

# Qumulo REST API Guide

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# Table of Contents

## auth

access-tokens.....	12
access-tokens/{id} .....	20
auth-ids/{id}/related-identities .....	30
clear-cache.....	32
identities/{id}/attributes .....	33
identity/expand.....	36
identity/find.....	49
kerberos-keytab .....	56
kerberos-settings .....	65
local-username/{username}/related-identities.....	67
posix-gids/{id}/related-identities.....	69
posix-uids/{id}/related-identities.....	71
privileges .....	73
roles.....	74
roles/{role_name}.....	89
roles/{role_name}/members .....	126
roles/{role_name}/members/{member_id} .....	133
sids/{id}/related-identities.....	137
user-defined-mappings .....	139

**ad**

cancel .....	142
dismiss-error .....	143
distinguished-names/{dn}/object .....	147
gids/{gid}/sids .....	149
join .....	150
leave .....	154
monitor .....	156
reconfigure .....	160
settings .....	162
sids/{sid}/expanded-groups .....	168
sids/{sid}/gid .....	169
sids/{sid}/object .....	170
sids/{sid}/uid .....	172
sids/{sid}/username .....	173
status .....	174
uids/{uid}/sids .....	179
usernames/{username}/objects .....	180
usernames/{username}/sids .....	184

**analytics**

activity/current .....	185
capacity-history .....	187
capacity-history/{timestamp} .....	189
time-series .....	191

**audit**

cloudwatch/config .....	193
cloudwatch/status .....	198
syslog/config .....	199
syslog/status .....	205

## cluster

calculate-node-add-capacity.....	207
calculate-supported-protection-info.....	210
create.....	212
node-replacement-plan.....	216
nodes.....	219
nodes.....	222
nodes/chassis.....	226
nodes/dry-run.....	230
nodes/uid-lights.....	234
nodes/{id}.....	235
nodes/{id}/chassis.....	237
nodes/{id}/identify.....	241
nodes/{id}/uid-light.....	242
protection/restriper/status.....	244
protection/status.....	248
restriper/status.....	252
settings.....	256
settings/ssl.....	258
settings/ssl/ca-certificate.....	259
settings/ssl/certificate.....	262
slots.....	263
slots/{id}.....	268

## node

state.....	278
------------	-----

## dns

clear-dns-cache.....	280
lookup-override-config.....	281
resolve.....	285
resolve-ips-to-names.....	287
resolve-names-to-ips.....	289

## files

locks/nfs4/byte-range .....	291
locks/nlm/byte-range .....	295
locks/nlm/byte-range/waiters .....	300
locks/smb/byte-range .....	304
locks/smb/share-mode .....	308
quotas .....	312
quotas/status .....	315
quotas/status/{id} .....	317
quotas/{id} .....	319
resolve .....	322
{ref} .....	324
{ref}/aggregates .....	325
{ref}/copy-chunk .....	330
{ref}/data .....	337
{ref}/entries .....	352
{ref}/info/acl .....	369
{ref}/info/acl .....	385
{ref}/info/acl/explain-posix-mode .....	401
{ref}/info/acl/explain-rights .....	420
{ref}/info/acl/explain-set-mode .....	446
{ref}/info/attributes .....	472
{ref}/locks/nfs4/byte-range .....	492
{ref}/locks/nlm/byte-range .....	496
{ref}/locks/nlm/byte-range/waiters .....	501
{ref}/locks/smb/byte-range .....	505
{ref}/locks/smb/share-mode .....	509
{ref}/notify .....	513
{ref}/punch-hole .....	515
{ref}/recursive-aggregates .....	523
{ref}/sample .....	528
{ref}/streams .....	532
{ref}/streams/{stream_id} .....	536
{ref}/streams/{stream_id}/attributes .....	537
{ref}/streams/{stream_id}/copy-chunk .....	546
{ref}/streams/{stream_id}/data .....	553
{ref}/streams/{stream_id}/punch-hole .....	558

{ref}/streams/{stream_id}/rename .....	560
{ref}/user-metadata.....	562
{ref}/user-metadata/{type} .....	564
{ref}/user-metadata/{type}/{key}.....	566

## encryption

external-kms/keys/create.....	571
key-store .....	575
key-store/status .....	582
rotate-keys .....	586
rotate-keys .....	587
status .....	588

## ftp

v0/settings.....	589
v0/status .....	605

## file-system

file-system .....	609
security/keys .....	610
security/keys/{key_ref}.....	614
security/keys/{key_ref}/key-replacement-challenge .....	620
security/keys/{key_ref}/replace .....	621
security/keys/{key_ref}/usages.....	623
settings/atime .....	625
settings/notify.....	630
settings/permissions.....	633

## identity

expand.....	636
find .....	649

## ldap

login-name/{login_name}/gid-numbers.....	656
login-name/{login_name}/uid-numbers.....	658
settings.....	659
status .....	679
uid-number/{uid_number}/login-name .....	683

## groups

groups .....	684
{group_id}/members .....	688
{group_id}/members/{member_id} .....	692
{id} .....	693

## users

users .....	697
{id} .....	701
{id}/groups .....	706
{id}/setpassword .....	708

## metrics

endpoints/default/data .....	709
------------------------------	-----

## support

settings .....	710
status .....	720
vpn-keys .....	724
vpn/key/certificate-signing-request .....	729
vpn/key/generate .....	730

## nfs

exports .....	731
exports .....	745
exports/{export_id} .....	759
exports/{ref} .....	784
settings .....	809

## multitenancy

nfs/global-settings .....	815
nfs/settings .....	821
nfs/settings/{id} .....	822
smb/global-settings .....	828
smb/settings .....	844
smb/settings/{id} .....	845
tenants .....	861
tenants/{tenant_id} .....	871

## network

connections.....	887
floating-ip-allocation .....	889
interfaces.....	890
interfaces/{id}/status.....	892
interfaces/{interface_id} .....	900
interfaces/{interface_id}/networks .....	907
interfaces/{interface_id}/networks/{network_id}.....	914
interfaces/{interface_id}/status/{node_id}.....	925
settings.....	933
static-ip-allocation.....	943
status .....	945
status/{id} .....	951



## replication

object-relationships.....	957
object-relationships/status.....	967
object-relationships/{id}.....	968
object-relationships/{id}/abort-replication.....	972
object-relationships/{id}/replicate.....	973
object-relationships/{id}/status.....	974
source-relationships.....	975
source-relationships/reverse-target-relationship.....	990
source-relationships/status.....	996
source-relationships/{id}.....	1007
source-relationships/{id}/abort-replication.....	1030
source-relationships/{id}/dismiss-error.....	1031
source-relationships/{id}/queued-snapshots.....	1032
source-relationships/{id}/replicate.....	1036
source-relationships/{id}/status.....	1037
source-relationships/{relationship_id}/queued-snapshots/{snapshot_id}.....	1048
target-relationships/status.....	1049
target-relationships/{id}/authorize.....	1057
target-relationships/{id}/delete.....	1065
target-relationships/{id}/dismiss-error.....	1066
target-relationships/{id}/lock.....	1067
target-relationships/{id}/make-writable.....	1069
target-relationships/{id}/reconnect.....	1077
target-relationships/{id}/status.....	1085

## s3

access-keys.....	1093
access-keys/{id}.....	1103
buckets.....	1104
buckets/{name}.....	1108
buckets/{name}/policy.....	1109
buckets/{name}/policy/explain-access.....	1111
buckets/{name}/uploads.....	1118
buckets/{name}/uploads/{id}.....	1123
settings.....	1124

## saml

settings.....	1128
---------------	------

## smb

files.....	1143
files/close.....	1148
sessions.....	1153
sessions/close.....	1158
settings.....	1163
shares.....	1179
shares.....	1188
shares.....	1208
shares/{id}.....	1228
shares/{ref}.....	1238
shares/{share_id}.....	1273

## session

change-password.....	1308
login.....	1309
retrieve-saml-login.....	1311
roles.....	1313
start-saml-login.....	1314
who-am-i.....	1315

## shutdown

halt.....	1324
reboot/pause.....	1325
reboot/resume.....	1326
reboot/start.....	1327
reboot/status.....	1328

## snapshots

calculate-used-capacity.....	1330
capacity-used-per-snapshot .....	1331
capacity-used-per-snapshot/{id} .....	1333
policies.....	1334
policies.....	1350
policies.....	1366
policies/status.....	1382
policies/status.....	1389
policies/status.....	1395
policies/status/{id}.....	1401
policies/status/{id}.....	1407
policies/status/{id}.....	1413
policies/{id}.....	1419
policies/{id}.....	1445
policies/{id}.....	1471
snapshots.....	1497
snapshots.....	1502
snapshots.....	1509
status .....	1514
status .....	1518
status .....	1522
status/{id} .....	1526
status/{id} .....	1530
total-used-capacity .....	1534
{id} .....	1535
{id} .....	1545
{id} .....	1560
{id}/lock.....	1570
{id}/unlock.....	1572
{id}/unlock-challenge.....	1573
{newer_id}/changes-since/{older_id}.....	1574
{newer_id}/changes-since/{older_id}/files/{ref}.....	1576

## time

settings.....	1578
status.....	1583
timezones.....	1585

## tree-delete

jobs.....	1586
jobs/{id}.....	1591

## unconfigured

nodes.....	1595
------------	------

## version

version.....	1599
--------------	------

## upgrade

blocked.....	1600
commit.....	1601
prepare.....	1602
status.....	1604
status.....	1608
verify-image.....	1612

## web-ui

settings.....	1614
---------------	------

# auth/access-tokens/

## Endpoint

`/v1/auth/access-tokens/`

## GET

List all access tokens for the cluster.

### Parameters

Name	Description	Required
<code>user</code>	Filters access tokens by user identity if specified.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_access_token_metadata_list_model",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "entries",
        "type": "object",
        "properties": {
          "id": {
            "description": "The access token's identifier for management APIs.",
            "type": "string"
          },
          "user": {
            "description": "The user that the access token was created for.",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",
                  "POSIX_USER",
                  "POSIX_GROUP",
                  "ACTIVE_DIRECTORY",
                  "API_INVALID_DOMAIN",
                  "API_RESERVED_DOMAIN",
                  "API_INTERNAL_DOMAIN",
                  "API_OPERATOR_DOMAIN",
                  "API_CREATOR_DOMAIN"
                ],
                "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
              },
              "auth_id": {
                "description": "auth_id",
                "type": "string"
              },
              "uid": {
                "description": "uid",

```

```

        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"creator": {
    "description": "The user that created the access token.",
    "type": "object",
    "properties": {
        "domain": {
            "type": "string",
            "enum": [
                "LOCAL",
                "API_NULL_DOMAIN",
                "WORLD",
                "POSIX_USER",
                "POSIX_GROUP",
                "ACTIVE_DIRECTORY",
                "API_INVALID_DOMAIN",
                "API_RESERVED_DOMAIN",
                "API_INTERNAL_DOMAIN",
                "API_OPERATOR_DOMAIN",
                "API_CREATOR_DOMAIN"
            ],
            "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
            "description": "auth_id",
            "type": "string"
        }
    }
},

```



```
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "creation_time": {
    "description": "The time that the access token was created.",
    "type": "string"
  },
  "expiration_time": {
    "description": "The time after which the access token is expired.",
    "type": "string"
  },
  "enabled": {
    "description": "This access token can be used to authenticate.",
    "type": "boolean"
  }
}
}
```

## POST

Create an access token for the specified user.

### Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_create_access_token_request",
  "type": "object",
  "properties": {
    "user": {
      "description": "User to create an access token for.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```

    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "expiration_time": {
    "description": "The time after which the access token is expired.",
    "type": "string"
  }
}

```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```

{
  "description": "api_access_token",
  "type": "object",
  "properties": {
    "id": {
      "description": "The access token's identifier for management APIs.",
      "type": "string"
    },
    "bearer_token": {
      "description": "The bearer token for authenticating over REST. Can be used in qq, REST bindings, or an HTTP Authorization header.",
      "type": "string"
    }
  }
}

```

# auth/access-tokens/{id}

## Endpoint

`/v1/auth/access-tokens/{id}`

## GET

Get metadata about the specified access token.

### Parameters

Name	Description	Required
<code>id</code>	Access Token ID	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_access_token_metadata",
  "type": "object",
  "properties": {
    "id": {
      "description": "The access token's identifier for management APIs.",
      "type": "string"
    },
    "user": {
      "description": "The user that the access token was created for.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        }
      }
    }
  }
}

```

```

    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "creator": {
    "description": "The user that created the access token.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {
        "description": "gid",

```



```

    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
},
"creation_time": {
  "description": "The time that the access token was created.",
  "type": "string"
},
"expiration_time": {
  "description": "The time after which the access token is expired.",
  "type": "string"
},
"enabled": {
  "description": "This access token can be used to authenticate.",
  "type": "boolean"
}
}
}

```

## DELETE

Delete the specified access token.

### Parameters

Name	Description	Required
<code>id</code>	Access Token ID	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## PATCH

Modify metadata for the specified access token.

## Parameters

Name	Description	Required
id	Access Token ID	Yes

## Request

### Schema

```
{
  "description": "api_access_token_modify_metadata_patch",
  "type": "object",
  "properties": {
    "expiration_time": {
      "description": "The time after which the access token is expired.",
      "type": "string"
    },
    "enabled": {
      "description": "This access token can be used to authenticate.",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_access_token_metadata",
  "type": "object",
  "properties": {
    "id": {
      "description": "The access token's identifier for management APIs.",
      "type": "string"
    },
    "user": {
      "description": "The user that the access token was created for.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        }
      }
    }
  }
}

```

```

    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "creator": {
    "description": "The user that created the access token.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {
        "description": "gid",

```

```
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
},
"creation_time": {
  "description": "The time that the access token was created.",
  "type": "string"
},
"expiration_time": {
  "description": "The time after which the access token is expired.",
  "type": "string"
},
"enabled": {
  "description": "This access token can be used to authenticate.",
  "type": "boolean"
}
}
```

# auth/auth-ids/{id}/related-identities/

## Endpoint

`/v1/auth/auth-ids/{id}/related-identities/`

## GET

Given an auth\_id of any kind, return all related identities (equivalents in other domains, and containing groups). This API is deprecated in favor of `/v1/identity/expand`

## Parameters

Name	Description	Required
<code>id</code>	The auth_id to expand to all its related identities.	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_identity_v1",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
      },
      "id_value": {
        "description": "id_value",
        "type": "string"
      }
    }
  }
}
```



# auth/clear-cache

## Endpoint

`/v1/auth/clear-cache`

## POST

Clear all cached authentication information.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

# auth/identities/{id}/attributes

## Endpoint

`/v1/auth/identities/{id}/attributes`

## GET

Get the identity attributes for an identity.

### Parameters

Name	Description	Required
<code>id</code>	URI parameter id	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "identity_attributes",
  "type": "object",
  "properties": {
    "home_directory": {
      "description": "home_directory",
      "type": "string"
    }
  }
}
```

## PUT

Set the identity attributes for an identity.

### Parameters

Name	Description	Required
<code>id</code>	URI parameter id	Yes

## Request

### Schema

```
{
  "description": "identity_attributes",
  "type": "object",
  "properties": {
    "home_directory": {
      "description": "home_directory",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "identity_attributes",
  "type": "object",
  "properties": {
    "home_directory": {
      "description": "home_directory",
      "type": "string"
    }
  }
}
```

## DELETE

Delete the identity attributes for an identity.

### Parameters

Name	Description	Required
<code>id</code>	URI parameter id	Yes

## Response

### Codes

Code	Description
200	Return value on success

# auth/identity/expand

## Endpoint

`/v1/auth/identity/expand`

## POST

Find all equivalents and the group membership of the given identity. This API is deprecated in favor of `/v1/identity/expand`

## Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_id_to_expand",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identity to expand.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```

    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "equivalent_ids": {
    "type": "array",
    "items": {
      "description": "Additional identities that should be considered equivalent,
and also expanded.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n *
`API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNA
L_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP
I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DO
MAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        }
      }
    }
  }
}

```



```

    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
},
"group_ids": {
  "type": "array",
  "items": {
    "description": "Additional groups that the id should be considered a member
of, and also expanded.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n *
`API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNA
L_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP
I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DO
MAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {

```

```
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_expanded_id",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identity that was expanded.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```

    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "type": {
    "type": "string",
    "enum": [
      "UNKNOWN",
      "USER",
      "GROUP"
    ],
    "description": "Whether the expanded identity is a user, group, or indeterminate.:\\n * `GROUP` - RESOLVED_ID_IS_GROUP,\\n * `UNKNOWN` - RESOLVED_ID_IS_UNKNOWN,\\n * `USER` - RESOLVED_ID_IS_USER"
  },
  "smb_id": {
    "description": "The equivalent identity that would be shown to SMB clients.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\\n * `LOCAL` - LOCAL,\\n * `POSIX_GROUP` - POSIX_GROUP,\\n * `POSIX_USER` - POSIX_USER,\\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      }
    }
  }
}

```

```

    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
},
"nfs_id": {
  "description": "The equivalent identity that would be shown to NFS clients.",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {

```

```

    "description": "auth_id",
    "type": "string"
  },
  "uid": {
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"equivalent_ids": {
  "type": "array",
  "items": {
    "description": "Identities that are the same as the expanded ID, and which have the same rights.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ]
      },
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP

```

```

I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DO
MAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
  },
  "auth_id": {
    "description": "auth_id",
    "type": "string"
  },
  "uid": {
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"group_ids": {
  "type": "array",
  "items": {
    "description": "Groups that the expanded ID is a member of.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",

```



```
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n *
`API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNA
L_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP
I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DO
MAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
}
```

# auth/identity/find

## Endpoint

`/v1/auth/identity/find`

## POST

Search for identity and expand all fields. This API is deprecated in favor of `/v1/identity/find`

## Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_identity",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
}

```

```
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_identity",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
}

```

```
}  
}
```



# auth/kerberos-keytab

## Endpoint

`/v1/auth/kerberos-keytab`

## GET

Get the entries from the current keytab configuration

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "kerberos_keytab",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "entries",
        "type": "object",
        "properties": {
          "principal": {
            "description": "principal",
            "type": "string"
          },
          "version": {
            "description": "version",
            "type": "number"
          }
        }
      },
      "enctype": {
        "type": "string",
        "enum": [
          "KERBEROS_ENCRYPTION_TYPE_NULL",
          "KERBEROS_ENCRYPTION_TYPE_DES_CBC_CRC",
          "KERBEROS_ENCRYPTION_TYPE_DES_CBC_MD4",
          "KERBEROS_ENCRYPTION_TYPE_DES_CBC_MD5",
          "KERBEROS_ENCRYPTION_TYPE_DES3_CBC_MD5",
          "KERBEROS_ENCRYPTION_TYPE_OLD_DES3_CBC_SHA1",
          "KERBEROS_ENCRYPTION_TYPE_SIGN_DSA_GENERATE",
          "KERBEROS_ENCRYPTION_TYPE_ENCRYPT_RSA_PRIV",
          "KERBEROS_ENCRYPTION_TYPE_ENCRYPT_RSA_PUB",
          "KERBEROS_ENCRYPTION_TYPE_DES3_CBC_SHA1",
          "KERBEROS_ENCRYPTION_TYPE_AES128_CTS_HMAC_SHA1_96",
          "KERBEROS_ENCRYPTION_TYPE_AES256_CTS_HMAC_SHA1_96",
          "KERBEROS_ENCRYPTION_TYPE_AES128_CTS_HMAC_SHA256_128",
          "KERBEROS_ENCRYPTION_TYPE_AES256_CTS_HMAC_SHA384_192",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_MD5",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_MD5_56",
          "KERBEROS_ENCRYPTION_TYPE_ENCTYPE_PK_CROSS",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_MD4",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_OLD",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_OLD_EXP",
          "KERBEROS_ENCRYPTION_TYPE_DES_CBC_NONE",
          "KERBEROS_ENCRYPTION_TYPE_DES3_CBC_NONE",
          "KERBEROS_ENCRYPTION_TYPE_DES_CFB64_NONE",
          "KERBEROS_ENCRYPTION_TYPE_DES_PCBC_NONE",
          "KERBEROS_ENCRYPTION_TYPE_DIGEST_MD5_NONE",

```



## PUT

Set the Kerberos keytab from a generated keytab file. This API also accepts a kerberos keytab in the JSON form returned by the corresponding GET request.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

### Request

#### Schema

```
{  
  "type": "object"  
}
```

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "kerberos_keytab",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "entries",
        "type": "object",
        "properties": {
          "principal": {
            "description": "principal",
            "type": "string"
          },
          "version": {
            "description": "version",
            "type": "number"
          }
        }
      },
      "enctype": {
        "type": "string",
        "enum": [
          "KERBEROS_ENCRYPTION_TYPE_NULL",
          "KERBEROS_ENCRYPTION_TYPE_DES_CBC_CRC",
          "KERBEROS_ENCRYPTION_TYPE_DES_CBC_MD4",
          "KERBEROS_ENCRYPTION_TYPE_DES_CBC_MD5",
          "KERBEROS_ENCRYPTION_TYPE_DES3_CBC_MD5",
          "KERBEROS_ENCRYPTION_TYPE_OLD_DES3_CBC_SHA1",
          "KERBEROS_ENCRYPTION_TYPE_SIGN_DSA_GENERATE",
          "KERBEROS_ENCRYPTION_TYPE_ENCRYPT_RSA_PRIV",
          "KERBEROS_ENCRYPTION_TYPE_ENCRYPT_RSA_PUB",
          "KERBEROS_ENCRYPTION_TYPE_DES3_CBC_SHA1",
          "KERBEROS_ENCRYPTION_TYPE_AES128_CTS_HMAC_SHA1_96",
          "KERBEROS_ENCRYPTION_TYPE_AES256_CTS_HMAC_SHA1_96",
          "KERBEROS_ENCRYPTION_TYPE_AES128_CTS_HMAC_SHA256_128",
          "KERBEROS_ENCRYPTION_TYPE_AES256_CTS_HMAC_SHA384_192",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_MD5",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_MD5_56",
          "KERBEROS_ENCRYPTION_TYPE_ENCTYPE_PK_CROSS",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_MD4",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_OLD",
          "KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_OLD_EXP",
          "KERBEROS_ENCRYPTION_TYPE_DES_CBC_NONE",
          "KERBEROS_ENCRYPTION_TYPE_DES3_CBC_NONE",
          "KERBEROS_ENCRYPTION_TYPE_DES_CFB64_NONE",
          "KERBEROS_ENCRYPTION_TYPE_DES_PCBC_NONE",
          "KERBEROS_ENCRYPTION_TYPE_DIGEST_MD5_NONE",

```

```

    "KERBEROS_ENCRYPTION_TYPE_CRAM_MD5_NONE"
  ],
  "description": "enctype:\n * `KERBEROS_ENCRYPTION_TYPE_AES128_CTS_HMAC_S
HA1_96` - KERBEROS_ENCRYPTION_TYPE_AES128_CTS_HMAC_SHA1_96,\n * `KERBEROS_ENCRYPTIO
N_TYPE_AES128_CTS_HMAC_SHA256_128` - KERBEROS_ENCRYPTION_TYPE_AES128_CTS_HMAC_SHA25
6_128,\n * `KERBEROS_ENCRYPTION_TYPE_AES256_CTS_HMAC_SHA1_96` - KERBEROS_ENCRYPTIO
N_TYPE_AES256_CTS_HMAC_SHA1_96,\n * `KERBEROS_ENCRYPTION_TYPE_AES256_CTS_HMAC_SHA38
4_192` - KERBEROS_ENCRYPTION_TYPE_AES256_CTS_HMAC_SHA384_192,\n * `KERBEROS_ENCRYPTI
ON_TYPE_ARCFOUR_HMAC_MD5` - KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_MD5,\n * `KERBERO
S_ENCRYPTION_TYPE_ARCFOUR_HMAC_MD5_56` - KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_MD5_5
6,\n * `KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_OLD` - KERBEROS_ENCRYPTION_TYPE_ARCFOU
R_HMAC_OLD,\n * `KERBEROS_ENCRYPTION_TYPE_ARCFOUR_HMAC_OLD_EXP` - KERBEROS_ENCRYPTIO
N_TYPE_ARCFOUR_HMAC_OLD_EXP,\n * `KERBEROS_ENCRYPTION_TYPE_ARCFOUR_MD4` - KERBEROS_E
NCRYPTION_TYPE_ARCFOUR_MD4,\n * `KERBEROS_ENCRYPTION_TYPE_CRAM_MD5_NONE` - KERBERO
S_ENCRYPTION_TYPE_CRAM_MD5_NONE,\n * `KERBEROS_ENCRYPTION_TYPE_DES3_CBC_MD5` - KERBE
ROS_ENCRYPTION_TYPE_DES3_CBC_MD5,\n * `KERBEROS_ENCRYPTION_TYPE_DES3_CBC_NONE` - KER
BEROS_ENCRYPTION_TYPE_DES3_CBC_NONE,\n * `KERBEROS_ENCRYPTION_TYPE_DES3_CBC_SHA1` -
KERBEROS_ENCRYPTION_TYPE_DES3_CBC_SHA1,\n * `KERBEROS_ENCRYPTION_TYPE_DES_CBC_CRC`
- KERBEROS_ENCRYPTION_TYPE_DES_CBC_CRC,\n * `KERBEROS_ENCRYPTION_TYPE_DES_CBC_MD4`
- KERBEROS_ENCRYPTION_TYPE_DES_CBC_MD4,\n * `KERBEROS_ENCRYPTION_TYPE_DES_CBC_MD5`
- KERBEROS_ENCRYPTION_TYPE_DES_CBC_MD5,\n * `KERBEROS_ENCRYPTION_TYPE_DES_CBC_NONE`
- KERBEROS_ENCRYPTION_TYPE_DES_CBC_NONE,\n * `KERBEROS_ENCRYPTION_TYPE_DES_CFB64_NON
E` - KERBEROS_ENCRYPTION_TYPE_DES_CFB64_NONE,\n * `KERBEROS_ENCRYPTION_TYPE_DES_PCB
C_NONE` - KERBEROS_ENCRYPTION_TYPE_DES_PCBC_NONE,\n * `KERBEROS_ENCRYPTION_TYPE_DIGE
ST_MD5_NONE` - KERBEROS_ENCRYPTION_TYPE_DIGEST_MD5_NONE,\n * `KERBEROS_ENCRYPTION_TY
PE_ENCRYPT_RSA_PRIV` - KERBEROS_ENCRYPTION_TYPE_ENCRYPT_RSA_PRIV,\n * `KERBEROS_ENCR
YPTION_TYPE_ENCRYPT_RSA_PUB` - KERBEROS_ENCRYPTION_TYPE_ENCRYPT_RSA_PUB,\n * `KERBER
OS_ENCRYPTION_TYPE_ENCTYPE_PK_CROSS` - KERBEROS_ENCRYPTION_TYPE_ENCTYPE_PK_CROSS,\n
* `KERBEROS_ENCRYPTION_TYPE_NULL` - KERBEROS_ENCRYPTION_TYPE_NULL,\n * `KERBEROS_ENC
RYPTION_TYPE_OLD_DES3_CBC_SHA1` - KERBEROS_ENCRYPTION_TYPE_OLD_DES3_CBC_SHA1,\n * `K
ERBEROS_ENCRYPTION_TYPE_SIGN_DSA_GENERATE` - KERBEROS_ENCRYPTION_TYPE_SIGN_DSA_GENER
ATE"
  },
  "key": {
    "type": "array",
    "items": {
      "description": "key",
      "type": "number"
    }
  }
}
}
}
}
}
}

```



## DELETE

Delete the current Kerberos keytab configuration

### Parameters

Name	Description	Required
<b>If-Match</b>	ETag for expected version	No

### Response

#### Codes

Code	Description
200	Return value on success

# auth/kerberos-settings

## Endpoint

`/v1/auth/kerberos-settings`

## GET

Get the Kerberos settings

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "kerberos_config",
  "type": "object",
  "properties": {
    "use_alt_security_identities_mapping": {
      "description": "use_alt_security_identities_mapping",
      "type": "boolean"
    }
  }
}
```

## PUT

Set the Kerberos settings

### Parameters

Name	Description	Required
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "kerberos_config",
  "type": "object",
  "properties": {
    "use_alt_security_identities_mapping": {
      "description": "use_alt_security_identities_mapping",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "kerberos_config",
  "type": "object",
  "properties": {
    "use_alt_security_identities_mapping": {
      "description": "use_alt_security_identities_mapping",
      "type": "boolean"
    }
  }
}
```

# auth/local-username/{username}/related-identities/

## Endpoint

`/v1/auth/local-username/{username}/related-identities/`

## GET

Given a local username, return all related identities (equivalents in other domains, and containing groups). This API is deprecated in favor of `/v1/identity/expand`

## Parameters

Name	Description	Required
<code>username</code>	The local username to expand.	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_identity_v1",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
      },
      "id_value": {
        "description": "id_value",
        "type": "string"
      }
    }
  }
}
```

# auth/posix-gids/{id}/related-identities/

## Endpoint

`/v1/auth/posix-gids/{id}/related-identities/`

## GET

Given a POSIX GID, return all related identities (equivalents in other domains, and containing groups). This API is deprecated in favor of `/v1/identity/expand`

## Parameters

Name	Description	Required
<code>id</code>	The POSIX GID to expand.	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_identity_v1",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
      },
      "id_value": {
        "description": "id_value",
        "type": "string"
      }
    }
  }
}
```

# auth/posix-uids/{id}/related-identities/

## Endpoint

`/v1/auth/posix-uids/{id}/related-identities/`

## GET

Given a POSIX UID, return all related identities (equivalents in other domains, and containing groups). This API is deprecated in favor of `/v1/identity/expand`

## Parameters

Name	Description	Required
<code>id</code>	The POSIX UID to expand.	Yes

## Response

### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_identity_v1",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
      },
      "id_value": {
        "description": "id_value",
        "type": "string"
      }
    }
  }
}
```

# auth/privileges/

## Endpoint

`/v1/auth/privileges/`

## GET

Get information about all privileges.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

# auth/roles/

## Endpoint

`/v1/auth/roles/`

## GET

List all roles.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

## POST

Create a new role.

### Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "named_role_model",
  "type": "object",
  "properties": {
    "name": {
      "description": "Name of the role. Role names are case-insensitive and may not
contain whitespace.",
      "type": "string"
    },
    "description": {
      "description": "Description of the role",
      "type": "string"
    },
    "privileges": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "PRIVILEGE_AD_READ",
          "PRIVILEGE_AD_USE",
          "PRIVILEGE_AD_WRITE",
          "PRIVILEGE_ANALYTICS_READ",
          "PRIVILEGE_AUDIT_READ",
          "PRIVILEGE_AUDIT_WRITE",
          "PRIVILEGE_AUTH_CACHE_READ",
          "PRIVILEGE_AUTH_CACHE_WRITE",
          "PRIVILEGE_CLUSTER_READ",
          "PRIVILEGE_CLUSTER_WRITE",
          "PRIVILEGE_DEBUG",
          "PRIVILEGE_DNS_READ",
          "PRIVILEGE_DNS_USE",
          "PRIVILEGE_DNS_WRITE",
          "PRIVILEGE_FILE_FULL_ACCESS",
          "PRIVILEGE_FS_ATTRIBUTES_READ",
          "PRIVILEGE_FS_DELETE_TREE_READ",
          "PRIVILEGE_FS_DELETE_TREE_WRITE",
          "PRIVILEGE_FS_LOCK_READ",
          "PRIVILEGE_FS_LOCK_WRITE",
          "PRIVILEGE_FS_SETTINGS_READ",
          "PRIVILEGE_FS_SETTINGS_WRITE",
          "PRIVILEGE_FTP_READ",
          "PRIVILEGE_FTP_WRITE",
          "PRIVILEGE_IDENTITY_MAPPING_READ",
          "PRIVILEGE_IDENTITY_MAPPING_WRITE",
          "PRIVILEGE_IDENTITY_READ",
          "PRIVILEGE_IDENTITY_WRITE",
        ]
      }
    }
  }
}

```

"PRIVILEGE\_KERBEROS\_KEYTAB\_READ",  
"PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE",  
"PRIVILEGE\_KERBEROS\_SETTINGS\_READ",  
"PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE",  
"PRIVILEGE\_KV\_READ",  
"PRIVILEGE\_LDAP\_READ",  
"PRIVILEGE\_LDAP\_USE",  
"PRIVILEGE\_LDAP\_WRITE",  
"PRIVILEGE\_LOCAL\_GROUP\_READ",  
"PRIVILEGE\_LOCAL\_GROUP\_WRITE",  
"PRIVILEGE\_LOCAL\_USER\_READ",  
"PRIVILEGE\_LOCAL\_USER\_WRITE",  
"PRIVILEGE\_METRICS\_READ",  
"PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ",  
"PRIVILEGE\_NETWORK\_READ",  
"PRIVILEGE\_NETWORK\_WRITE",  
"PRIVILEGE\_NFS\_EXPORT\_READ",  
"PRIVILEGE\_NFS\_EXPORT\_WRITE",  
"PRIVILEGE\_POWER\_CYCLE",  
"PRIVILEGE\_QUOTA\_READ",  
"PRIVILEGE\_QUOTA\_WRITE",  
"PRIVILEGE\_RECONCILER\_READ",  
"PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP",  
"PRIVILEGE\_REPLICATION\_SOURCE\_READ",  
"PRIVILEGE\_REPLICATION\_SOURCE\_WRITE",  
"PRIVILEGE\_REPLICATION\_TARGET\_READ",  
"PRIVILEGE\_REPLICATION\_TARGET\_WRITE",  
"PRIVILEGE\_ROLE\_READ",  
"PRIVILEGE\_ROLE\_WRITE",  
"PRIVILEGE\_SMB\_SHARE\_READ",  
"PRIVILEGE\_SMB\_SHARE\_WRITE",  
"PRIVILEGE\_SNAPSHOT\_CALCULATE\_USED\_CAPACITY\_READ",  
"PRIVILEGE\_SNAPSHOT\_DIFFERENCE\_READ",  
"PRIVILEGE\_SNAPSHOT\_POLICY\_READ",  
"PRIVILEGE\_SNAPSHOT\_POLICY\_WRITE",  
"PRIVILEGE\_SNAPSHOT\_READ",  
"PRIVILEGE\_SNAPSHOT\_WRITE",  
"PRIVILEGE\_SUPPORT\_READ",  
"PRIVILEGE\_SUPPORT\_WRITE",  
"PRIVILEGE\_TEST\_ONLY",  
"PRIVILEGE\_TIME\_READ",  
"PRIVILEGE\_TIME\_WRITE",  
"PRIVILEGE\_UNCONFIGURED\_NODE\_READ",  
"PRIVILEGE\_UPGRADE\_READ",  
"PRIVILEGE\_UPGRADE\_WRITE",  
"PRIVILEGE\_SMB\_FILE\_HANDLE\_READ",

```

"PRIVILEGE_SMB_FILE_HANDLE_WRITE",
"PRIVILEGE_SMB_SESSION_READ",
"PRIVILEGE_SMB_SESSION_WRITE",
"PRIVILEGE_REPLICATION_OBJECT_READ",
"PRIVILEGE_REPLICATION_OBJECT_WRITE",
"PRIVILEGE_ENCRYPTION_WRITE",
"PRIVILEGE_ENCRYPTION_READ",
"PRIVILEGE_NFS_SETTINGS_READ",
"PRIVILEGE_NFS_SETTINGS_WRITE",
"PRIVILEGE_SERVICE_PUBLIC_KEYS_WRITE",
"PRIVILEGE_SERVICE_PUBLIC_KEYS_READ",
"PRIVILEGE_METRICS_CONFIG_READ",
"PRIVILEGE_METRICS_CONFIG_WRITE",
"PRIVILEGE_REBOOT_USE",
"PRIVILEGE_REBOOT_READ",
"PRIVILEGE_CHECKSUMMING_READ",
"PRIVILEGE_S3_SETTINGS_READ",
"PRIVILEGE_S3_SETTINGS_WRITE",
"PRIVILEGE_WEB_UI_SETTINGS_WRITE",
"PRIVILEGE_S3_CREDENTIALS_READ",
"PRIVILEGE_S3_CREDENTIALS_WRITE",
"PRIVILEGE_TENANT_READ",
"PRIVILEGE_TENANT_WRITE",
"PRIVILEGE_SAML_SETTINGS_READ",
"PRIVILEGE_SAML_SETTINGS_WRITE",
"PRIVILEGE_S3_BUCKETS_READ",
"PRIVILEGE_S3_BUCKETS_WRITE",
"PRIVILEGE_ACCESS_TOKENS_READ",
"PRIVILEGE_ACCESS_TOKENS_WRITE",
"PRIVILEGE_S3_UPLOADS_READ",
"PRIVILEGE_S3_UPLOADS_WRITE",
"PRIVILEGE_SNAPSHOT_LOCK",
"PRIVILEGE_FS_KEY_MANAGEMENT_WRITE",
"PRIVILEGE_FS_KEY_MANAGEMENT_READ",
"PRIVILEGE_IDENTITY_CONFIG_WRITE",
"PRIVILEGE_IDENTITY_CONFIG_READ",
"PRIVILEGE_FILE_READ_ACCESS",
"PRIVILEGE_PORTAL_SPOKE_READ",
"PRIVILEGE_PORTAL_SPOKE_WRITE",
"PRIVILEGE_PORTAL_SPOKE_EVICT",
"PRIVILEGE_PORTAL_HUB_READ",
"PRIVILEGE_PORTAL_HUB_WRITE",
"PRIVILEGE_PORTAL_GLOBAL_READ"
],
"description": "Privileges the role has been granted:\n * `PRIVILEGE_ACCES
S_TOKENS_READ` - View any access tokens present in the system,\n * `PRIVILEGE_ACCES

```

S\_TOKENS\_WRITE` - Create or delete access tokens for any user in the system,\n \* `PRIVILEGE\_AD\_READ` - Read Qumulo Active Directory settings,\n \* `PRIVILEGE\_AD\_USE` - Use Qumulo's APIs for performing queries against Active Directory,\n \* `PRIVILEGE\_AD\_WRITE` - Modify Qumulo Active Directory settings,\n \* `PRIVILEGE\_ANALYTICS\_READ` - Read cluster analytics,\n \* `PRIVILEGE\_AUDIT\_READ` - Read audit settings,\n \* `PRIVILEGE\_AUDIT\_WRITE` - Modify audit settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_READ` - Internal-Only: Read authentication cache settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_WRITE` - Internal-Only: Modify authentication cache settings,\n \* `PRIVILEGE\_CHECKSUMMING\_READ` - View the status of checksumming,\n \* `PRIVILEGE\_CLUSTER\_READ` - View nodes, disks, protection status, and SSL certificate,\n \* `PRIVILEGE\_CLUSTER\_WRITE` - Modify cluster settings and disk/identify LEDs,\n \* `PRIVILEGE\_DEBUG` - Internal-Only: Perform debug operations on the cluster,\n \* `PRIVILEGE\_DNS\_READ` - Read DNS settings,\n \* `PRIVILEGE\_DNS\_USE` - Perform DNS lookups,\n \* `PRIVILEGE\_DNS\_WRITE` - Modify DNS settings,\n \* `PRIVILEGE\_ENCRYPTION\_READ` - View the status of at-rest-encryption,\n \* `PRIVILEGE\_ENCRYPTION\_WRITE` - Rotate encryption keys for clusters with at-rest-encryption,\n \* `PRIVILEGE\_FILE\_FULL\_ACCESS` - Provides full access to all files regardless of permissions,\n \* `PRIVILEGE\_FILE\_READ\_ACCESS` - Provides read access to all files regardless of permissions,\n \* `PRIVILEGE\_FS\_ATTRIBUTES\_READ` - Read file system statistics,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_READ` - View the status of directory tree delete operations,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_WRITE` - Use directory tree delete API. Granting this privilege allows the deletion of any file or directory on the cluster. File and directory permissions are not taken into account. Not required for `rm -r`.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_READ` - Read and list public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_WRITE` - Create and manage public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_LOCK\_READ` - View NLM and SMB locks and waiters,\n \* `PRIVILEGE\_FS\_LOCK\_WRITE` - Release NLM and SMB locks,\n \* `PRIVILEGE\_FS\_SETTINGS\_READ` - View file system permissions settings,\n \* `PRIVILEGE\_FS\_SETTINGS\_WRITE` - Modify file system permissions mode,\n \* `PRIVILEGE\_FTP\_READ` - View FTP status and settings,\n \* `PRIVILEGE\_FTP\_WRITE` - Modify FTP status and settings,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_READ` - Read and list identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_WRITE` - Modify identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_READ` - Get AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_WRITE` - Set AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_READ` - Use Qumulo's identity lookup and translation APIs,\n \* `PRIVILEGE\_IDENTITY\_WRITE` - Modify identity attributes and clear authentication cache,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_READ` - View Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE` - Modify Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_READ` - Read Kerberos settings,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE` - Modify Kerberos settings,\n \* `PRIVILEGE\_KV\_READ` - DEPRECATED: Read and delete KV store entries for all users,\n \* `PRIVILEGE\_LDAP\_READ` - View LDAP settings,\n \* `PRIVILEGE\_LDAP\_USE` - Use Qumulo's APIs for performing LDAP queries,\n \* `PRIVILEGE\_LDAP\_WRITE` - Modify LDAP settings,\n \* `PRIVILEGE\_LOCAL\_GROUP\_READ` - View local groups and members,\n \* `PRIVILEGE\_LOCAL\_GROUP\_WRITE` - Modify local groups and membership,\n \* `PRIVILEGE\_LOCAL\_USER\_READ` - Get information about local users,\n \* `PRIVILEGE\_LOCAL\_USER\_WRITE` - Create and modify all local users,\n \* `PRIVILEGE\_METRICS\_CONFIG\_READ` - View metrics configuration,\n \* `PRIVILEGE\_METRICS\_CONFIG\_WRITE` - Modify metrics co



nfiguration,\n \* `PRIVILEGE\_METRICS\_READ` - Get all metrics,\n \* `PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ` - View network IP address allocations,\n \* `PRIVILEGE\_NETWORK\_READ` - Read network status and settings,\n \* `PRIVILEGE\_NETWORK\_WRITE` - Modify network configuration,\n \* `PRIVILEGE\_NFS\_EXPORT\_READ` - View configuration of NFS exports,\n \* `PRIVILEGE\_NFS\_EXPORT\_WRITE` - Create, modify, and delete NFS exports,\n \* `PRIVILEGE\_NFS\_SETTINGS\_READ` - Internal-Only: View NFS server settings,\n \* `PRIVILEGE\_NFS\_SETTINGS\_WRITE` - Internal-Only: Modify NFS server settings,\n \* `PRIVILEGE\_PORTAL\_GLOBAL\_READ` - View global portal settings and status,\n \* `PRIVILEGE\_PORTAL\_HUB\_READ` - View hub portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_HUB\_WRITE` - Authorize, modify, and delete hub portal relationships. Granting this privilege allows authorizing proposed relationships. Depending on existing file and directory permissions, this privilege can allow remote access to local data under the hub root directory.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_EVICT` - Remove cached files and directories from a spoke portal. Qumulo Core recaches the removed files or directories upon access.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_READ` - View spoke portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_WRITE` - Create, modify, and delete spoke portal relationships. Granting this privilege allows creating spoke portal root directories. Depending on existing file permissions, this privilege can allow local access to remote files and directories.,\n \* `PRIVILEGE\_POWER\_CYCLE` - Shutdown and reboot nodes,\n \* `PRIVILEGE\_QUOTA\_READ` - View all file system quotas,\n \* `PRIVILEGE\_QUOTA\_WRITE` - Create, modify, and delete file system quotas,\n \* `PRIVILEGE\_REBOOT\_READ` - View Reboot Status,\n \* `PRIVILEGE\_REBOOT\_USE` - Perform Reboots,\n \* `PRIVILEGE\_RECONCILER\_READ` - View reconciler status and metrics,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_READ` - View object store relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_WRITE` - Create, modify, and delete object store relationships. Granting this privilege allows overwriting existing data, replicating, and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP` - Reverse a source and target relationship,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_READ` - View source relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_WRITE` - Create, modify, and delete source relationships. Granting this privilege allows replicating and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_READ` - View target relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_WRITE` - Create, modify, and delete target relationships. Granting this privilege allows overwriting any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_ROLE\_READ` - View roles and assignments,\n \* `PRIVILEGE\_ROLE\_WRITE` - Create and modify roles and assignments,\n \* `PRIVILEGE\_S3\_BUCKETS\_READ` - View all S3 buckets and bucket policies present in the system,\n \* `PRIVILEGE\_S3\_BUCKETS\_WRITE` - Create or delete any S3 bucket in the system, and create, delete, or modify policies for any S3 bucket in the system. Subject to having sufficient FS permissions.,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_READ` - View any S3 access key present in the system,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_WRITE` - Create or delete S3 access keys for any user in the system,\n \* `PRIVILEGE\_S3\_SETTINGS\_READ` - View S3 server settings,\n \* `PRIVILEGE\_S3\_SETTINGS\_WRITE` - Modify S3 server settings,\n \* `PRIVILEGE\_S3\_UPLOADS\_READ` - View all S3 uploads present in the system. This will override a bucket policy that denies t

```

he user this permission.,\n * `PRIVILEGE_S3_UPLOADS_WRITE` - Abort S3 uploads in th
e system. This will override a bucket policy that denies the user this permissio
n.,\n * `PRIVILEGE_SAML_SETTINGS_READ` - View SAML integration settings,\n * `PRIVIL
EGE_SAML_SETTINGS_WRITE` - Modify SAML integration settings,\n * `PRIVILEGE_SERVIC
E_PUBLIC_KEYS_READ` - Internal-Only: Read public keys,\n * `PRIVILEGE_SERVICE_PUBLI
C_KEYS_WRITE` - Internal-Only: Write public keys,\n * `PRIVILEGE_SMB_FILE_HANDLE_REA
D` - List open SMB file handles,\n * `PRIVILEGE_SMB_FILE_HANDLE_WRITE` - Force clos
e an open SMB file handle,\n * `PRIVILEGE_SMB_SESSION_READ` - List logged on SMB ses
sions,\n * `PRIVILEGE_SMB_SESSION_WRITE` - Force close a logged on SMB session,\n *
`PRIVILEGE_SMB_SHARE_READ` - View configuration of SMB shares and SMB server setting
s,\n * `PRIVILEGE_SMB_SHARE_WRITE` - Create, modify, and delete SMB shares and SMB s
erver settings,\n * `PRIVILEGE_SNAPSHOT_CALCULATE_USED_CAPACITY_READ` - Recalculate
capacity usage of snapshots,\n * `PRIVILEGE_SNAPSHOT_DIFFERENCE_READ` - View the cha
nges between snapshots,\n * `PRIVILEGE_SNAPSHOT_LOCK` - Lock or unlock snapshots. Co
nfigure snapshot policies to lock or unlock snapshots.,\n * `PRIVILEGE_SNAPSHOT_POLI
CY_READ` - View snapshot policies and status,\n * `PRIVILEGE_SNAPSHOT_POLICY_WRITE`
- Create, modify, and delete snapshot policies,\n * `PRIVILEGE_SNAPSHOT_READ` - Lis
t snapshots and view their status and cached capacity. Does not affect the visibilit
y of the virtual `.snapshot` directories,\n * `PRIVILEGE_SNAPSHOT_WRITE` - Create, m
odify, and delete snapshots,\n * `PRIVILEGE_SUPPORT_READ` - View support configurati
on and status,\n * `PRIVILEGE_SUPPORT_WRITE` - Modify cloud-based monitoring and rem
ote management,\n * `PRIVILEGE_TENANT_READ` - View any tenant information,\n * `PRIV
ILEGE_TENANT_WRITE` - Create, edit or delete tenants,\n * `PRIVILEGE_TEST_ONLY` - Te
st only actions,\n * `PRIVILEGE_TIME_READ` - View time and time settings,\n * `PRIVI
LEGE_TIME_WRITE` - Modify time settings,\n * `PRIVILEGE_UNCONFIGURED_NODE_READ` - Li
st unconfigured Qumulo nodes,\n * `PRIVILEGE_UPGRADE_READ` - View upgrade configurat
ion and status,\n * `PRIVILEGE_UPGRADE_WRITE` - Perform upgrades,\n * `PRIVILEGE_WE
B_UI_SETTINGS_WRITE` - Modify web UI settings"
    }
  }
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "named_role_model",
  "type": "object",
  "properties": {
    "name": {
      "description": "Name of the role. Role names are case-insensitive and may not
contain whitespace.",
      "type": "string"
    },
    "description": {
      "description": "Description of the role",
      "type": "string"
    },
    "privileges": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "PRIVILEGE_AD_READ",
          "PRIVILEGE_AD_USE",
          "PRIVILEGE_AD_WRITE",
          "PRIVILEGE_ANALYTICS_READ",
          "PRIVILEGE_AUDIT_READ",
          "PRIVILEGE_AUDIT_WRITE",
          "PRIVILEGE_AUTH_CACHE_READ",
          "PRIVILEGE_AUTH_CACHE_WRITE",
          "PRIVILEGE_CLUSTER_READ",
          "PRIVILEGE_CLUSTER_WRITE",
          "PRIVILEGE_DEBUG",
          "PRIVILEGE_DNS_READ",
          "PRIVILEGE_DNS_USE",
          "PRIVILEGE_DNS_WRITE",
          "PRIVILEGE_FILE_FULL_ACCESS",
          "PRIVILEGE_FS_ATTRIBUTES_READ",
          "PRIVILEGE_FS_DELETE_TREE_READ",
          "PRIVILEGE_FS_DELETE_TREE_WRITE",
          "PRIVILEGE_FS_LOCK_READ",
          "PRIVILEGE_FS_LOCK_WRITE",
          "PRIVILEGE_FS_SETTINGS_READ",
          "PRIVILEGE_FS_SETTINGS_WRITE",
          "PRIVILEGE_FTP_READ",
          "PRIVILEGE_FTP_WRITE",
          "PRIVILEGE_IDENTITY_MAPPING_READ",
          "PRIVILEGE_IDENTITY_MAPPING_WRITE",
          "PRIVILEGE_IDENTITY_READ",
          "PRIVILEGE_IDENTITY_WRITE",

```

"PRIVILEGE\_KERBEROS\_KEYTAB\_READ",  
"PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE",  
"PRIVILEGE\_KERBEROS\_SETTINGS\_READ",  
"PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE",  
"PRIVILEGE\_KV\_READ",  
"PRIVILEGE\_LDAP\_READ",  
"PRIVILEGE\_LDAP\_USE",  
"PRIVILEGE\_LDAP\_WRITE",  
"PRIVILEGE\_LOCAL\_GROUP\_READ",  
"PRIVILEGE\_LOCAL\_GROUP\_WRITE",  
"PRIVILEGE\_LOCAL\_USER\_READ",  
"PRIVILEGE\_LOCAL\_USER\_WRITE",  
"PRIVILEGE\_METRICS\_READ",  
"PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ",  
"PRIVILEGE\_NETWORK\_READ",  
"PRIVILEGE\_NETWORK\_WRITE",  
"PRIVILEGE\_NFS\_EXPORT\_READ",  
"PRIVILEGE\_NFS\_EXPORT\_WRITE",  
"PRIVILEGE\_POWER\_CYCLE",  
"PRIVILEGE\_QUOTA\_READ",  
"PRIVILEGE\_QUOTA\_WRITE",  
"PRIVILEGE\_RECONCILER\_READ",  
"PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP",  
"PRIVILEGE\_REPLICATION\_SOURCE\_READ",  
"PRIVILEGE\_REPLICATION\_SOURCE\_WRITE",  
"PRIVILEGE\_REPLICATION\_TARGET\_READ",  
"PRIVILEGE\_REPLICATION\_TARGET\_WRITE",  
"PRIVILEGE\_ROLE\_READ",  
"PRIVILEGE\_ROLE\_WRITE",  
"PRIVILEGE\_SMB\_SHARE\_READ",  
"PRIVILEGE\_SMB\_SHARE\_WRITE",  
"PRIVILEGE\_SNAPSHOT\_CALCULATE\_USED\_CAPACITY\_READ",  
"PRIVILEGE\_SNAPSHOT\_DIFFERENCE\_READ",  
"PRIVILEGE\_SNAPSHOT\_POLICY\_READ",  
"PRIVILEGE\_SNAPSHOT\_POLICY\_WRITE",  
"PRIVILEGE\_SNAPSHOT\_READ",  
"PRIVILEGE\_SNAPSHOT\_WRITE",  
"PRIVILEGE\_SUPPORT\_READ",  
"PRIVILEGE\_SUPPORT\_WRITE",  
"PRIVILEGE\_TEST\_ONLY",  
"PRIVILEGE\_TIME\_READ",  
"PRIVILEGE\_TIME\_WRITE",  
"PRIVILEGE\_UNCONFIGURED\_NODE\_READ",  
"PRIVILEGE\_UPGRADE\_READ",  
"PRIVILEGE\_UPGRADE\_WRITE",  
"PRIVILEGE\_SMB\_FILE\_HANDLE\_READ",

```

"PRIVILEGE_SMB_FILE_HANDLE_WRITE",
"PRIVILEGE_SMB_SESSION_READ",
"PRIVILEGE_SMB_SESSION_WRITE",
"PRIVILEGE_REPLICATION_OBJECT_READ",
"PRIVILEGE_REPLICATION_OBJECT_WRITE",
"PRIVILEGE_ENCRYPTION_WRITE",
"PRIVILEGE_ENCRYPTION_READ",
"PRIVILEGE_NFS_SETTINGS_READ",
"PRIVILEGE_NFS_SETTINGS_WRITE",
"PRIVILEGE_SERVICE_PUBLIC_KEYS_WRITE",
"PRIVILEGE_SERVICE_PUBLIC_KEYS_READ",
"PRIVILEGE_METRICS_CONFIG_READ",
"PRIVILEGE_METRICS_CONFIG_WRITE",
"PRIVILEGE_REBOOT_USE",
"PRIVILEGE_REBOOT_READ",
"PRIVILEGE_CHECKSUMMING_READ",
"PRIVILEGE_S3_SETTINGS_READ",
"PRIVILEGE_S3_SETTINGS_WRITE",
"PRIVILEGE_WEB_UI_SETTINGS_WRITE",
"PRIVILEGE_S3_CREDENTIALS_READ",
"PRIVILEGE_S3_CREDENTIALS_WRITE",
"PRIVILEGE_TENANT_READ",
"PRIVILEGE_TENANT_WRITE",
"PRIVILEGE_SAML_SETTINGS_READ",
"PRIVILEGE_SAML_SETTINGS_WRITE",
"PRIVILEGE_S3_BUCKETS_READ",
"PRIVILEGE_S3_BUCKETS_WRITE",
"PRIVILEGE_ACCESS_TOKENS_READ",
"PRIVILEGE_ACCESS_TOKENS_WRITE",
"PRIVILEGE_S3_UPLOADS_READ",
"PRIVILEGE_S3_UPLOADS_WRITE",
"PRIVILEGE_SNAPSHOT_LOCK",
"PRIVILEGE_FS_KEY_MANAGEMENT_WRITE",
"PRIVILEGE_FS_KEY_MANAGEMENT_READ",
"PRIVILEGE_IDENTITY_CONFIG_WRITE",
"PRIVILEGE_IDENTITY_CONFIG_READ",
"PRIVILEGE_FILE_READ_ACCESS",
"PRIVILEGE_PORTAL_SPOKE_READ",
"PRIVILEGE_PORTAL_SPOKE_WRITE",
"PRIVILEGE_PORTAL_SPOKE_EVICT",
"PRIVILEGE_PORTAL_HUB_READ",
"PRIVILEGE_PORTAL_HUB_WRITE",
"PRIVILEGE_PORTAL_GLOBAL_READ"
],
"description": "Privileges the role has been granted:\n * `PRIVILEGE_ACCES
S_TOKENS_READ` - View any access tokens present in the system,\n * `PRIVILEGE_ACCES

```

S\_TOKENS\_WRITE` - Create or delete access tokens for any user in the system,\n \* `PRIVILEGE\_AD\_READ` - Read Qumulo Active Directory settings,\n \* `PRIVILEGE\_AD\_USE` - Use Qumulo's APIs for performing queries against Active Directory,\n \* `PRIVILEGE\_AD\_WRITE` - Modify Qumulo Active Directory settings,\n \* `PRIVILEGE\_ANALYTICS\_READ` - Read cluster analytics,\n \* `PRIVILEGE\_AUDIT\_READ` - Read audit settings,\n \* `PRIVILEGE\_AUDIT\_WRITE` - Modify audit settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_READ` - Internal-Only: Read authentication cache settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_WRITE` - Internal-Only: Modify authentication cache settings,\n \* `PRIVILEGE\_CHECKSUMMING\_READ` - View the status of checksumming,\n \* `PRIVILEGE\_CLUSTER\_READ` - View nodes, disks, protection status, and SSL certificate,\n \* `PRIVILEGE\_CLUSTER\_WRITE` - Modify cluster settings and disk/identify LEDs,\n \* `PRIVILEGE\_DEBUG` - Internal-Only: Perform debug operations on the cluster,\n \* `PRIVILEGE\_DNS\_READ` - Read DNS settings,\n \* `PRIVILEGE\_DNS\_USE` - Perform DNS lookups,\n \* `PRIVILEGE\_DNS\_WRITE` - Modify DNS settings,\n \* `PRIVILEGE\_ENCRYPTION\_READ` - View the status of at-rest-encryption,\n \* `PRIVILEGE\_ENCRYPTION\_WRITE` - Rotate encryption keys for clusters with at-rest-encryption,\n \* `PRIVILEGE\_FILE\_FULL\_ACCESS` - Provides full access to all files regardless of permissions,\n \* `PRIVILEGE\_FILE\_READ\_ACCESS` - Provides read access to all files regardless of permissions,\n \* `PRIVILEGE\_FS\_ATTRIBUTES\_READ` - Read file system statistics,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_READ` - View the status of directory tree delete operations,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_WRITE` - Use directory tree delete API. Granting this privilege allows the deletion of any file or directory on the cluster. File and directory permissions are not taken into account. Not required for `rm -r`.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_READ` - Read and list public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_WRITE` - Create and manage public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_LOCK\_READ` - View NLM and SMB locks and waiters,\n \* `PRIVILEGE\_FS\_LOCK\_WRITE` - Release NLM and SMB locks,\n \* `PRIVILEGE\_FS\_SETTINGS\_READ` - View file system permissions settings,\n \* `PRIVILEGE\_FS\_SETTINGS\_WRITE` - Modify file system permissions mode,\n \* `PRIVILEGE\_FTP\_READ` - View FTP status and settings,\n \* `PRIVILEGE\_FTP\_WRITE` - Modify FTP status and settings,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_READ` - Read and list identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_WRITE` - Modify identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_READ` - Get AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_WRITE` - Set AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_READ` - Use Qumulo's identity lookup and translation APIs,\n \* `PRIVILEGE\_IDENTITY\_WRITE` - Modify identity attributes and clear authentication cache,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_READ` - View Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE` - Modify Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_READ` - Read Kerberos settings,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE` - Modify Kerberos settings,\n \* `PRIVILEGE\_KV\_READ` - DEPRECATED: Read and delete KV store entries for all users,\n \* `PRIVILEGE\_LDAP\_READ` - View LDAP settings,\n \* `PRIVILEGE\_LDAP\_USE` - Use Qumulo's APIs for performing LDAP queries,\n \* `PRIVILEGE\_LDAP\_WRITE` - Modify LDAP settings,\n \* `PRIVILEGE\_LOCAL\_GROUP\_READ` - View local groups and members,\n \* `PRIVILEGE\_LOCAL\_GROUP\_WRITE` - Modify local groups and membership,\n \* `PRIVILEGE\_LOCAL\_USER\_READ` - Get information about local users,\n \* `PRIVILEGE\_LOCAL\_USER\_WRITE` - Create and modify all local users,\n \* `PRIVILEGE\_METRICS\_CONFIG\_READ` - View metrics configuration,\n \* `PRIVILEGE\_METRICS\_CONFIG\_WRITE` - Modify metrics co

nfiguration,\n \* `PRIVILEGE\_METRICS\_READ` - Get all metrics,\n \* `PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ` - View network IP address allocations,\n \* `PRIVILEGE\_NETWORK\_READ` - Read network status and settings,\n \* `PRIVILEGE\_NETWORK\_WRITE` - Modify network configuration,\n \* `PRIVILEGE\_NFS\_EXPORT\_READ` - View configuration of NFS exports,\n \* `PRIVILEGE\_NFS\_EXPORT\_WRITE` - Create, modify, and delete NFS exports,\n \* `PRIVILEGE\_NFS\_SETTINGS\_READ` - Internal-Only: View NFS server settings,\n \* `PRIVILEGE\_NFS\_SETTINGS\_WRITE` - Internal-Only: Modify NFS server settings,\n \* `PRIVILEGE\_PORTAL\_GLOBAL\_READ` - View global portal settings and status,\n \* `PRIVILEGE\_PORTAL\_HUB\_READ` - View hub portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_HUB\_WRITE` - Authorize, modify, and delete hub portal relationships. Granting this privilege allows authorizing proposed relationships. Depending on existing file and directory permissions, this privilege can allow remote access to local data under the hub root directory.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_EVICT` - Remove cached files and directories from a spoke portal. Qumulo Core recaches the removed files or directories upon access.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_READ` - View spoke portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_WRITE` - Create, modify, and delete spoke portal relationships. Granting this privilege allows creating spoke portal root directories. Depending on existing file permissions, this privilege can allow local access to remote files and directories.,\n \* `PRIVILEGE\_POWER\_CYCLE` - Shutdown and reboot nodes,\n \* `PRIVILEGE\_QUOTA\_READ` - View all file system quotas,\n \* `PRIVILEGE\_QUOTA\_WRITE` - Create, modify, and delete file system quotas,\n \* `PRIVILEGE\_REBOOT\_READ` - View Reboot Status,\n \* `PRIVILEGE\_REBOOT\_USE` - Perform Reboots,\n \* `PRIVILEGE\_RECONCILER\_READ` - View reconciler status and metrics,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_READ` - View object store relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_WRITE` - Create, modify, and delete object store relationships. Granting this privilege allows overwriting existing data, replicating, and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP` - Reverse a source and target relationship,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_READ` - View source relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_WRITE` - Create, modify, and delete source relationships. Granting this privilege allows replicating and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_READ` - View target relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_WRITE` - Create, modify, and delete target relationships. Granting this privilege allows overwriting any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_ROLE\_READ` - View roles and assignments,\n \* `PRIVILEGE\_ROLE\_WRITE` - Create and modify roles and assignments,\n \* `PRIVILEGE\_S3\_BUCKETS\_READ` - View all S3 buckets and bucket policies present in the system,\n \* `PRIVILEGE\_S3\_BUCKETS\_WRITE` - Create or delete any S3 bucket in the system, and create, delete, or modify policies for any S3 bucket in the system. Subject to having sufficient FS permissions.,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_READ` - View any S3 access key present in the system,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_WRITE` - Create or delete S3 access keys for any user in the system,\n \* `PRIVILEGE\_S3\_SETTINGS\_READ` - View S3 server settings,\n \* `PRIVILEGE\_S3\_SETTINGS\_WRITE` - Modify S3 server settings,\n \* `PRIVILEGE\_S3\_UPLOADS\_READ` - View all S3 uploads present in the system. This will override a bucket policy that denies t



he user this permission.,\n \* `PRIVILEGE\_S3\_UPLOADS\_WRITE` - Abort S3 uploads in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_SAML\_SETTINGS\_READ` - View SAML integration settings,\n \* `PRIVILEGE\_SAML\_SETTINGS\_WRITE` - Modify SAML integration settings,\n \* `PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_READ` - Internal-Only: Read public keys,\n \* `PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_WRITE` - Internal-Only: Write public keys,\n \* `PRIVILEGE\_SMB\_FILE\_HANDLE\_READ` - List open SMB file handles,\n \* `PRIVILEGE\_SMB\_FILE\_HANDLE\_WRITE` - Force close an open SMB file handle,\n \* `PRIVILEGE\_SMB\_SESSION\_READ` - List logged on SMB sessions,\n \* `PRIVILEGE\_SMB\_SESSION\_WRITE` - Force close a logged on SMB session,\n \* `PRIVILEGE\_SMB\_SHARE\_READ` - View configuration of SMB shares and SMB server settings,\n \* `PRIVILEGE\_SMB\_SHARE\_WRITE` - Create, modify, and delete SMB shares and SMB server settings,\n \* `PRIVILEGE\_SNAPSHOT\_CALCULATE\_USED\_CAPACITY\_READ` - Recalculate capacity usage of snapshots,\n \* `PRIVILEGE\_SNAPSHOT\_DIFFERENCE\_READ` - View the changes between snapshots,\n \* `PRIVILEGE\_SNAPSHOT\_LOCK` - Lock or unlock snapshots. Configure snapshot policies to lock or unlock snapshots.,\n \* `PRIVILEGE\_SNAPSHOT\_POLICY\_READ` - View snapshot policies and status,\n \* `PRIVILEGE\_SNAPSHOT\_POLICY\_WRITE` - Create, modify, and delete snapshot policies,\n \* `PRIVILEGE\_SNAPSHOT\_READ` - List snapshots and view their status and cached capacity. Does not affect the visibility of the virtual `.snapshot` directories,\n \* `PRIVILEGE\_SNAPSHOT\_WRITE` - Create, modify, and delete snapshots,\n \* `PRIVILEGE\_SUPPORT\_READ` - View support configuration and status,\n \* `PRIVILEGE\_SUPPORT\_WRITE` - Modify cloud-based monitoring and remote management,\n \* `PRIVILEGE\_TENANT\_READ` - View any tenant information,\n \* `PRIVILEGE\_TENANT\_WRITE` - Create, edit or delete tenants,\n \* `PRIVILEGE\_TEST\_ONLY` - Test only actions,\n \* `PRIVILEGE\_TIME\_READ` - View time and time settings,\n \* `PRIVILEGE\_TIME\_WRITE` - Modify time settings,\n \* `PRIVILEGE\_UNCONFIGURED\_NODE\_READ` - List unconfigured Qumulo nodes,\n \* `PRIVILEGE\_UPGRADE\_READ` - View upgrade configuration and status,\n \* `PRIVILEGE\_UPGRADE\_WRITE` - Perform upgrades,\n \* `PRIVILEGE\_WEB\_UI\_SETTINGS\_WRITE` - Modify web UI settings"

```
    }  
  }  
}
```

# auth/roles/{role\_name}

## Endpoint

`/v1/auth/roles/{role_name}`

## GET

Retrieve information about the role.

### Parameters

Name	Description	Required
<code>role_name</code>	The name of the role (This page URL-encodes the name for you)	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
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"PRIVILEGE_METRICS_CONFIG_READ",
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"PRIVILEGE_REBOOT_USE",
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"PRIVILEGE_SAML_SETTINGS_WRITE",
"PRIVILEGE_S3_BUCKETS_READ",
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"PRIVILEGE_ACCESS_TOKENS_WRITE",
"PRIVILEGE_S3_UPLOADS_READ",
"PRIVILEGE_S3_UPLOADS_WRITE",
"PRIVILEGE_SNAPSHOT_LOCK",
"PRIVILEGE_FS_KEY_MANAGEMENT_WRITE",
"PRIVILEGE_FS_KEY_MANAGEMENT_READ",
"PRIVILEGE_IDENTITY_CONFIG_WRITE",
"PRIVILEGE_IDENTITY_CONFIG_READ",
"PRIVILEGE_FILE_READ_ACCESS",
"PRIVILEGE_PORTAL_SPOKE_READ",
"PRIVILEGE_PORTAL_SPOKE_WRITE",
"PRIVILEGE_PORTAL_SPOKE_EVICT",
"PRIVILEGE_PORTAL_HUB_READ",
"PRIVILEGE_PORTAL_HUB_WRITE",
"PRIVILEGE_PORTAL_GLOBAL_READ"
```

```
],
```

```
"description": "Privileges the role has been granted:\n * `PRIVILEGE_ACCESS_TOKENS_READ` - View any access tokens present in the system,\n * `PRIVILEGE_ACCESS_TOKENS_WRITE` - Create or delete access tokens for any user in the system,\n * `PRIVILEGE_AD_READ` - Read Qumulo Active Directory settings,\n * `PRIVILEGE_AD_USE` - Use Qumulo's APIs for performing queries against Active Directory,\n * `PRIVILEGE_AD_WRITE` - Modify Qumulo Active Directory settings,\n * `PRIVILEGE_ANALYTICS_READ` - Read cluster analytics,\n * `PRIVILEGE_AUDIT_READ` - Read audit settings,\n * `PRI
```

VILEGE\_AUDIT\_WRITE` - Modify audit settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_READ` - Internal-Only: Read authentication cache settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_WRITE` - Internal-Only: Modify authentication cache settings,\n \* `PRIVILEGE\_CHECKSUMMING\_READ` - View the status of checksumming,\n \* `PRIVILEGE\_CLUSTER\_READ` - View nodes, disks, protection status, and SSL certificate,\n \* `PRIVILEGE\_CLUSTER\_WRITE` - Modify cluster settings and disk/identify LEDs,\n \* `PRIVILEGE\_DEBUG` - Internal-Only: Perform debug operations on the cluster,\n \* `PRIVILEGE\_DNS\_READ` - Read DNS settings,\n \* `PRIVILEGE\_DNS\_USE` - Perform DNS lookups,\n \* `PRIVILEGE\_DNS\_WRITE` - Modify DNS settings,\n \* `PRIVILEGE\_ENCRYPTION\_READ` - View the status of at-rest-encryption,\n \* `PRIVILEGE\_ENCRYPTION\_WRITE` - Rotate encryption keys for clusters with at-rest-encryption,\n \* `PRIVILEGE\_FILE\_FULL\_ACCESS` - Provides full access to all files regardless of permissions,\n \* `PRIVILEGE\_FILE\_READ\_ACCESS` - Provides read access to all files regardless of permissions,\n \* `PRIVILEGE\_FS\_ATTRIBUTES\_READ` - Read file system statistics,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_READ` - View the status of directory tree delete operations,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_WRITE` - Use directory tree delete API. Granting this privilege allows the deletion of any file or directory on the cluster. File and directory permissions are not taken into account. Not required for `rm -r`.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_READ` - Read and list public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_WRITE` - Create and manage public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_LOCK\_READ` - View NLM and SMB locks and waiters,\n \* `PRIVILEGE\_FS\_LOCK\_WRITE` - Release NLM and SMB locks,\n \* `PRIVILEGE\_FS\_SETTINGS\_READ` - View file system permissions settings,\n \* `PRIVILEGE\_FS\_SETTINGS\_WRITE` - Modify file system permissions mode,\n \* `PRIVILEGE\_FTP\_READ` - View FTP status and settings,\n \* `PRIVILEGE\_FTP\_WRITE` - Modify FTP status and settings,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_READ` - Read and list identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_WRITE` - Modify identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_READ` - Get AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_WRITE` - Set AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_READ` - Use Qumulo's identity lookup and translation APIs,\n \* `PRIVILEGE\_IDENTITY\_WRITE` - Modify identity attributes and clear authentication cache,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_READ` - View Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE` - Modify Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_READ` - Read Kerberos settings,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE` - Modify Kerberos settings,\n \* `PRIVILEGE\_KV\_READ` - DEPRECATED: Read and delete KV store entries for all users,\n \* `PRIVILEGE\_LDAP\_READ` - View LDAP settings,\n \* `PRIVILEGE\_LDAP\_USE` - Use Qumulo's APIs for performing LDAP queries,\n \* `PRIVILEGE\_LDAP\_WRITE` - Modify LDAP settings,\n \* `PRIVILEGE\_LOCAL\_GROUP\_READ` - View local groups and members,\n \* `PRIVILEGE\_LOCAL\_GROUP\_WRITE` - Modify local groups and membership,\n \* `PRIVILEGE\_LOCAL\_USER\_READ` - Get information about local users,\n \* `PRIVILEGE\_LOCAL\_USER\_WRITE` - Create and modify all local users,\n \* `PRIVILEGE\_METRICS\_CONFIG\_READ` - View metrics configuration,\n \* `PRIVILEGE\_METRICS\_CONFIG\_WRITE` - Modify metrics configuration,\n \* `PRIVILEGE\_METRICS\_READ` - Get all metrics,\n \* `PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ` - View network IP address allocations,\n \* `PRIVILEGE\_NETWORK\_IP\_READ` - Read network status and settings,\n \* `PRIVILEGE\_NETWORK\_WRITE` - Modify network configuration,\n \* `PRIVILEGE\_NFS\_EXPORT\_READ` - View configuration of NFS exports,\n \* `PRIVILEGE\_NFS\_EXPORT\_WRITE` - Create, modify, and delete NFS exports,\n

\* `PRIVILEGE\_NFS\_SETTINGS\_READ` - Internal-Only: View NFS server settings,\n \* `PRIVILEGE\_NFS\_SETTINGS\_WRITE` - Internal-Only: Modify NFS server settings,\n \* `PRIVILEGE\_PORTAL\_GLOBAL\_READ` - View global portal settings and status,\n \* `PRIVILEGE\_PORTAL\_HUB\_READ` - View hub portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_HUB\_WRITE` - Authorize, modify, and delete hub portal relationships. Granting this privilege allows authorizing proposed relationships. Depending on existing file and directory permissions, this privilege can allow remote access to local data under the hub root directory.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_EVICT` - Remove cached files and directories from a spoke portal. Qumulo Core recaches the removed files or directories upon access.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_READ` - View spoke portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_WRITE` - Create, modify, and delete spoke portal relationships. Granting this privilege allows creating spoke portal root directories. Depending on existing file permissions, this privilege can allow local access to remote files and directories.,\n \* `PRIVILEGE\_POWER\_CYCLE` - Shutdown and reboot nodes,\n \* `PRIVILEGE\_QUOTA\_READ` - View all file system quotas,\n \* `PRIVILEGE\_QUOTA\_WRITE` - Create, modify, and delete file system quotas,\n \* `PRIVILEGE\_REBOOT\_READ` - View Reboot Status,\n \* `PRIVILEGE\_REBOOT\_USE` - Perform Reboots,\n \* `PRIVILEGE\_RECONCILER\_READ` - View reconciler status and metrics,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_READ` - View object store relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_WRITE` - Create, modify, and delete object store relationships. Granting this privilege allows overwriting existing data, replicating, and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP` - Reverse a source and target relationship,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_READ` - View source relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_WRITE` - Create, modify, and delete source relationships. Granting this privilege allows replicating and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_READ` - View target relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_WRITE` - Create, modify, and delete target relationships. Granting this privilege allows overwriting any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_ROLE\_READ` - View roles and assignments,\n \* `PRIVILEGE\_ROLE\_WRITE` - Create and modify roles and assignments,\n \* `PRIVILEGE\_S3\_BUCKETS\_READ` - View all S3 buckets and bucket policies present in the system,\n \* `PRIVILEGE\_S3\_BUCKETS\_WRITE` - Create or delete any S3 bucket in the system, and create, delete, or modify policies for any S3 bucket in the system. Subject to having sufficient FS permissions.,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_READ` - View any S3 access key present in the system,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_WRITE` - Create or delete S3 access keys for any user in the system,\n \* `PRIVILEGE\_S3\_SETTINGS\_READ` - View S3 server settings,\n \* `PRIVILEGE\_S3\_SETTINGS\_WRITE` - Modify S3 server settings,\n \* `PRIVILEGE\_S3\_UPLOADS\_READ` - View all S3 uploads present in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_S3\_UPLOADS\_WRITE` - Abort S3 uploads in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_SAML\_SETTINGS\_READ` - View SAML integration settings,\n \* `PRIVILEGE\_SAML\_SETTINGS\_WRITE` - Modify SAML integration settings,\n \* `PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_READ` - Internal-Only: Read public keys,\n \* `PRIVILEGE\_SERVICE\_PUBLI



```

C_KEYS_WRITE` - Internal-Only: Write public keys,\n * `PRIVILEGE_SMB_FILE_HANDLE_READ` - List open SMB file handles,\n * `PRIVILEGE_SMB_FILE_HANDLE_WRITE` - Force close an open SMB file handle,\n * `PRIVILEGE_SMB_SESSION_READ` - List logged on SMB sessions,\n * `PRIVILEGE_SMB_SESSION_WRITE` - Force close a logged on SMB session,\n * `PRIVILEGE_SMB_SHARE_READ` - View configuration of SMB shares and SMB server settings,\n * `PRIVILEGE_SMB_SHARE_WRITE` - Create, modify, and delete SMB shares and SMB server settings,\n * `PRIVILEGE_SNAPSHOT_CALCULATE_USED_CAPACITY_READ` - Recalculate capacity usage of snapshots,\n * `PRIVILEGE_SNAPSHOT_DIFFERENCE_READ` - View the changes between snapshots,\n * `PRIVILEGE_SNAPSHOT_LOCK` - Lock or unlock snapshots. Configure snapshot policies to lock or unlock snapshots.,\n * `PRIVILEGE_SNAPSHOT_POLICY_READ` - View snapshot policies and status,\n * `PRIVILEGE_SNAPSHOT_POLICY_WRITE` - Create, modify, and delete snapshot policies,\n * `PRIVILEGE_SNAPSHOT_READ` - List snapshots and view their status and cached capacity. Does not affect the visibility of the virtual `.snapshot` directories,\n * `PRIVILEGE_SNAPSHOT_WRITE` - Create, modify, and delete snapshots,\n * `PRIVILEGE_SUPPORT_READ` - View support configuration and status,\n * `PRIVILEGE_SUPPORT_WRITE` - Modify cloud-based monitoring and remote management,\n * `PRIVILEGE_TENANT_READ` - View any tenant information,\n * `PRIVILEGE_TENANT_WRITE` - Create, edit or delete tenants,\n * `PRIVILEGE_TEST_ONLY` - Test only actions,\n * `PRIVILEGE_TIME_READ` - View time and time settings,\n * `PRIVILEGE_TIME_WRITE` - Modify time settings,\n * `PRIVILEGE_UNCONFIGURED_NODE_READ` - List unconfigured Qumulo nodes,\n * `PRIVILEGE_UPGRADE_READ` - View upgrade configuration and status,\n * `PRIVILEGE_UPGRADE_WRITE` - Perform upgrades,\n * `PRIVILEGE_WEB_UI_SETTINGS_WRITE` - Modify web UI settings"
    }
  }
}
}

```

## PUT

Modify a role.

Parameters

Name	Description	Required
<code>role_name</code>	The name of the role (This page URL-encodes the name for you)	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
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          "PRIVILEGE_AD_WRITE",
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          "PRIVILEGE_AUDIT_READ",
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          "PRIVILEGE_DEBUG",
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          "PRIVILEGE_DNS_USE",
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          "PRIVILEGE_FS_ATTRIBUTES_READ",
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"PRIVILEGE_S3_CREDENTIALS_WRITE",
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"PRIVILEGE_S3_UPLOADS_WRITE",
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"PRIVILEGE_IDENTITY_CONFIG_WRITE",
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"PRIVILEGE_FILE_READ_ACCESS",
"PRIVILEGE_PORTAL_SPOKE_READ",
"PRIVILEGE_PORTAL_SPOKE_WRITE",
"PRIVILEGE_PORTAL_SPOKE_EVICT",
"PRIVILEGE_PORTAL_HUB_READ",
"PRIVILEGE_PORTAL_HUB_WRITE",
"PRIVILEGE_PORTAL_GLOBAL_READ"
```

```
],
```

```
"description": "Privileges the role has been granted:\n * `PRIVILEGE_ACCESS_TOKENS_READ` - View any access tokens present in the system,\n * `PRIVILEGE_ACCESS_TOKENS_WRITE` - Create or delete access tokens for any user in the system,\n * `PRIVILEGE_AD_READ` - Read Qumulo Active Directory settings,\n * `PRIVILEGE_AD_USE` - Use Qumulo's APIs for performing queries against Active Directory,\n * `PRIVILEGE_AD_WRITE` - Modify Qumulo Active Directory settings,\n * `PRIVILEGE_ANALYTICS_READ` - Read cluster analytics,\n * `PRIVILEGE_AUDIT_READ` - Read audit settings,\n * `PRI
```

VILEGE\_AUDIT\_WRITE` - Modify audit settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_READ` - Internal-Only: Read authentication cache settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_WRITE` - Internal-Only: Modify authentication cache settings,\n \* `PRIVILEGE\_CHECKSUMMING\_READ` - View the status of checksumming,\n \* `PRIVILEGE\_CLUSTER\_READ` - View nodes, disks, protection status, and SSL certificate,\n \* `PRIVILEGE\_CLUSTER\_WRITE` - Modify cluster settings and disk/identify LEDs,\n \* `PRIVILEGE\_DEBUG` - Internal-Only: Perform debug operations on the cluster,\n \* `PRIVILEGE\_DNS\_READ` - Read DNS settings,\n \* `PRIVILEGE\_DNS\_USE` - Perform DNS lookups,\n \* `PRIVILEGE\_DNS\_WRITE` - Modify DNS settings,\n \* `PRIVILEGE\_ENCRYPTION\_READ` - View the status of at-rest-encryption,\n \* `PRIVILEGE\_ENCRYPTION\_WRITE` - Rotate encryption keys for clusters with at-rest-encryption,\n \* `PRIVILEGE\_FILE\_FULL\_ACCESS` - Provides full access to all files regardless of permissions,\n \* `PRIVILEGE\_FILE\_READ\_ACCESS` - Provides read access to all files regardless of permissions,\n \* `PRIVILEGE\_FS\_ATTRIBUTES\_READ` - Read file system statistics,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_READ` - View the status of directory tree delete operations,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_WRITE` - Use directory tree delete API. Granting this privilege allows the deletion of any file or directory on the cluster. File and directory permissions are not taken into account. Not required for `rm -r`.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_READ` - Read and list public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_WRITE` - Create and manage public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_LOCK\_READ` - View NLM and SMB locks and waiters,\n \* `PRIVILEGE\_FS\_LOCK\_WRITE` - Release NLN and SMB locks,\n \* `PRIVILEGE\_FS\_SETTINGS\_READ` - View file system permissions settings,\n \* `PRIVILEGE\_FS\_SETTINGS\_WRITE` - Modify file system permissions mode,\n \* `PRIVILEGE\_FTP\_READ` - View FTP status and settings,\n \* `PRIVILEGE\_FTP\_WRITE` - Modify FTP status and settings,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_READ` - Read and list identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_WRITE` - Modify identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_READ` - Get AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_WRITE` - Set AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_READ` - Use Qumulo's identity lookup and translation APIs,\n \* `PRIVILEGE\_IDENTITY\_WRITE` - Modify identity attributes and clear authentication cache,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_READ` - View Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE` - Modify Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_READ` - Read Kerberos settings,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE` - Modify Kerberos settings,\n \* `PRIVILEGE\_KV\_READ` - DEPRECATED: Read and delete KV store entries for all users,\n \* `PRIVILEGE\_LDAP\_READ` - View LDAP settings,\n \* `PRIVILEGE\_LDAP\_USE` - Use Qumulo's APIs for performing LDAP queries,\n \* `PRIVILEGE\_LDAP\_WRITE` - Modify LDAP settings,\n \* `PRIVILEGE\_LOCAL\_GROUP\_READ` - View local groups and members,\n \* `PRIVILEGE\_LOCAL\_GROUP\_WRITE` - Modify local groups and membership,\n \* `PRIVILEGE\_LOCAL\_USER\_READ` - Get information about local users,\n \* `PRIVILEGE\_LOCAL\_USER\_WRITE` - Create and modify all local users,\n \* `PRIVILEGE\_METRICS\_CONFIG\_READ` - View metrics configuration,\n \* `PRIVILEGE\_METRICS\_CONFIG\_WRITE` - Modify metrics configuration,\n \* `PRIVILEGE\_METRICS\_READ` - Get all metrics,\n \* `PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ` - View network IP address allocations,\n \* `PRIVILEGE\_NETWORK\_IP\_READ` - Read network status and settings,\n \* `PRIVILEGE\_NETWORK\_WRITE` - Modify network configuration,\n \* `PRIVILEGE\_NFS\_EXPORT\_READ` - View configuration of NFS exports,\n \* `PRIVILEGE\_NFS\_EXPORT\_WRITE` - Create, modify, and delete NFS exports,\n

\* `PRIVILEGE\_NFS\_SETTINGS\_READ` - Internal-Only: View NFS server settings,\n \* `PRIVILEGE\_NFS\_SETTINGS\_WRITE` - Internal-Only: Modify NFS server settings,\n \* `PRIVILEGE\_PORTAL\_GLOBAL\_READ` - View global portal settings and status,\n \* `PRIVILEGE\_PORTAL\_HUB\_READ` - View hub portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_HUB\_WRITE` - Authorize, modify, and delete hub portal relationships. Granting this privilege allows authorizing proposed relationships. Depending on existing file and directory permissions, this privilege can allow remote access to local data under the hub root directory.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_EVICT` - Remove cached files and directories from a spoke portal. Qumulo Core recaches the removed files or directories upon access.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_READ` - View spoke portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_WRITE` - Create, modify, and delete spoke portal relationships. Granting this privilege allows creating spoke portal root directories. Depending on existing file permissions, this privilege can allow local access to remote files and directories.,\n \* `PRIVILEGE\_POWER\_CYCLE` - Shutdown and reboot nodes,\n \* `PRIVILEGE\_QUOTA\_READ` - View all file system quotas,\n \* `PRIVILEGE\_QUOTA\_WRITE` - Create, modify, and delete file system quotas,\n \* `PRIVILEGE\_REBOOT\_READ` - View Reboot Status,\n \* `PRIVILEGE\_REBOOT\_USE` - Perform Reboots,\n \* `PRIVILEGE\_RECONCILER\_READ` - View reconciler status and metrics,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_READ` - View object store relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_WRITE` - Create, modify, and delete object store relationships. Granting this privilege allows overwriting existing data, replicating, and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP` - Reverse a source and target relationship,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_READ` - View source relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_WRITE` - Create, modify, and delete source relationships. Granting this privilege allows replicating and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_READ` - View target relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_WRITE` - Create, modify, and delete target relationships. Granting this privilege allows overwriting any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_ROLE\_READ` - View roles and assignments,\n \* `PRIVILEGE\_ROLE\_WRITE` - Create and modify roles and assignments,\n \* `PRIVILEGE\_S3\_BUCKETS\_READ` - View all S3 buckets and bucket policies present in the system,\n \* `PRIVILEGE\_S3\_BUCKETS\_WRITE` - Create or delete any S3 bucket in the system, and create, delete, or modify policies for any S3 bucket in the system. Subject to having sufficient FS permissions.,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_READ` - View any S3 access key present in the system,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_WRITE` - Create or delete S3 access keys for any user in the system,\n \* `PRIVILEGE\_S3\_SETTINGS\_READ` - View S3 server settings,\n \* `PRIVILEGE\_S3\_SETTINGS\_WRITE` - Modify S3 server settings,\n \* `PRIVILEGE\_S3\_UPLOADS\_READ` - View all S3 uploads present in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_S3\_UPLOADS\_WRITE` - Abort S3 uploads in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_SAML\_SETTINGS\_READ` - View SAML integration settings,\n \* `PRIVILEGE\_SAML\_SETTINGS\_WRITE` - Modify SAML integration settings,\n \* `PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_READ` - Internal-Only: Read public keys,\n \* `PRIVILEGE\_SERVICE\_PUBLI

```

C_KEYS_WRITE` - Internal-Only: Write public keys,\n * `PRIVILEGE_SMB_FILE_HANDLE_READ` - List open SMB file handles,\n * `PRIVILEGE_SMB_FILE_HANDLE_WRITE` - Force close an open SMB file handle,\n * `PRIVILEGE_SMB_SESSION_READ` - List logged on SMB sessions,\n * `PRIVILEGE_SMB_SESSION_WRITE` - Force close a logged on SMB session,\n * `PRIVILEGE_SMB_SHARE_READ` - View configuration of SMB shares and SMB server settings,\n * `PRIVILEGE_SMB_SHARE_WRITE` - Create, modify, and delete SMB shares and SMB server settings,\n * `PRIVILEGE_SNAPSHOT_CALCULATE_USED_CAPACITY_READ` - Recalculate capacity usage of snapshots,\n * `PRIVILEGE_SNAPSHOT_DIFFERENCE_READ` - View the changes between snapshots,\n * `PRIVILEGE_SNAPSHOT_LOCK` - Lock or unlock snapshots. Configure snapshot policies to lock or unlock snapshots.,\n * `PRIVILEGE_SNAPSHOT_POLICY_READ` - View snapshot policies and status,\n * `PRIVILEGE_SNAPSHOT_POLICY_WRITE` - Create, modify, and delete snapshot policies,\n * `PRIVILEGE_SNAPSHOT_READ` - List snapshots and view their status and cached capacity. Does not affect the visibility of the virtual `.snapshot` directories,\n * `PRIVILEGE_SNAPSHOT_WRITE` - Create, modify, and delete snapshots,\n * `PRIVILEGE_SUPPORT_READ` - View support configuration and status,\n * `PRIVILEGE_SUPPORT_WRITE` - Modify cloud-based monitoring and remote management,\n * `PRIVILEGE_TENANT_READ` - View any tenant information,\n * `PRIVILEGE_TENANT_WRITE` - Create, edit or delete tenants,\n * `PRIVILEGE_TEST_ONLY` - Test only actions,\n * `PRIVILEGE_TIME_READ` - View time and time settings,\n * `PRIVILEGE_TIME_WRITE` - Modify time settings,\n * `PRIVILEGE_UNCONFIGURED_NODE_READ` - List unconfigured Qumulo nodes,\n * `PRIVILEGE_UPGRADE_READ` - View upgrade configuration and status,\n * `PRIVILEGE_UPGRADE_WRITE` - Perform upgrades,\n * `PRIVILEGE_WEB_UI_SETTINGS_WRITE` - Modify web UI settings"
    }
  }
}
}

```

## Response

### Codes

Code	Description
200	Return value on success



## Schema

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{
  "description": "role_model",
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    "privileges": {
      "type": "array",
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        "enum": [
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"PRIVILEGE_PORTAL_SPOKE_WRITE",
"PRIVILEGE_PORTAL_SPOKE_EVICT",
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```

VILEGE\_AUDIT\_WRITE` - Modify audit settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_READ` - Internal-Only: Read authentication cache settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_WRITE` - Internal-Only: Modify authentication cache settings,\n \* `PRIVILEGE\_CHECKSUMMING\_READ` - View the status of checksumming,\n \* `PRIVILEGE\_CLUSTER\_READ` - View nodes, disks, protection status, and SSL certificate,\n \* `PRIVILEGE\_CLUSTER\_WRITE` - Modify cluster settings and disk/identify LEDs,\n \* `PRIVILEGE\_DEBUG` - Internal-Only: Perform debug operations on the cluster,\n \* `PRIVILEGE\_DNS\_READ` - Read DNS settings,\n \* `PRIVILEGE\_DNS\_USE` - Perform DNS lookups,\n \* `PRIVILEGE\_DNS\_WRITE` - Modify DNS settings,\n \* `PRIVILEGE\_ENCRYPTION\_READ` - View the status of at-rest-encryption,\n \* `PRIVILEGE\_ENCRYPTION\_WRITE` - Rotate encryption keys for clusters with at-rest-encryption,\n \* `PRIVILEGE\_FILE\_FULL\_ACCESS` - Provides full access to all files regardless of permissions,\n \* `PRIVILEGE\_FILE\_READ\_ACCESS` - Provides read access to all files regardless of permissions,\n \* `PRIVILEGE\_FS\_ATTRIBUTES\_READ` - Read file system statistics,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_READ` - View the status of directory tree delete operations,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_WRITE` - Use directory tree delete API. Granting this privilege allows the deletion of any file or directory on the cluster. File and directory permissions are not taken into account. Not required for `rm -r`.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_READ` - Read and list public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_WRITE` - Create and manage public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_LOCK\_READ` - View NLM and SMB locks and waiters,\n \* `PRIVILEGE\_FS\_LOCK\_WRITE` - Release NLM and SMB locks,\n \* `PRIVILEGE\_FS\_SETTINGS\_READ` - View file system permissions settings,\n \* `PRIVILEGE\_FS\_SETTINGS\_WRITE` - Modify file system permissions mode,\n \* `PRIVILEGE\_FTP\_READ` - View FTP status and settings,\n \* `PRIVILEGE\_FTP\_WRITE` - Modify FTP status and settings,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_READ` - Read and list identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_WRITE` - Modify identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_READ` - Get AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_WRITE` - Set AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_READ` - Use Qumulo's identity lookup and translation APIs,\n \* `PRIVILEGE\_IDENTITY\_WRITE` - Modify identity attributes and clear authentication cache,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_READ` - View Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE` - Modify Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_READ` - Read Kerberos settings,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE` - Modify Kerberos settings,\n \* `PRIVILEGE\_KV\_READ` - DEPRECATED: Read and delete KV store entries for all users,\n \* `PRIVILEGE\_LDAP\_READ` - View LDAP settings,\n \* `PRIVILEGE\_LDAP\_USE` - Use Qumulo's APIs for performing LDAP queries,\n \* `PRIVILEGE\_LDAP\_WRITE` - Modify LDAP settings,\n \* `PRIVILEGE\_LOCAL\_GROUP\_READ` - View local groups and members,\n \* `PRIVILEGE\_LOCAL\_GROUP\_WRITE` - Modify local groups and membership,\n \* `PRIVILEGE\_LOCAL\_USER\_READ` - Get information about local users,\n \* `PRIVILEGE\_LOCAL\_USER\_WRITE` - Create and modify all local users,\n \* `PRIVILEGE\_METRICS\_CONFIG\_READ` - View metrics configuration,\n \* `PRIVILEGE\_METRICS\_CONFIG\_WRITE` - Modify metrics configuration,\n \* `PRIVILEGE\_METRICS\_READ` - Get all metrics,\n \* `PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ` - View network IP address allocations,\n \* `PRIVILEGE\_NETWORK\_IP\_READ` - Read network status and settings,\n \* `PRIVILEGE\_NETWORK\_WRITE` - Modify network configuration,\n \* `PRIVILEGE\_NFS\_EXPORT\_READ` - View configuration of NFS exports,\n \* `PRIVILEGE\_NFS\_EXPORT\_WRITE` - Create, modify, and delete NFS exports,\n

\* `PRIVILEGE\_NFS\_SETTINGS\_READ` - Internal-Only: View NFS server settings,\n \* `PRIVILEGE\_NFS\_SETTINGS\_WRITE` - Internal-Only: Modify NFS server settings,\n \* `PRIVILEGE\_PORTAL\_GLOBAL\_READ` - View global portal settings and status,\n \* `PRIVILEGE\_PORTAL\_HUB\_READ` - View hub portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_HUB\_WRITE` - Authorize, modify, and delete hub portal relationships. Granting this privilege allows authorizing proposed relationships. Depending on existing file and directory permissions, this privilege can allow remote access to local data under the hub root directory.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_EVICT` - Remove cached files and directories from a spoke portal. Qumulo Core recaches the removed files or directories upon access.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_READ` - View spoke portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_WRITE` - Create, modify, and delete spoke portal relationships. Granting this privilege allows creating spoke portal root directories. Depending on existing file permissions, this privilege can allow local access to remote files and directories.,\n \* `PRIVILEGE\_POWER\_CYCLE` - Shutdown and reboot nodes,\n \* `PRIVILEGE\_QUOTA\_READ` - View all file system quotas,\n \* `PRIVILEGE\_QUOTA\_WRITE` - Create, modify, and delete file system quotas,\n \* `PRIVILEGE\_REBOOT\_READ` - View Reboot Status,\n \* `PRIVILEGE\_REBOOT\_USE` - Perform Reboots,\n \* `PRIVILEGE\_RECONCILER\_READ` - View reconciler status and metrics,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_READ` - View object store relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_WRITE` - Create, modify, and delete object store relationships. Granting this privilege allows overwriting existing data, replicating, and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP` - Reverse a source and target relationship,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_READ` - View source relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_WRITE` - Create, modify, and delete source relationships. Granting this privilege allows replicating and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_READ` - View target relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_WRITE` - Create, modify, and delete target relationships. Granting this privilege allows overwriting any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_ROLE\_READ` - View roles and assignments,\n \* `PRIVILEGE\_ROLE\_WRITE` - Create and modify roles and assignments,\n \* `PRIVILEGE\_S3\_BUCKETS\_READ` - View all S3 buckets and bucket policies present in the system,\n \* `PRIVILEGE\_S3\_BUCKETS\_WRITE` - Create or delete any S3 bucket in the system, and create, delete, or modify policies for any S3 bucket in the system. Subject to having sufficient FS permissions.,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_READ` - View any S3 access key present in the system,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_WRITE` - Create or delete S3 access keys for any user in the system,\n \* `PRIVILEGE\_S3\_SETTINGS\_READ` - View S3 server settings,\n \* `PRIVILEGE\_S3\_SETTINGS\_WRITE` - Modify S3 server settings,\n \* `PRIVILEGE\_S3\_UPLOADS\_READ` - View all S3 uploads present in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_S3\_UPLOADS\_WRITE` - Abort S3 uploads in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_SAML\_SETTINGS\_READ` - View SAML integration settings,\n \* `PRIVILEGE\_SAML\_SETTINGS\_WRITE` - Modify SAML integration settings,\n \* `PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_READ` - Internal-Only: Read public keys,\n \* `PRIVILEGE\_SERVICE\_PUBLI

```

C_KEYS_WRITE` - Internal-Only: Write public keys,\n * `PRIVILEGE_SMB_FILE_HANDLE_READ` - List open SMB file handles,\n * `PRIVILEGE_SMB_FILE_HANDLE_WRITE` - Force close an open SMB file handle,\n * `PRIVILEGE_SMB_SESSION_READ` - List logged on SMB sessions,\n * `PRIVILEGE_SMB_SESSION_WRITE` - Force close a logged on SMB session,\n * `PRIVILEGE_SMB_SHARE_READ` - View configuration of SMB shares and SMB server settings,\n * `PRIVILEGE_SMB_SHARE_WRITE` - Create, modify, and delete SMB shares and SMB server settings,\n * `PRIVILEGE_SNAPSHOT_CALCULATE_USED_CAPACITY_READ` - Recalculate capacity usage of snapshots,\n * `PRIVILEGE_SNAPSHOT_DIFFERENCE_READ` - View the changes between snapshots,\n * `PRIVILEGE_SNAPSHOT_LOCK` - Lock or unlock snapshots. Configure snapshot policies to lock or unlock snapshots.,\n * `PRIVILEGE_SNAPSHOT_POLICY_READ` - View snapshot policies and status,\n * `PRIVILEGE_SNAPSHOT_POLICY_WRITE` - Create, modify, and delete snapshot policies,\n * `PRIVILEGE_SNAPSHOT_READ` - List snapshots and view their status and cached capacity. Does not affect the visibility of the virtual `.snapshot` directories,\n * `PRIVILEGE_SNAPSHOT_WRITE` - Create, modify, and delete snapshots,\n * `PRIVILEGE_SUPPORT_READ` - View support configuration and status,\n * `PRIVILEGE_SUPPORT_WRITE` - Modify cloud-based monitoring and remote management,\n * `PRIVILEGE_TENANT_READ` - View any tenant information,\n * `PRIVILEGE_TENANT_WRITE` - Create, edit or delete tenants,\n * `PRIVILEGE_TEST_ONLY` - Test only actions,\n * `PRIVILEGE_TIME_READ` - View time and time settings,\n * `PRIVILEGE_TIME_WRITE` - Modify time settings,\n * `PRIVILEGE_UNCONFIGURED_NODE_READ` - List unconfigured Qumulo nodes,\n * `PRIVILEGE_UPGRADE_READ` - View upgrade configuration and status,\n * `PRIVILEGE_UPGRADE_WRITE` - Perform upgrades,\n * `PRIVILEGE_WEB_UI_SETTINGS_WRITE` - Modify web UI settings"
    }
  }
}
}

```

## DELETE

Delete a role.

Parameters

Name	Description	Required
<code>role_name</code>	The name of the role (This page URL-encodes the name for you)	Yes
<code>If-Match</code>	ETag for expected version	No

Response

Codes

Code	Description
200	Return value on success

## PATCH

Modify fields on a role.

### Parameters

Name	Description	Required
<code>role_name</code>	The name of the role (This page URL-encodes the name for you)	Yes
<code>If-Match</code>	ETag for expected version	No



Request  
Schema

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"PRIVILEGE_ENCRYPTION_READ",
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"PRIVILEGE_NFS_SETTINGS_WRITE",
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"PRIVILEGE_SERVICE_PUBLIC_KEYS_READ",
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"PRIVILEGE_METRICS_CONFIG_WRITE",
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"PRIVILEGE_S3_SETTINGS_READ",
"PRIVILEGE_S3_SETTINGS_WRITE",
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"PRIVILEGE_S3_CREDENTIALS_READ",
"PRIVILEGE_S3_CREDENTIALS_WRITE",
"PRIVILEGE_TENANT_READ",
"PRIVILEGE_TENANT_WRITE",
"PRIVILEGE_SAML_SETTINGS_READ",
"PRIVILEGE_SAML_SETTINGS_WRITE",
"PRIVILEGE_S3_BUCKETS_READ",
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"PRIVILEGE_ACCESS_TOKENS_WRITE",
"PRIVILEGE_S3_UPLOADS_READ",
"PRIVILEGE_S3_UPLOADS_WRITE",
"PRIVILEGE_SNAPSHOT_LOCK",
"PRIVILEGE_FS_KEY_MANAGEMENT_WRITE",
"PRIVILEGE_FS_KEY_MANAGEMENT_READ",
"PRIVILEGE_IDENTITY_CONFIG_WRITE",
"PRIVILEGE_IDENTITY_CONFIG_READ",
"PRIVILEGE_FILE_READ_ACCESS",
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"PRIVILEGE_PORTAL_SPOKE_EVICT",
"PRIVILEGE_PORTAL_HUB_READ",
"PRIVILEGE_PORTAL_HUB_WRITE",
"PRIVILEGE_PORTAL_GLOBAL_READ"
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```

VILEGE\_AUDIT\_WRITE` - Modify audit settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_READ` - Internal-Only: Read authentication cache settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_WRITE` - Internal-Only: Modify authentication cache settings,\n \* `PRIVILEGE\_CHECKSUMMING\_READ` - View the status of checksumming,\n \* `PRIVILEGE\_CLUSTER\_READ` - View nodes, disks, protection status, and SSL certificate,\n \* `PRIVILEGE\_CLUSTER\_WRITE` - Modify cluster settings and disk/identify LEDs,\n \* `PRIVILEGE\_DEBUG` - Internal-Only: Perform debug operations on the cluster,\n \* `PRIVILEGE\_DNS\_READ` - Read DNS settings,\n \* `PRIVILEGE\_DNS\_USE` - Perform DNS lookups,\n \* `PRIVILEGE\_DNS\_WRITE` - Modify DNS settings,\n \* `PRIVILEGE\_ENCRYPTION\_READ` - View the status of at-rest-encryption,\n \* `PRIVILEGE\_ENCRYPTION\_WRITE` - Rotate encryption keys for clusters with at-rest-encryption,\n \* `PRIVILEGE\_FILE\_FULL\_ACCESS` - Provides full access to all files regardless of permissions,\n \* `PRIVILEGE\_FILE\_READ\_ACCESS` - Provides read access to all files regardless of permissions,\n \* `PRIVILEGE\_FS\_ATTRIBUTES\_READ` - Read file system statistics,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_READ` - View the status of directory tree delete operations,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_WRITE` - Use directory tree delete API. Granting this privilege allows the deletion of any file or directory on the cluster. File and directory permissions are not taken into account. Not required for `rm -r`.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_READ` - Read and list public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_WRITE` - Create and manage public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_LOCK\_READ` - View NLM and SMB locks and waiters,\n \* `PRIVILEGE\_FS\_LOCK\_WRITE` - Release NLM and SMB locks,\n \* `PRIVILEGE\_FS\_SETTINGS\_READ` - View file system permissions settings,\n \* `PRIVILEGE\_FS\_SETTINGS\_WRITE` - Modify file system permissions mode,\n \* `PRIVILEGE\_FTP\_READ` - View FTP status and settings,\n \* `PRIVILEGE\_FTP\_WRITE` - Modify FTP status and settings,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_READ` - Read and list identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_WRITE` - Modify identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_READ` - Get AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_WRITE` - Set AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_READ` - Use Qumulo's identity lookup and translation APIs,\n \* `PRIVILEGE\_IDENTITY\_WRITE` - Modify identity attributes and clear authentication cache,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_READ` - View Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE` - Modify Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_READ` - Read Kerberos settings,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE` - Modify Kerberos settings,\n \* `PRIVILEGE\_KV\_READ` - DEPRECATED: Read and delete KV store entries for all users,\n \* `PRIVILEGE\_LDAP\_READ` - View LDAP settings,\n \* `PRIVILEGE\_LDAP\_USE` - Use Qumulo's APIs for performing LDAP queries,\n \* `PRIVILEGE\_LDAP\_WRITE` - Modify LDAP settings,\n \* `PRIVILEGE\_LOCAL\_GROUP\_READ` - View local groups and members,\n \* `PRIVILEGE\_LOCAL\_GROUP\_WRITE` - Modify local groups and membership,\n \* `PRIVILEGE\_LOCAL\_USER\_READ` - Get information about local users,\n \* `PRIVILEGE\_LOCAL\_USER\_WRITE` - Create and modify all local users,\n \* `PRIVILEGE\_METRICS\_CONFIG\_READ` - View metrics configuration,\n \* `PRIVILEGE\_METRICS\_CONFIG\_WRITE` - Modify metrics configuration,\n \* `PRIVILEGE\_METRICS\_READ` - Get all metrics,\n \* `PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ` - View network IP address allocations,\n \* `PRIVILEGE\_NETWORK\_IP\_READ` - Read network status and settings,\n \* `PRIVILEGE\_NETWORK\_WRITE` - Modify network configuration,\n \* `PRIVILEGE\_NFS\_EXPORT\_READ` - View configuration of NFS exports,\n \* `PRIVILEGE\_NFS\_EXPORT\_WRITE` - Create, modify, and delete NFS exports,\n

\* `PRIVILEGE\_NFS\_SETTINGS\_READ` - Internal-Only: View NFS server settings,\n \* `PRIVILEGE\_NFS\_SETTINGS\_WRITE` - Internal-Only: Modify NFS server settings,\n \* `PRIVILEGE\_PORTAL\_GLOBAL\_READ` - View global portal settings and status,\n \* `PRIVILEGE\_PORTAL\_HUB\_READ` - View hub portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_HUB\_WRITE` - Authorize, modify, and delete hub portal relationships. Granting this privilege allows authorizing proposed relationships. Depending on existing file and directory permissions, this privilege can allow remote access to local data under the hub root directory.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_EVICT` - Remove cached files and directories from a spoke portal. Qumulo Core recaches the removed files or directories upon access.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_READ` - View spoke portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_WRITE` - Create, modify, and delete spoke portal relationships. Granting this privilege allows creating spoke portal root directories. Depending on existing file permissions, this privilege can allow local access to remote files and directories.,\n \* `PRIVILEGE\_POWER\_CYCLE` - Shutdown and reboot nodes,\n \* `PRIVILEGE\_QUOTA\_READ` - View all file system quotas,\n \* `PRIVILEGE\_QUOTA\_WRITE` - Create, modify, and delete file system quotas,\n \* `PRIVILEGE\_REBOOT\_READ` - View Reboot Status,\n \* `PRIVILEGE\_REBOOT\_USE` - Perform Reboots,\n \* `PRIVILEGE\_RECONCILER\_READ` - View reconciler status and metrics,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_READ` - View object store relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_WRITE` - Create, modify, and delete object store relationships. Granting this privilege allows overwriting existing data, replicating, and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP` - Reverse a source and target relationship,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_READ` - View source relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_WRITE` - Create, modify, and delete source relationships. Granting this privilege allows replicating and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_READ` - View target relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_WRITE` - Create, modify, and delete target relationships. Granting this privilege allows overwriting any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_ROLE\_READ` - View roles and assignments,\n \* `PRIVILEGE\_ROLE\_WRITE` - Create and modify roles and assignments,\n \* `PRIVILEGE\_S3\_BUCKETS\_READ` - View all S3 buckets and bucket policies present in the system,\n \* `PRIVILEGE\_S3\_BUCKETS\_WRITE` - Create or delete any S3 bucket in the system, and create, delete, or modify policies for any S3 bucket in the system. Subject to having sufficient FS permissions.,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_READ` - View any S3 access key present in the system,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_WRITE` - Create or delete S3 access keys for any user in the system,\n \* `PRIVILEGE\_S3\_SETTINGS\_READ` - View S3 server settings,\n \* `PRIVILEGE\_S3\_SETTINGS\_WRITE` - Modify S3 server settings,\n \* `PRIVILEGE\_S3\_UPLOADS\_READ` - View all S3 uploads present in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_S3\_UPLOADS\_WRITE` - Abort S3 uploads in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_SAML\_SETTINGS\_READ` - View SAML integration settings,\n \* `PRIVILEGE\_SAML\_SETTINGS\_WRITE` - Modify SAML integration settings,\n \* `PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_READ` - Internal-Only: Read public keys,\n \* `PRIVILEGE\_SERVICE\_PUBLI

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C_KEYS_WRITE` - Internal-Only: Write public keys,\n * `PRIVILEGE_SMB_FILE_HANDLE_READ` - List open SMB file handles,\n * `PRIVILEGE_SMB_FILE_HANDLE_WRITE` - Force close an open SMB file handle,\n * `PRIVILEGE_SMB_SESSION_READ` - List logged on SMB sessions,\n * `PRIVILEGE_SMB_SESSION_WRITE` - Force close a logged on SMB session,\n * `PRIVILEGE_SMB_SHARE_READ` - View configuration of SMB shares and SMB server settings,\n * `PRIVILEGE_SMB_SHARE_WRITE` - Create, modify, and delete SMB shares and SMB server settings,\n * `PRIVILEGE_SNAPSHOT_CALCULATE_USED_CAPACITY_READ` - Recalculate capacity usage of snapshots,\n * `PRIVILEGE_SNAPSHOT_DIFFERENCE_READ` - View the changes between snapshots,\n * `PRIVILEGE_SNAPSHOT_LOCK` - Lock or unlock snapshots. Configure snapshot policies to lock or unlock snapshots.,\n * `PRIVILEGE_SNAPSHOT_POLICY_READ` - View snapshot policies and status,\n * `PRIVILEGE_SNAPSHOT_POLICY_WRITE` - Create, modify, and delete snapshot policies,\n * `PRIVILEGE_SNAPSHOT_READ` - List snapshots and view their status and cached capacity. Does not affect the visibility of the virtual `.snapshot` directories,\n * `PRIVILEGE_SNAPSHOT_WRITE` - Create, modify, and delete snapshots,\n * `PRIVILEGE_SUPPORT_READ` - View support configuration and status,\n * `PRIVILEGE_SUPPORT_WRITE` - Modify cloud-based monitoring and remote management,\n * `PRIVILEGE_TENANT_READ` - View any tenant information,\n * `PRIVILEGE_TENANT_WRITE` - Create, edit or delete tenants,\n * `PRIVILEGE_TEST_ONLY` - Test only actions,\n * `PRIVILEGE_TIME_READ` - View time and time settings,\n * `PRIVILEGE_TIME_WRITE` - Modify time settings,\n * `PRIVILEGE_UNCONFIGURED_NODE_READ` - List unconfigured Qumulo nodes,\n * `PRIVILEGE_UPGRADE_READ` - View upgrade configuration and status,\n * `PRIVILEGE_UPGRADE_WRITE` - Perform upgrades,\n * `PRIVILEGE_WEB_UI_SETTINGS_WRITE` - Modify web UI settings"
    }
  }
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema



```

{
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    },
    "privileges": {
      "type": "array",
      "items": {
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        "enum": [
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          "PRIVILEGE_AD_USE",
          "PRIVILEGE_AD_WRITE",
          "PRIVILEGE_ANALYTICS_READ",
          "PRIVILEGE_AUDIT_READ",
          "PRIVILEGE_AUDIT_WRITE",
          "PRIVILEGE_AUTH_CACHE_READ",
          "PRIVILEGE_AUTH_CACHE_WRITE",
          "PRIVILEGE_CLUSTER_READ",
          "PRIVILEGE_CLUSTER_WRITE",
          "PRIVILEGE_DEBUG",
          "PRIVILEGE_DNS_READ",
          "PRIVILEGE_DNS_USE",
          "PRIVILEGE_DNS_WRITE",
          "PRIVILEGE_FILE_FULL_ACCESS",
          "PRIVILEGE_FS_ATTRIBUTES_READ",
          "PRIVILEGE_FS_DELETE_TREE_READ",
          "PRIVILEGE_FS_DELETE_TREE_WRITE",
          "PRIVILEGE_FS_LOCK_READ",
          "PRIVILEGE_FS_LOCK_WRITE",
          "PRIVILEGE_FS_SETTINGS_READ",
          "PRIVILEGE_FS_SETTINGS_WRITE",
          "PRIVILEGE_FTP_READ",
          "PRIVILEGE_FTP_WRITE",
          "PRIVILEGE_IDENTITY_MAPPING_READ",
          "PRIVILEGE_IDENTITY_MAPPING_WRITE",
          "PRIVILEGE_IDENTITY_READ",
          "PRIVILEGE_IDENTITY_WRITE",
          "PRIVILEGE_KERBEROS_KEYTAB_READ",
          "PRIVILEGE_KERBEROS_KEYTAB_WRITE",
          "PRIVILEGE_KERBEROS_SETTINGS_READ",
          "PRIVILEGE_KERBEROS_SETTINGS_WRITE",
          "PRIVILEGE_KV_READ",

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"PRIVILEGE\_LDAP\_READ",  
"PRIVILEGE\_LDAP\_USE",  
"PRIVILEGE\_LDAP\_WRITE",  
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"PRIVILEGE\_LOCAL\_GROUP\_WRITE",  
"PRIVILEGE\_LOCAL\_USER\_READ",  
"PRIVILEGE\_LOCAL\_USER\_WRITE",  
"PRIVILEGE\_METRICS\_READ",  
"PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ",  
"PRIVILEGE\_NETWORK\_READ",  
"PRIVILEGE\_NETWORK\_WRITE",  
"PRIVILEGE\_NFS\_EXPORT\_READ",  
"PRIVILEGE\_NFS\_EXPORT\_WRITE",  
"PRIVILEGE\_POWER\_CYCLE",  
"PRIVILEGE\_QUOTA\_READ",  
"PRIVILEGE\_QUOTA\_WRITE",  
"PRIVILEGE\_RECONCILER\_READ",  
"PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP",  
"PRIVILEGE\_REPLICATION\_SOURCE\_READ",  
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"PRIVILEGE\_SMB\_SHARE\_READ",  
"PRIVILEGE\_SMB\_SHARE\_WRITE",  
"PRIVILEGE\_SNAPSHOT\_CALCULATE\_USED\_CAPACITY\_READ",  
"PRIVILEGE\_SNAPSHOT\_DIFFERENCE\_READ",  
"PRIVILEGE\_SNAPSHOT\_POLICY\_READ",  
"PRIVILEGE\_SNAPSHOT\_POLICY\_WRITE",  
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"PRIVILEGE\_SNAPSHOT\_WRITE",  
"PRIVILEGE\_SUPPORT\_READ",  
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"PRIVILEGE\_TIME\_WRITE",  
"PRIVILEGE\_UNCONFIGURED\_NODE\_READ",  
"PRIVILEGE\_UPGRADE\_READ",  
"PRIVILEGE\_UPGRADE\_WRITE",  
"PRIVILEGE\_SMB\_FILE\_HANDLE\_READ",  
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"PRIVILEGE\_SMB\_SESSION\_READ",  
"PRIVILEGE\_SMB\_SESSION\_WRITE",  
"PRIVILEGE\_REPLICATION\_OBJECT\_READ",  
"PRIVILEGE\_REPLICATION\_OBJECT\_WRITE",

```
"PRIVILEGE_ENCRYPTION_WRITE",
"PRIVILEGE_ENCRYPTION_READ",
"PRIVILEGE_NFS_SETTINGS_READ",
"PRIVILEGE_NFS_SETTINGS_WRITE",
"PRIVILEGE_SERVICE_PUBLIC_KEYS_WRITE",
"PRIVILEGE_SERVICE_PUBLIC_KEYS_READ",
"PRIVILEGE_METRICS_CONFIG_READ",
"PRIVILEGE_METRICS_CONFIG_WRITE",
"PRIVILEGE_REBOOT_USE",
"PRIVILEGE_REBOOT_READ",
"PRIVILEGE_CHECKSUMMING_READ",
"PRIVILEGE_S3_SETTINGS_READ",
"PRIVILEGE_S3_SETTINGS_WRITE",
"PRIVILEGE_WEB_UI_SETTINGS_WRITE",
"PRIVILEGE_S3_CREDENTIALS_READ",
"PRIVILEGE_S3_CREDENTIALS_WRITE",
"PRIVILEGE_TENANT_READ",
"PRIVILEGE_TENANT_WRITE",
"PRIVILEGE_SAML_SETTINGS_READ",
"PRIVILEGE_SAML_SETTINGS_WRITE",
"PRIVILEGE_S3_BUCKETS_READ",
"PRIVILEGE_S3_BUCKETS_WRITE",
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"PRIVILEGE_ACCESS_TOKENS_WRITE",
"PRIVILEGE_S3_UPLOADS_READ",
"PRIVILEGE_S3_UPLOADS_WRITE",
"PRIVILEGE_SNAPSHOT_LOCK",
"PRIVILEGE_FS_KEY_MANAGEMENT_WRITE",
"PRIVILEGE_FS_KEY_MANAGEMENT_READ",
"PRIVILEGE_IDENTITY_CONFIG_WRITE",
"PRIVILEGE_IDENTITY_CONFIG_READ",
"PRIVILEGE_FILE_READ_ACCESS",
"PRIVILEGE_PORTAL_SPOKE_READ",
"PRIVILEGE_PORTAL_SPOKE_WRITE",
"PRIVILEGE_PORTAL_SPOKE_EVICT",
"PRIVILEGE_PORTAL_HUB_READ",
"PRIVILEGE_PORTAL_HUB_WRITE",
"PRIVILEGE_PORTAL_GLOBAL_READ"
```

```
],
```

```
"description": "Privileges the role has been granted:\n * `PRIVILEGE_ACCESS_TOKENS_READ` - View any access tokens present in the system,\n * `PRIVILEGE_ACCESS_TOKENS_WRITE` - Create or delete access tokens for any user in the system,\n * `PRIVILEGE_AD_READ` - Read Qumulo Active Directory settings,\n * `PRIVILEGE_AD_USE` - Use Qumulo's APIs for performing queries against Active Directory,\n * `PRIVILEGE_AD_WRITE` - Modify Qumulo Active Directory settings,\n * `PRIVILEGE_ANALYTICS_READ` - Read cluster analytics,\n * `PRIVILEGE_AUDIT_READ` - Read audit settings,\n * `PRI
```

VILEGE\_AUDIT\_WRITE` - Modify audit settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_READ` - Internal-Only: Read authentication cache settings,\n \* `PRIVILEGE\_AUTH\_CACHE\_WRITE` - Internal-Only: Modify authentication cache settings,\n \* `PRIVILEGE\_CHECKSUMMING\_READ` - View the status of checksumming,\n \* `PRIVILEGE\_CLUSTER\_READ` - View nodes, disks, protection status, and SSL certificate,\n \* `PRIVILEGE\_CLUSTER\_WRITE` - Modify cluster settings and disk/identify LEDs,\n \* `PRIVILEGE\_DEBUG` - Internal-Only: Perform debug operations on the cluster,\n \* `PRIVILEGE\_DNS\_READ` - Read DNS settings,\n \* `PRIVILEGE\_DNS\_USE` - Perform DNS lookups,\n \* `PRIVILEGE\_DNS\_WRITE` - Modify DNS settings,\n \* `PRIVILEGE\_ENCRYPTION\_READ` - View the status of at-rest-encryption,\n \* `PRIVILEGE\_ENCRYPTION\_WRITE` - Rotate encryption keys for clusters with at-rest-encryption,\n \* `PRIVILEGE\_FILE\_FULL\_ACCESS` - Provides full access to all files regardless of permissions,\n \* `PRIVILEGE\_FILE\_READ\_ACCESS` - Provides read access to all files regardless of permissions,\n \* `PRIVILEGE\_FS\_ATTRIBUTES\_READ` - Read file system statistics,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_READ` - View the status of directory tree delete operations,\n \* `PRIVILEGE\_FS\_DELETE\_TREE\_WRITE` - Use directory tree delete API. Granting this privilege allows the deletion of any file or directory on the cluster. File and directory permissions are not taken into account. Not required for `rm -r`.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_READ` - Read and list public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_KEY\_MANAGEMENT\_WRITE` - Create and manage public keys for various FS security features.,\n \* `PRIVILEGE\_FS\_LOCK\_READ` - View NLM and SMB locks and waiters,\n \* `PRIVILEGE\_FS\_LOCK\_WRITE` - Release NLM and SMB locks,\n \* `PRIVILEGE\_FS\_SETTINGS\_READ` - View file system permissions settings,\n \* `PRIVILEGE\_FS\_SETTINGS\_WRITE` - Modify file system permissions mode,\n \* `PRIVILEGE\_FTP\_READ` - View FTP status and settings,\n \* `PRIVILEGE\_FTP\_WRITE` - Modify FTP status and settings,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_READ` - Read and list identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_WRITE` - Modify identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_READ` - Get AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_WRITE` - Set AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_READ` - Use Qumulo's identity lookup and translation APIs,\n \* `PRIVILEGE\_IDENTITY\_WRITE` - Modify identity attributes and clear authentication cache,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_READ` - View Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE` - Modify Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_READ` - Read Kerberos settings,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE` - Modify Kerberos settings,\n \* `PRIVILEGE\_KV\_READ` - DEPRECATED: Read and delete KV store entries for all users,\n \* `PRIVILEGE\_LDAP\_READ` - View LDAP settings,\n \* `PRIVILEGE\_LDAP\_USE` - Use Qumulo's APIs for performing LDAP queries,\n \* `PRIVILEGE\_LDAP\_WRITE` - Modify LDAP settings,\n \* `PRIVILEGE\_LOCAL\_GROUP\_READ` - View local groups and members,\n \* `PRIVILEGE\_LOCAL\_GROUP\_WRITE` - Modify local groups and membership,\n \* `PRIVILEGE\_LOCAL\_USER\_READ` - Get information about local users,\n \* `PRIVILEGE\_LOCAL\_USER\_WRITE` - Create and modify all local users,\n \* `PRIVILEGE\_METRICS\_CONFIG\_READ` - View metrics configuration,\n \* `PRIVILEGE\_METRICS\_CONFIG\_WRITE` - Modify metrics configuration,\n \* `PRIVILEGE\_METRICS\_READ` - Get all metrics,\n \* `PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ` - View network IP address allocations,\n \* `PRIVILEGE\_NETWORK\_IP\_READ` - Read network status and settings,\n \* `PRIVILEGE\_NETWORK\_WRITE` - Modify network configuration,\n \* `PRIVILEGE\_NFS\_EXPORT\_READ` - View configuration of NFS exports,\n \* `PRIVILEGE\_NFS\_EXPORT\_WRITE` - Create, modify, and delete NFS exports,\n

\* `PRIVILEGE\_NFS\_SETTINGS\_READ` - Internal-Only: View NFS server settings,\n \* `PRIVILEGE\_NFS\_SETTINGS\_WRITE` - Internal-Only: Modify NFS server settings,\n \* `PRIVILEGE\_PORTAL\_GLOBAL\_READ` - View global portal settings and status,\n \* `PRIVILEGE\_PORTAL\_HUB\_READ` - View hub portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_HUB\_WRITE` - Authorize, modify, and delete hub portal relationships. Granting this privilege allows authorizing proposed relationships. Depending on existing file and directory permissions, this privilege can allow remote access to local data under the hub root directory.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_EVICT` - Remove cached files and directories from a spoke portal. Qumulo Core recaches the removed files or directories upon access.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_READ` - View spoke portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_WRITE` - Create, modify, and delete spoke portal relationships. Granting this privilege allows creating spoke portal root directories. Depending on existing file permissions, this privilege can allow local access to remote files and directories.,\n \* `PRIVILEGE\_POWER\_CYCLE` - Shutdown and reboot nodes,\n \* `PRIVILEGE\_QUOTA\_READ` - View all file system quotas,\n \* `PRIVILEGE\_QUOTA\_WRITE` - Create, modify, and delete file system quotas,\n \* `PRIVILEGE\_REBOOT\_READ` - View Reboot Status,\n \* `PRIVILEGE\_REBOOT\_USE` - Perform Reboots,\n \* `PRIVILEGE\_RECONCILER\_READ` - View reconciler status and metrics,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_READ` - View object store relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_WRITE` - Create, modify, and delete object store relationships. Granting this privilege allows overwriting existing data, replicating, and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP` - Reverse a source and target relationship,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_READ` - View source relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_WRITE` - Create, modify, and delete source relationships. Granting this privilege allows replicating and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_READ` - View target relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_WRITE` - Create, modify, and delete target relationships. Granting this privilege allows overwriting any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_ROLE\_READ` - View roles and assignments,\n \* `PRIVILEGE\_ROLE\_WRITE` - Create and modify roles and assignments,\n \* `PRIVILEGE\_S3\_BUCKETS\_READ` - View all S3 buckets and bucket policies present in the system,\n \* `PRIVILEGE\_S3\_BUCKETS\_WRITE` - Create or delete any S3 bucket in the system, and create, delete, or modify policies for any S3 bucket in the system. Subject to having sufficient FS permissions.,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_READ` - View any S3 access key present in the system,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_WRITE` - Create or delete S3 access keys for any user in the system,\n \* `PRIVILEGE\_S3\_SETTINGS\_READ` - View S3 server settings,\n \* `PRIVILEGE\_S3\_SETTINGS\_WRITE` - Modify S3 server settings,\n \* `PRIVILEGE\_S3\_UPLOADS\_READ` - View all S3 uploads present in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_S3\_UPLOADS\_WRITE` - Abort S3 uploads in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_SAML\_SETTINGS\_READ` - View SAML integration settings,\n \* `PRIVILEGE\_SAML\_SETTINGS\_WRITE` - Modify SAML integration settings,\n \* `PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_READ` - Internal-Only: Read public keys,\n \* `PRIVILEGE\_SERVICE\_PUBLI

```
C_KEYS_WRITE` - Internal-Only: Write public keys,\n * `PRIVILEGE_SMB_FILE_HANDLE_READ` - List open SMB file handles,\n * `PRIVILEGE_SMB_FILE_HANDLE_WRITE` - Force close an open SMB file handle,\n * `PRIVILEGE_SMB_SESSION_READ` - List logged on SMB sessions,\n * `PRIVILEGE_SMB_SESSION_WRITE` - Force close a logged on SMB session,\n * `PRIVILEGE_SMB_SHARE_READ` - View configuration of SMB shares and SMB server settings,\n * `PRIVILEGE_SMB_SHARE_WRITE` - Create, modify, and delete SMB shares and SMB server settings,\n * `PRIVILEGE_SNAPSHOT_CALCULATE_USED_CAPACITY_READ` - Recalculate capacity usage of snapshots,\n * `PRIVILEGE_SNAPSHOT_DIFFERENCE_READ` - View the changes between snapshots,\n * `PRIVILEGE_SNAPSHOT_LOCK` - Lock or unlock snapshots. Configure snapshot policies to lock or unlock snapshots.,\n * `PRIVILEGE_SNAPSHOT_POLICY_READ` - View snapshot policies and status,\n * `PRIVILEGE_SNAPSHOT_POLICY_WRITE` - Create, modify, and delete snapshot policies,\n * `PRIVILEGE_SNAPSHOT_READ` - List snapshots and view their status and cached capacity. Does not affect the visibility of the virtual `.snapshot` directories,\n * `PRIVILEGE_SNAPSHOT_WRITE` - Create, modify, and delete snapshots,\n * `PRIVILEGE_SUPPORT_READ` - View support configuration and status,\n * `PRIVILEGE_SUPPORT_WRITE` - Modify cloud-based monitoring and remote management,\n * `PRIVILEGE_TENANT_READ` - View any tenant information,\n * `PRIVILEGE_TENANT_WRITE` - Create, edit or delete tenants,\n * `PRIVILEGE_TEST_ONLY` - Test only actions,\n * `PRIVILEGE_TIME_READ` - View time and time settings,\n * `PRIVILEGE_TIME_WRITE` - Modify time settings,\n * `PRIVILEGE_UNCONFIGURED_NODE_READ` - List unconfigured Qumulo nodes,\n * `PRIVILEGE_UPGRADE_READ` - View upgrade configuration and status,\n * `PRIVILEGE_UPGRADE_WRITE` - Perform upgrades,\n * `PRIVILEGE_WEB_UI_SETTINGS_WRITE` - Modify web UI settings"
    }
  }
}
```

# auth/roles/{role\_name}/members

## Endpoint

`/v1/auth/roles/{role_name}/members`

## GET

List all members of a role.

### Parameters

Name	Description	Required
<code>role_name</code>	The name of the role (This page URL-encodes the name for you)	Yes
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## POST

Assign a member to a role

### Parameters

Name	Description	Required
<code>role_name</code>	The name of the role (This page URL-encodes the name for you)	Yes

Request  
Schema



```

{
  "description": "api_identity",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
}

```

```
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_identity",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
}

```

```
}  
}
```

# auth/ roles/{role\_name}/members/{member\_id}

## Endpoint

`/v1/auth/roles/{role_name}/members/{member_id}`

## GET

Get information about the member of the role.

### Parameters

Name	Description	Required
<code>role_name</code>	The name of the role (This page URL-encodes the name for you)	Yes
<code>member_id</code>	The member's unique ID	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_identity",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
}

```



```
}  
}
```

## DELETE

Remove a member from a role

### Parameters

Name	Description	Required
<code>role_name</code>	The name of the role (This page URL-encodes the name for you)	Yes
<code>member_id</code>	The member's unique ID	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# auth/sids/{id}/related-identities/

## Endpoint

`/v1/auth/sids/{id}/related-identities/`

## GET

Given a Windows NT Security IDentifier, return all related identities (equivalents in other domains, and containing groups). This API is deprecated in favor of `/v1/identity/expand`

## Parameters

Name	Description	Required
<code>id</code>	The Windows NT security identifier to expand.	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_identity_v1",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
      },
      "id_value": {
        "description": "id_value",
        "type": "string"
      }
    }
  }
}
```

# auth/user-defined-mappings/

## Endpoint

`/v1/auth/user-defined-mappings/`

## GET

Get the configured set of AD/LDAP static user defined mappings.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "type": "array",
  "items": {
    "description": "user_equivalence",
    "type": "object",
    "properties": {
      "down_level_logon_name": {
        "description": "down_level_logon_name",
        "type": "string"
      },
      "ldap_name": {
        "description": "ldap_name",
        "type": "string"
      }
    }
  }
}
```

## PUT

Replace the configured set of AD/LDAP static user defined mappings with the supplied set.

## Parameters

Name	Description	Required
If-Match	ETag for expected version	No

## Request

### Schema

```
{
  "type": "array",
  "items": {
    "description": "user_equivalence",
    "type": "object",
    "properties": {
      "down_level_logon_name": {
        "description": "down_level_logon_name",
        "type": "string"
      },
      "ldap_name": {
        "description": "ldap_name",
        "type": "string"
      }
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "user_equivalence",
    "type": "object",
    "properties": {
      "down_level_logon_name": {
        "description": "down_level_logon_name",
        "type": "string"
      },
      "ldap_name": {
        "description": "ldap_name",
        "type": "string"
      }
    }
  }
}
```

# ad/cancel

## Endpoint

`/v1/ad/cancel`

## POST

Cancel current join or leave operation.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
202	Return value on success

# ad/dismiss-error

## Endpoint

`/v1/ad/dismiss-error`

## POST

Dismiss the last error recorded from a join, reconfigure, or leave operation.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "ad_domain_monitor",
  "type": "object",
  "properties": {
    "status": {
      "type": "string",
      "enum": [
        "LEAVE_SUCCEEDED",
        "JOIN_SUCCEEDED",
        "LEAVE_FAILED",
        "JOIN_FAILED",
        "LEAVE_IN_PROGRESS",
        "JOIN_IN_PROGRESS",
        "RECONFIGURE_IN_PROGRESS"
      ],
      "description": "status:\n * `JOIN_FAILED` - JOIN_FAILED,\n * `JOIN_IN_PROGRESS` - JOIN_IN_PROGRESS,\n * `JOIN_SUCCEEDED` - JOIN_SUCCEEDED,\n * `LEAVE_FAILED` - LEAVE_FAILED,\n * `LEAVE_IN_PROGRESS` - LEAVE_IN_PROGRESS,\n * `LEAVE_SUCCEEDED` - LEAVE_SUCCEEDED,\n * `RECONFIGURE_IN_PROGRESS` - RECONFIGURE_IN_PROGRESS"
    },
    "last_error": {
      "description": "last_error",
      "type": "object",
      "properties": {
        "module": {
          "description": "module",
          "type": "string"
        },
        "error_class": {
          "description": "error_class",
          "type": "string"
        },
        "description": {
          "description": "description",
          "type": "string"
        },
        "stack": {
          "description": "stack",
          "type": "string"
        },
        "user_visible": {
          "description": "user_visible",
          "type": "boolean"
        }
      }
    }
  }
},

```

```
"last_action_time": {
  "description": "last_action_time",
  "type": "string"
},
"id": {
  "description": "id",
  "type": "number"
},
"domain": {
  "description": "domain",
  "type": "string"
},
"domain_netbios": {
  "description": "domain_netbios",
  "type": "string"
},
"ou": {
  "description": "ou",
  "type": "string"
},
"search_trusted_domains": {
  "description": "search_trusted_domains",
  "type": "boolean"
},
"use_ad_posix_attributes": {
  "description": "use_ad_posix_attributes",
  "type": "boolean"
},
"base_dn": {
  "description": "base_dn",
  "type": "string"
}
}
}
```

# ad/distinguished-names/{dn}/object

## Endpoint

`/v1/ad/distinguished-names/{dn}/object`

## GET

Return the AD account object that has the given distinguished name.

### Parameters

Name	Description	Required
<code>dn</code>	The distinguished name to use to look up an AD user or group.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "ad_ldap_object",
  "type": "object",
  "properties": {
    "dn": {
      "description": "dn",
      "type": "string"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "name": {
      "description": "name",
      "type": "string"
    },
    "groups": {
      "type": "array",
      "items": {
        "description": "groups",
        "type": "string"
      }
    },
    "primary_group_sid": {
      "description": "primary_group_sid",
      "type": "string"
    },
    "classes": {
      "type": "array",
      "items": {
        "description": "classes",
        "type": "string"
      }
    }
  }
}
```

# ad/gids/{gid}/sids/

## Endpoint

`/v1/ad/gids/{gid}/sids/`

## GET

Return the SIDs for the given GID as found by issuing an AD query against the current domain the cluster is joined to.

### Parameters

Name	Description	Required
<code>gid</code>	The GID to use to look up its SIDs	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "type": "array",
  "items": {
    "type": "string"
  }
}
```

# ad/join

## Endpoint

`/v1/ad/join`

## POST

Joins the cluster to an Active Directory domain.

## Parameters

This resource has no parameters.

Request  
Schema



```

{
  "description": "ad_domain_join_args",
  "type": "object",
  "properties": {
    "domain": {
      "description": "domain",
      "type": "string"
    },
    "domain_netbios": {
      "description": "domain_netbios",
      "type": "string"
    },
    "user": {
      "description": "user",
      "type": "string"
    },
    "password": {
      "description": "password",
      "type": "string",
      "format": "password"
    },
    "ou": {
      "description": "OU",
      "type": "string"
    },
    "search_trusted_domains": {
      "description": "Allows the cluster to search trusted domains for user informat
ion.",
      "type": "boolean"
    },
    "use_ad_posix_attributes": {
      "description": "Use AD POSIX attributes",
      "type": "boolean"
    },
    "base_dn": {
      "description": "Base DN",
      "type": "string"
    },
    "dns_config_id": {
      "description": "The unique ID of the DNS configuration to use for joining thi
s AD domain",
      "type": "number"
    }
  }
}

```

## Response

### Codes

Code	Description
202	Return value on success

# ad/leave

## Endpoint

/v1/ad/leave

## POST

Removes the cluster from Active Directory.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "description": "ad_domain_leave_args",
  "type": "object",
  "properties": {
    "domain": {
      "description": "domain",
      "type": "string"
    },
    "user": {
      "description": "user",
      "type": "string"
    },
    "password": {
      "description": "password",
      "type": "string",
      "format": "password"
    },
    "dns_config_id": {
      "description": "The unique ID of the DNS configuration to use for leaving this AD domain",
      "type": "number"
    }
  }
}
```

### Response

### Codes

Code	Description
------	-------------

202	Return value on success
-----	-------------------------

# ad/monitor

## Endpoint

`/v1/ad/monitor`

## GET

Gets details on a join or leave operation.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "ad_domain_monitor",
  "type": "object",
  "properties": {
    "status": {
      "type": "string",
      "enum": [
        "LEAVE_SUCCEEDED",
        "JOIN_SUCCEEDED",
        "LEAVE_FAILED",
        "JOIN_FAILED",
        "LEAVE_IN_PROGRESS",
        "JOIN_IN_PROGRESS",
        "RECONFIGURE_IN_PROGRESS"
      ],
      "description": "status:\n * `JOIN_FAILED` - JOIN_FAILED,\n * `JOIN_IN_PROGRESS` - JOIN_IN_PROGRESS,\n * `JOIN_SUCCEEDED` - JOIN_SUCCEEDED,\n * `LEAVE_FAILED` - LEAVE_FAILED,\n * `LEAVE_IN_PROGRESS` - LEAVE_IN_PROGRESS,\n * `LEAVE_SUCCEEDED` - LEAVE_SUCCEEDED,\n * `RECONFIGURE_IN_PROGRESS` - RECONFIGURE_IN_PROGRESS"
    },
    "last_error": {
      "description": "last_error",
      "type": "object",
      "properties": {
        "module": {
          "description": "module",
          "type": "string"
        },
        "error_class": {
          "description": "error_class",
          "type": "string"
        },
        "description": {
          "description": "description",
          "type": "string"
        },
        "stack": {
          "description": "stack",
          "type": "string"
        },
        "user_visible": {
          "description": "user_visible",
          "type": "boolean"
        }
      }
    }
  }
},

```

```
"last_action_time": {
  "description": "last_action_time",
  "type": "string"
},
"id": {
  "description": "id",
  "type": "number"
},
"domain": {
  "description": "domain",
  "type": "string"
},
"domain_netbios": {
  "description": "domain_netbios",
  "type": "string"
},
"ou": {
  "description": "ou",
  "type": "string"
},
"search_trusted_domains": {
  "description": "search_trusted_domains",
  "type": "boolean"
},
"use_ad_posix_attributes": {
  "description": "use_ad_posix_attributes",
  "type": "boolean"
},
"base_dn": {
  "description": "base_dn",
  "type": "string"
}
}
}
```



# ad/reconfigure

## Endpoint

/v1/ad/reconfigure

## POST

Enables/disables POSIX attributes, sets Base DN.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "description": "ad_domain_reconfigure_args",
  "type": "object",
  "properties": {
    "domain": {
      "description": "domain",
      "type": "string"
    },
    "search_trusted_domains": {
      "description": "Allows the cluster to search trusted domains for user information.",
      "type": "boolean"
    },
    "use_ad_posix_attributes": {
      "description": "use_ad_posix_attributes",
      "type": "boolean"
    },
    "base_dn": {
      "description": "base_dn",
      "type": "string"
    },
    "dns_config_id": {
      "description": "The unique ID of the DNS configuration to use for reconfiguring this AD domain",
      "type": "number"
    }
  }
}
```

## Response

### Codes

Code	Description
202	Return value on success

# ad/settings

## Endpoint

`/v1/ad/settings`

## GET

Gets advanced Active Directory settings.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "ad_settings",
  "type": "object",
  "properties": {
    "signing": {
      "type": "string",
      "enum": [
        "NO_SIGNING",
        "WANT_SIGNING",
        "REQUIRE_SIGNING"
      ],
      "description": "Setting for DCERPC signing; only use if sealing is not negotiated:\n * `NO_SIGNING` - Do not use DCERPC signing.,\n * `REQUIRE_SIGNING` - Require the use of DCERPC signing.,\n * `WANT_SIGNING` - Prefer to use DCERPC signing; allow server to decide."
    },
    "sealing": {
      "type": "string",
      "enum": [
        "NO_SEALING",
        "WANT_SEALING",
        "REQUIRE_SEALING"
      ],
      "description": "Setting for DCERPC sealing.:\n * `NO_SEALING` - Do not use sealing.,\n * `REQUIRE_SEALING` - Require the use of sealing.,\n * `WANT_SEALING` - Prefer to use sealing; allow server to decide."
    },
    "crypto": {
      "type": "string",
      "enum": [
        "NO_AES",
        "WANT_AES",
        "REQUIRE_AES"
      ],
      "description": "Setting for authenticator and sealing crypto.:\n * `NO_AES` - Do not use AES.,\n * `REQUIRE_AES` - Require the use of AES.,\n * `WANT_AES` - Prefer use of AES; allow server to decide."
    }
  }
}
```

## PUT

Sets advanced Active Directory settings.

## Parameters

Name	Description	Required
<b>If-Match</b>	Etag for expected version	No

## Request

### Schema

```
{
  "description": "ad_settings",
  "type": "object",
  "properties": {
    "signing": {
      "type": "string",
      "enum": [
        "NO_SIGNING",
        "WANT_SIGNING",
        "REQUIRE_SIGNING"
      ],
      "description": "Setting for DCERPC signing; only use if sealing is not negotiated:\n * `NO_SIGNING` - Do not use DCERPC signing.,\n * `REQUIRE_SIGNING` - Require the use of DCERPC signing.,\n * `WANT_SIGNING` - Prefer to use DCERPC signing; allow server to decide."
    },
    "sealing": {
      "type": "string",
      "enum": [
        "NO_SEALING",
        "WANT_SEALING",
        "REQUIRE_SEALING"
      ],
      "description": "Setting for DCERPC sealing.:\n * `NO_SEALING` - Do not use sealing.,\n * `REQUIRE_SEALING` - Require the use of sealing.,\n * `WANT_SEALING` - Prefer to use sealing; allow server to decide."
    },
    "crypto": {
      "type": "string",
      "enum": [
        "NO_AES",
        "WANT_AES",
        "REQUIRE_AES"
      ],
      "description": "Setting for authenticator and sealing crypto.:\n * `NO_AES` - Do not use AES.,\n * `REQUIRE_AES` - Require the use of AES.,\n * `WANT_AES` - Prefer use of AES; allow server to decide."
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "ad_settings",
  "type": "object",
  "properties": {
    "signing": {
      "type": "string",
      "enum": [
        "NO_SIGNING",
        "WANT_SIGNING",
        "REQUIRE_SIGNING"
      ],
      "description": "Setting for DCERPC signing; only use if sealing is not negotiated:\n * `NO_SIGNING` - Do not use DCERPC signing.,\n * `REQUIRE_SIGNING` - Require the use of DCERPC signing.,\n * `WANT_SIGNING` - Prefer to use DCERPC signing; allow server to decide."
    },
    "sealing": {
      "type": "string",
      "enum": [
        "NO_SEALING",
        "WANT_SEALING",
        "REQUIRE_SEALING"
      ],
      "description": "Setting for DCERPC sealing.:\n * `NO_SEALING` - Do not use sealing.,\n * `REQUIRE_SEALING` - Require the use of sealing.,\n * `WANT_SEALING` - Prefer to use sealing; allow server to decide."
    },
    "crypto": {
      "type": "string",
      "enum": [
        "NO_AES",
        "WANT_AES",
        "REQUIRE_AES"
      ],
      "description": "Setting for authenticator and sealing crypto.:\n * `NO_AES` - Do not use AES.,\n * `REQUIRE_AES` - Require the use of AES.,\n * `WANT_AES` - Prefer use of AES; allow server to decide."
    }
  }
}
```



# ad/sids/{sid}/expanded-groups/

## Endpoint

`/v1/ad/sids/{sid}/expanded-groups/`

## GET

Return the SIDs of all the groups that the given SID is a member of, (including all nested groups).

## Parameters

Name	Description	Required
<code>sid</code>	The SID to use to look up the SIDs of all the groups that this SID belongs to (this includes all nested groups).	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_ad_group_sid",
    "type": "object",
    "properties": {
      "sid": {
        "description": "sid",
        "type": "string"
      }
    }
  }
}
```

# ad/sids/{sid}/gid

## Endpoint

`/v1/ad/sids/{sid}/gid`

## GET

Return the GID for the given group SID as found by issuing an AD query against the current domain the cluster is joined to.

## Parameters

Name	Description	Required
<code>sid</code>	The group SID to use to look up a GID	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_ad_gid",
  "type": "object",
  "properties": {
    "gid": {
      "description": "gid",
      "type": "number"
    }
  }
}
```

# ad/sids/{sid}/object

## Endpoint

`/v1/ad/sids/{sid}/object`

## GET

Return the AD account object that has the given SID.

### Parameters

Name	Description	Required
<code>sid</code>	The SID to use to look up an AD user or group.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "ad_ldap_object",
  "type": "object",
  "properties": {
    "dn": {
      "description": "dn",
      "type": "string"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "name": {
      "description": "name",
      "type": "string"
    },
    "groups": {
      "type": "array",
      "items": {
        "description": "groups",
        "type": "string"
      }
    },
    "primary_group_sid": {
      "description": "primary_group_sid",
      "type": "string"
    },
    "classes": {
      "type": "array",
      "items": {
        "description": "classes",
        "type": "string"
      }
    }
  }
}
```

# ad/sids/{sid}/uid

## Endpoint

`/v1/ad/sids/{sid}/uid`

## GET

Return the UID for the given SID as found by issuing an AD query against the current domain the cluster is joined to.

## Parameters

Name	Description	Required
<code>sid</code>	The SID to use to look up a UID	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_ad_uid",
  "type": "object",
  "properties": {
    "uid": {
      "description": "uid",
      "type": "number"
    }
  }
}
```

# ad/sids/{sid}/username

## Endpoint

`/v1/ad/sids/{sid}/username`

## GET

Return the Username for the given SID as found by querying the domain controller for the domain the cluster is joined to.

## Parameters

Name	Description	Required
<code>sid</code>	The SID to use to lookup a username	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{  
  "type": "string"  
}
```

# ad/status

## Endpoint

`/v1/ad/status`

## GET

Get Active Directory configuration and status.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_ad_status",
  "type": "object",
  "properties": {
    "status": {
      "type": "string",
      "enum": [
        "NOT_IN_DOMAIN",
        "JOINED_TO_DOMAIN"
      ],
      "description": "status:\n * `JOINED_TO_DOMAIN` - JOINED_TO_DOMAIN,\n * `NOT_I
N_DOMAIN` - NOT_IN_DOMAIN"
    },
    "domain": {
      "description": "domain",
      "type": "string"
    },
    "ou": {
      "description": "ou",
      "type": "string"
    },
    "search_trusted_domains": {
      "description": "search_trusted_domains",
      "type": "boolean"
    },
    "use_ad_posix_attributes": {
      "description": "use_ad_posix_attributes",
      "type": "boolean"
    },
    "base_dn": {
      "description": "base_dn",
      "type": "string"
    },
    "domain_netbios": {
      "description": "domain_netbios",
      "type": "string"
    },
    "dcs": {
      "type": "array",
      "items": {
        "description": "dcs",
        "type": "object",
        "properties": {
          "name": {
            "description": "name",
            "type": "string"
          }
        }
      }
    }
  }
}

```

```

    },
    "address": {
      "description": "address",
      "type": "string"
    }
  }
},
"ldap_connection_states": {
  "type": "array",
  "items": {
    "description": "ldap_connection_states",
    "type": "object",
    "properties": {
      "node_id": {
        "description": "node_id",
        "type": "number"
      },
      "servers": {
        "type": "array",
        "items": {
          "description": "servers",
          "type": "object",
          "properties": {
            "bind_uri": {
              "description": "bind_uri",
              "type": "string"
            },
            "kdc_address": {
              "description": "kdc_address",
              "type": "string"
            }
          }
        }
      }
    }
  },
  "bind_domain": {
    "description": "bind_domain",
    "type": "string"
  },
  "bind_account": {
    "description": "bind_account",
    "type": "string"
  },
  "base_dn_vec": {
    "type": "array",
    "items": {

```

```
        "description": "base_dn_vec",
        "type": "string"
    }
},
"health": {
    "type": "string",
    "enum": [
        "NO_RECENT_ERROR",
        "INTERMITTENT_ERROR",
        "SUSTAINED_ERROR"
    ],
    "description": "health:\n * `INTERMITTENT_ERROR` - LDAP_HEALTH_INTERMITTENT_ERROR,\n * `NO_RECENT_ERROR` - LDAP_HEALTH_NO_RECENT_ERROR,\n * `SUSTAINED_ERROR` - LDAP_HEALTH_SUSTAINED_ERROR"
}
}
}
}
```

# ad/uids/{uid}/sids/

## Endpoint

`/v1/ad/uids/{uid}/sids/`

## GET

Return the SIDs for the given UID as found by issuing an AD query against the current domain the cluster is joined to.

### Parameters

Name	Description	Required
<code>uid</code>	The UID to use to look up its SIDs	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "type": "array",
  "items": {
    "type": "string"
  }
}
```

# ad/usernames/{username}/objects/

## Endpoint

`/v1/ad/usernames/{username}/objects/`

## GET

Return any AD account objects that have the given sAMAccountName.

### Parameters

Name	Description	Required
<code>username</code>	The sAMAccountName to use to look up AD users or groups.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "type": "array",
  "items": {
    "description": "ad_ldap_object",
    "type": "object",
    "properties": {
      "dn": {
        "description": "dn",
        "type": "string"
      },
      "sid": {
        "description": "sid",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {
        "description": "gid",
        "type": "number"
      },
      "name": {
        "description": "name",
        "type": "string"
      },
      "groups": {
        "type": "array",
        "items": {
          "description": "groups",
          "type": "string"
        }
      },
      "primary_group_sid": {
        "description": "primary_group_sid",
        "type": "string"
      },
      "classes": {
        "type": "array",
        "items": {
          "description": "classes",
          "type": "string"
        }
      }
    }
  }
}

```

}



# ad/usernames/{username}/sids/

## Endpoint

`/v1/ad/usernames/{username}/sids/`

## GET

Return the SIDs for the given username as found by querying the domain controller for the domain the cluster is joined to.

### Parameters

Name	Description	Required
<code>username</code>	The username to use to look up SIDs	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "type": "array",
  "items": {
    "type": "string"
  }
}
```

# analytics/activity/current

## Endpoint

`/v1/analytics/activity/current`

## GET

Returns the current sampled IOPS and throughput from the cluster.

### Parameters

Name	Description	Required
<code>type</code>	Filters activity to a specific type. If not specified, all activity is returned.: * `file-iops-read` - file-iops-read, * `file-iops-write` - file-iops-write, * `file-throughput-read` - file-throughput-read, * `file-throughput-write` - file-throughput-write, * `metadata-iops-read` - metadata-iops-read, * `metadata-iops-write` - metadata-iops-write	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_rates",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "entries",
        "type": "object",
        "properties": {
          "id": {
            "description": "id",
            "type": "string"
          },
          "ip": {
            "description": "ip",
            "type": "string"
          },
          "rate": {
            "description": "rate",
            "type": "number"
          },
          "type": {
            "type": "string",
            "enum": [
              "file-iops-read",
              "file-iops-write",
              "metadata-iops-read",
              "metadata-iops-write",
              "file-throughput-read",
              "file-throughput-write"
            ],
            "description": "type:\n * `file-iops-read` - HEAT_OP_TYPE_FILE_IOPS_READ,\n * `file-iops-write` - HEAT_OP_TYPE_FILE_IOPS_WRITE,\n * `file-throughput-read` - HEAT_OP_TYPE_FILE_THROUGHPUT_READ,\n * `file-throughput-write` - HEAT_OP_TYPE_FILE_THROUGHPUT_WRITE,\n * `metadata-iops-read` - HEAT_OP_TYPE_METADATA_IOPS_READ,\n * `metadata-iops-write` - HEAT_OP_TYPE_METADATA_IOPS_WRITE"
          }
        }
      }
    }
  }
}
```

# analytics/capacity-history/

## Endpoint

`/v1/analytics/capacity-history/`

## GET

Returns capacity history data for the cluster. Does not return entries for timeslots without capacity data. Returned history data will be sorted by ascending time.

### Parameters

Name	Description	Required
<code>begin-time</code>	Lower bound on history returned, in RFC 3339 format or epoch seconds.	Yes
<code>end-time</code>	Upper bound on history returned, in RFC 3339 format or epoch seconds. If not specified, defaults to the current system time.	No
<code>interval</code>	Sampling interval. If not specified, defaults to 'hourly': * `daily` - daily, * `hourly` - hourly, * `weekly` - weekly	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "overall_historical_capacity",
    "type": "object",
    "properties": {
      "period_start_time": {
        "description": "period_start_time",
        "type": "number"
      },
      "capacity_used": {
        "description": "capacity_used",
        "type": "string"
      },
      "data_used": {
        "description": "data_used",
        "type": "string"
      },
      "metadata_used": {
        "description": "metadata_used",
        "type": "string"
      },
      "snapshot_used": {
        "description": "snapshot_used",
        "type": "string"
      },
      "total_usable": {
        "description": "total_usable",
        "type": "string"
      },
      "details_status": {
        "type": "string",
        "enum": [
          "AVAILABLE",
          "UNAVAILABLE",
          "PENDING"
        ],
        "description": "details_status:\n * `AVAILABLE` - DETAILED_PATH_CAPACITY_AVAILABLE,\n * `PENDING` - DETAILED_PATH_CAPACITY_PENDING,\n * `UNAVAILABLE` - DETAILED_PATH_CAPACITY_UNAVAILABLE"
      }
    }
  }
}
```

# analytics/capacity-history/{timestamp}/

## Endpoint

`/v1/analytics/capacity-history/{timestamp}/`

## GET

Returns all paths using more than 0.1% of overall used capacity at a given timestamp. A path that meets the threshold with many items smaller than the threshold will be aggregated. Individual items above the threshold will be reported separately.

## Parameters

Name	Description	Required
<code>timestamp</code>	Time in epoch seconds	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "historical_capacity_details",
  "type": "object",
  "properties": {
    "threshold_for_inclusion": {
      "description": "threshold_for_inclusion",
      "type": "string"
    },
    "status": {
      "type": "string",
      "enum": [
        "AVAILABLE",
        "UNAVAILABLE",
        "PENDING"
      ],
      "description": "status:\n * `AVAILABLE` - DETAILED_PATH_CAPACITY_AVAILABLE,\n * `PENDING` - DETAILED_PATH_CAPACITY_PENDING,\n * `UNAVAILABLE` - DETAILED_PATH_CAPACITY_UNAVAILABLE"
    },
    "largest_paths": {
      "type": "array",
      "items": {
        "description": "largest_paths",
        "type": "object",
        "properties": {
          "capacity_used": {
            "description": "capacity_used",
            "type": "string"
          },
          "path": {
            "description": "path",
            "type": "string"
          }
        }
      }
    }
  }
}
```

# analytics/time-series/

## Endpoint

`/v1/analytics/time-series/`

## GET

Returns all time series data maintained by the cluster.

### Parameters

Name	Description	Required
<code>begin-time</code>	Lower bound on intervals returned, in RFC 3339 format or epoch seconds. If not specified, defaults to the current system time.	No

### Response

#### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_time_series_dataset",
    "type": "object",
    "properties": {
      "id": {
        "description": "id",
        "type": "string"
      },
      "times": {
        "type": "array",
        "items": {
          "description": "times",
          "type": "number"
        }
      },
      "values": {
        "type": "array",
        "items": {
          "description": "values",
          "type": "number"
        }
      }
    }
  }
}
```

# audit/cloudwatch/config

## Endpoint

`/v1/audit/cloudwatch/config`

## GET

Retrieves audit log CloudWatch configuration for the cluster.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

#### Schema

```
{
  "description": "cloudwatch_audit_user_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "enabled",
      "type": "boolean"
    },
    "log_group_name": {
      "description": "log_group_name",
      "type": "string"
    },
    "region": {
      "description": "region",
      "type": "string"
    }
  }
}
```

## PUT

Sets audit log CloudWatch configuration for the cluster.

## Parameters

Name	Description	Required
If-Match	ETag for expected version	No

## Request

### Schema

```
{
  "description": "cloudwatch_audit_user_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "enabled",
      "type": "boolean"
    },
    "log_group_name": {
      "description": "log_group_name",
      "type": "string"
    },
    "region": {
      "description": "region",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "cloudwatch_audit_user_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "enabled",
      "type": "boolean"
    },
    "log_group_name": {
      "description": "log_group_name",
      "type": "string"
    },
    "region": {
      "description": "region",
      "type": "string"
    }
  }
}
```

## PATCH

Modifies audit log CloudWatch configuration for the cluster.

### Parameters

Name	Description	Required
<b>If-Match</b>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "cloudwatch_audit_user_config_delta",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "enabled",
      "type": "boolean"
    },
    "log_group_name": {
      "description": "log_group_name",
      "type": "string"
    },
    "region": {
      "description": "region",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "cloudwatch_audit_user_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "enabled",
      "type": "boolean"
    },
    "log_group_name": {
      "description": "log_group_name",
      "type": "string"
    },
    "region": {
      "description": "region",
      "type": "string"
    }
  }
}
```

# audit/cloudwatch/status

## Endpoint

`/v1/audit/cloudwatch/status`

## GET

Retrieves audit log CloudWatch status for the cluster.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

# audit/syslog/config

## Endpoint

`/v1/audit/syslog/config`

## GET

Retrieves audit log syslog configuration for the cluster.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "syslog_audit_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Enable remote audit log.",
      "type": "boolean"
    },
    "server_address": {
      "description": "The IP address, hostname, or fully qualified domain name of your remote syslog server.",
      "type": "string"
    },
    "server_port": {
      "description": "server_port",
      "type": "number"
    },
    "local_enabled": {
      "description": "Enable per-node local audit log.",
      "type": "boolean"
    },
    "format": {
      "type": "string",
      "enum": [
        "csv",
        "json"
      ],
      "description": "Output syslog as CSV or JSON.:\\n * `csv` - SYSLOG_AUDIT_FORMAT_CSV,\\n * `json` - SYSLOG_AUDIT_FORMAT_JSON"
    }
  }
}
```

## PUT

Modifies audit log syslog configuration for the cluster.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

## Request

### Schema

```
{
  "description": "syslog_audit_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Enable remote audit log.",
      "type": "boolean"
    },
    "server_address": {
      "description": "The IP address, hostname, or fully qualified domain name of your remote syslog server.",
      "type": "string"
    },
    "server_port": {
      "description": "server_port",
      "type": "number"
    },
    "local_enabled": {
      "description": "Enable per-node local audit log.",
      "type": "boolean"
    },
    "format": {
      "type": "string",
      "enum": [
        "csv",
        "json"
      ],
      "description": "Output syslog as CSV or JSON.:\\n * `csv` - SYSLOG_AUDIT_FORMAT_CSV,\\n * `json` - SYSLOG_AUDIT_FORMAT_JSON"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "syslog_audit_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Enable remote audit log.",
      "type": "boolean"
    },
    "server_address": {
      "description": "The IP address, hostname, or fully qualified domain name of your remote syslog server.",
      "type": "string"
    },
    "server_port": {
      "description": "server_port",
      "type": "number"
    },
    "local_enabled": {
      "description": "Enable per-node local audit log.",
      "type": "boolean"
    },
    "format": {
      "type": "string",
      "enum": [
        "csv",
        "json"
      ],
      "description": "Output syslog as CSV or JSON.:\\n * `csv` - SYSLOG_AUDIT_FORMAT_CSV,\\n * `json` - SYSLOG_AUDIT_FORMAT_JSON"
    }
  }
}
```

## PATCH

Modifies audit log syslog configuration for the cluster.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

## Request

### Schema

```
{
  "description": "syslog_audit_config_delta",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Enable remote audit log.",
      "type": "boolean"
    },
    "server_address": {
      "description": "The IP address, hostname, or fully qualified domain name of your remote syslog server.",
      "type": "string"
    },
    "server_port": {
      "description": "server_port",
      "type": "number"
    },
    "local_enabled": {
      "description": "Enable per-node local audit log.",
      "type": "boolean"
    },
    "format": {
      "type": "string",
      "enum": [
        "csv",
        "json"
      ],
      "description": "Output syslog as CSV or JSON.:\\n * `csv` - SYSLOG_AUDIT_FORMAT_CSV,\\n * `json` - SYSLOG_AUDIT_FORMAT_JSON"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "syslog_audit_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Enable remote audit log.",
      "type": "boolean"
    },
    "server_address": {
      "description": "The IP address, hostname, or fully qualified domain name of your remote syslog server.",
      "type": "string"
    },
    "server_port": {
      "description": "server_port",
      "type": "number"
    },
    "local_enabled": {
      "description": "Enable per-node local audit log.",
      "type": "boolean"
    },
    "format": {
      "type": "string",
      "enum": [
        "csv",
        "json"
      ],
      "description": "Output syslog as CSV or JSON.:\n * `csv` - SYSLOG_AUDIT_FORMAT_CSV,\n * `json` - SYSLOG_AUDIT_FORMAT_JSON"
    }
  }
}
```

# audit/syslog/status

## Endpoint

`/v1/audit/syslog/status`

## GET

Retrieves the syslog connection status of audit log.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "syslog_audit_log_status",
  "type": "object",
  "properties": {
    "connection_status": {
      "type": "string",
      "enum": [
        "AUDIT_LOG_CONNECTED",
        "AUDIT_LOG_CONNECTING",
        "AUDIT_LOG_DISABLED",
        "AUDIT_LOG_DISCONNECTED"
      ],
      "description": "The current connection status of the audit logger.:\\n * `AUDIT_LOG_CONNECTED` - AUDIT_LOG_CONNECTED,\\n * `AUDIT_LOG_CONNECTING` - AUDIT_LOG_CONNECTING,\\n * `AUDIT_LOG_DISABLED` - AUDIT_LOG_DISABLED,\\n * `AUDIT_LOG_DISCONNECTED` - AUDIT_LOG_DISCONNECTED"
    },
    "error_message": {
      "description": "The current error, if audit is disconnected.",
      "type": "string"
    },
    "error_details": {
      "description": "Internal details for the current error, if audit is disconnected.",
      "type": "string"
    }
  }
}
```

# cluster/calculate-node-add-capacity

## Endpoint

`/v1/cluster/calculate-node-add-capacity`

## POST

Calculate changes to cluster usable capacity from a proposed node-add operation. This endpoint is deprecated in favor of `/v2/cluster/nodes/dry-run`.

## Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_cluster_calculate_node_add_capacity_request",
  "type": "object",
  "properties": {
    "node_uuids": {
      "type": "array",
      "items": {
        "description": "Identifiers of nodes to add to existing cluster",
        "type": "string"
      }
    },
    "node_ips": {
      "type": "array",
      "items": {
        "description": "IP addresses of nodes to add to existing cluster",
        "type": "string"
      }
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_cluster_calculate_node_add_capacity_response",
  "type": "object",
  "properties": {
    "new_usable_capacity_in_bytes": {
      "description": "The cluster's usable capacity (in bytes) after node-add operations",
      "type": "string"
    },
    "increase_from_current_usable_capacity_in_bytes": {
      "description": "The increase of the cluster's usable capacity (in bytes) after node-add operations",
      "type": "string"
    },
    "max_node_failures": {
      "description": "The maximum number of tolerable cluster node failures after node-add operations",
      "type": "number"
    },
    "node_add_capacity_optimized_for_fault_tolerance": {
      "description": "This field is only populated if it is possible to optimize the cluster for increased node fault tolerance instead of usable capacity during node-add operations. When populated, it shows the usable cluster capacity and node fault tolerance for the optimized cluster.",
      "type": "object",
      "properties": {
        "new_usable_capacity_in_bytes": {
          "description": "The cluster's usable capacity (in bytes) after node-add operations and optimization for increased node fault tolerance",
          "type": "string"
        },
        "increase_from_current_usable_capacity_in_bytes": {
          "description": "The increase of the cluster's usable capacity (in bytes) after node-add operations and optimization for increased node fault tolerance",
          "type": "string"
        },
        "max_node_failures": {
          "description": "The maximum number of tolerable cluster node failures after node-add operations and optimization for increased node fault tolerance",
          "type": "number"
        }
      }
    }
  }
}

```

# cluster/calculate-supported-protection-info

## Endpoint

`/v3/cluster/calculate-supported-protection-info`

## POST

Returns list of supported data protection stripe configuration(s). This includes the stripe width and usable capacity using that width. For use with unconfigured nodes only.

### Parameters

This resource has no parameters.

### Request

#### Schema

```
{
  "description": "api_supported_protection_info_request_v2",
  "type": "object",
  "properties": {
    "node_uuids": {
      "type": "array",
      "items": {
        "description": "List of unconfigured node UUIDs to query supported protection levels and capacities",
        "type": "string"
      }
    },
    "node_ips": {
      "type": "array",
      "items": {
        "description": "List of unconfigured node IPs to query supported protection levels and capacities",
        "type": "string"
      }
    }
  }
}
```

### Response

#### Codes

Code	Description
------	-------------

200

Return value on success

## Schema

```

{
  "description": "api_supported_protection_configs",
  "type": "object",
  "properties": {
    "supported_configs": {
      "type": "array",
      "items": {
        "description": "Vector of supported protection configurations",
        "type": "object",
        "properties": {
          "blocks_per_stripe": {
            "description": "Number of blocks per stripe for this stripe config",
            "type": "number"
          },
          "max_drive_failures": {
            "description": "Number of simultaneous drive failures supported for this stripe config",
            "type": "number"
          },
          "max_node_failures": {
            "description": "Number of simultaneous node failures supported for this stripe config",
            "type": "number"
          },
          "max_cluster_node_count": {
            "description": "The max amount of nodes supported to guarantee data safety with this stripe config",
            "type": "number"
          },
          "usable_capacity_in_bytes": {
            "description": "The usable capacity in bytes if the node/SKU configuration uses this stripe config",
            "type": "string"
          }
        }
      }
    }
  }
}

```

# cluster/create

## Endpoint

`/v2/cluster/create`

## POST

Form a cluster with the given set of node UUIDs and admin password.

## Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_cluster_creation_request_v2",
  "type": "object",
  "properties": {
    "eula_accepted": {
      "description": "User accepts the End User License Agreement",
      "type": "boolean"
    },
    "cluster_name": {
      "description": "Name of the cluster",
      "type": "string"
    },
    "node_uuids": {
      "type": "array",
      "items": {
        "description": "List of node uuids to form a cluster with",
        "type": "string"
      }
    },
    "node_ips": {
      "type": "array",
      "items": {
        "description": "List of node IPs to form a cluster with",
        "type": "string"
      }
    },
    "admin_password": {
      "description": "The administrator password",
      "type": "string",
      "format": "password"
    },
    "host_instance_id": {
      "description": "EC2 instance ID for the node handling this request",
      "type": "string"
    },
    "blocks_per_stripe": {
      "description": "Number of blocks per stripe in the cluster's erasure coding configuration",
      "type": "number"
    },
    "max_drive_failures": {
      "description": "The maximum number of drive failures this cluster will be able to sustain",
      "type": "number"
    },
    "max_node_failures": {

```

```
    "description": "The maximum number of node failures this cluster will be able  
to sustain",  
    "type": "number"  
  }  
}  
}
```

## Response

### Codes

Code	Description
202	Return value on success



# cluster/node-replacement-plan/

## Endpoint

`/v1/cluster/node-replacement-plan/`

## GET

Get the current node replacement plan. This plan lists the nodes pending replacement and nodes currently in process of being replaced.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_node_replacement_plan",
  "type": "object",
  "properties": {
    "nodes_to_be_replaced": {
      "type": "array",
      "items": {
        "description": "Nodes selected for replacement.",
        "type": "number"
      }
    },
    "nodes_currently_being_replaced": {
      "type": "array",
      "items": {
        "description": "Nodes currently in process of being replaced.",
        "type": "number"
      }
    },
    "target_stripe_config": {
      "description": "The target EC stripe config. If this value is empty, it indicates that the cluster's stripe config will remain unchanged throughout the node replacement.",
      "type": "object",
      "properties": {
        "blocks_per_stripe": {
          "description": "Number of blocks per EC stripe including parity.",
          "type": "number"
        },
        "data_blocks_per_stripe": {
          "description": "The number of data blocks per stripe.",
          "type": "number"
        }
      }
    }
  }
}
```

## POST

To initiate node replacement, specify the nodes to replace.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_cluster_node_replacement_request",
  "type": "object",
  "properties": {
    "nodes_to_be_replaced": {
      "type": "array",
      "items": {
        "description": "Nodes selected for replacement.",
        "type": "number"
      }
    },
    "target_stripe_config": {
      "description": "The optional target EC stripe config.",
      "type": "object",
      "properties": {
        "blocks_per_stripe": {
          "description": "Number of blocks per EC stripe including parity.",
          "type": "number"
        },
        "data_blocks_per_stripe": {
          "description": "The number of data blocks per stripe.",
          "type": "number"
        }
      }
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

# cluster/nodes/

## Endpoint

`/v1/cluster/nodes/`

## GET

List nodes.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_node",
    "type": "object",
    "properties": {
      "id": {
        "description": "id",
        "type": "number"
      },
      "node_status": {
        "description": "Status of the node",
        "type": "string"
      },
      "node_name": {
        "description": "User friendly node name",
        "type": "string"
      },
      "uuid": {
        "description": "Unique node identifier",
        "type": "string"
      },
      "label": {
        "description": "Physically identifiable label assigned to the hardware",
        "type": "string"
      },
      "model_number": {
        "description": "Node model number",
        "type": "string"
      },
      "serial_number": {
        "description": "Serial number",
        "type": "string"
      },
      "mac_address": {
        "description": "MAC address for the first network interface on this node",
        "type": "string"
      }
    }
  }
}
```

## POST

Add one or more unconfigured nodes with the given node uuids and admin password. This

endpoint is deprecated in favor of `/v2/cluster/nodes`.

## Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_cluster_nodes_modify_request_v1",
  "type": "object",
  "properties": {
    "node_uuids": {
      "type": "array",
      "items": {
        "description": "Identifiers of nodes to add to existing cluster",
        "type": "string"
      }
    },
    "node_ips": {
      "type": "array",
      "items": {
        "description": "IP addresses of nodes to add to existing cluster",
        "type": "string"
      }
    },
    "optimize_node_fault_tolerance_over_usable_capacity": {
      "description": "True to trade-off some increase in usable capacity for increased node fault tolerance. Defaults to False.",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
202	Return value on success

# cluster/nodes/

## Endpoint

`/v2/cluster/nodes/`

## POST

Modify the composition of the cluster by adding unconfigured nodes or replacing configured nodes.

## Parameters

This resource has no parameters.

Request  
Schema



```

{
  "description": "api_cluster_nodes_modify_request_v2",
  "type": "object",
  "properties": {
    "node_uuids": {
      "type": "array",
      "items": {
        "description": "The UUIDs of the unconfigured nodes to add to the cluster",
        "type": "string"
      }
    },
    "node_ips": {
      "type": "array",
      "items": {
        "description": "The IP addresses of the unconfigured nodes to add to the cluster",
        "type": "string"
      }
    },
    "nodes_to_replace": {
      "type": "array",
      "items": {
        "description": "The configured nodes to replace. Note: These nodes must be a subset of the node replacement plan.",
        "type": "number"
      }
    },
    "target_max_node_failures": {
      "description": "The minimum node-fault-tolerance level for the resulting cluster configuration. Note: In certain cases, a lower node-fault-tolerance level can result in higher usable capacity.",
      "type": "number"
    },
    "target_stripe_config": {
      "description": "The final stripe configuration to use.",
      "type": "object",
      "properties": {
        "blocks_per_stripe": {
          "description": "Number of blocks per EC stripe including parity.",
          "type": "number"
        },
        "data_blocks_per_stripe": {
          "description": "The number of data blocks per stripe.",
          "type": "number"
        }
      }
    }
  }
}

```

```
}  
}  
}
```

## Response

### Codes

Code	Description
202	Return value on success

# cluster/nodes/chassis/

## Endpoint

`/v1/cluster/nodes/chassis/`

## GET

List the status of the chassis for nodes. This API is deprecated in favor of `/v1/cluster/nodes/uid-lights` and `/v2/metrics/endpoints/default/data` for PSU information

## Parameters

This resource has no parameters.

## Response

## Codes

Code	Description
200	Return value on success

Schema

```

{
  "type": "array",
  "items": {
    "description": "api_node_chassis",
    "type": "object",
    "properties": {
      "id": {
        "description": "id",
        "type": "number"
      },
      "light_visible": {
        "description": "Visibility of the node identifier light",
        "type": "boolean"
      },
      "psu_statuses": {
        "type": "array",
        "items": {
          "description": "psu_statuses",
          "type": "object",
          "properties": {
            "name": {
              "description": "name",
              "type": "string"
            },
            "state": {
              "type": "string",
              "enum": [
                "UNKNOWN",
                "MISSING",
                "NO AC",
                "GOOD",
                "FAILED",
                "PREFAIL"
              ],
              "description": "state:\n * `FAILED` - PSU_STATE_FAILED,\n * `GOOD` - P
SU_STATE_GOOD,\n * `MISSING` - PSU_STATE_MISSING,\n * `NO AC` - PSU_STATE_NO_AC,\n
* `PREFAIL` - PSU_STATE_PREFAIL,\n * `UNKNOWN` - PSU_STATE_UNKNOWN"
            },
            "location": {
              "type": "string",
              "enum": [
                "right",
                "left",
                "top",
                "bottom"
              ],
            },
          }
        }
      }
    }
  }
}

```

```
        "description": "location:\n * `bottom` - PSU_LOCATION_BOTTOM,\n * `left` - PSU_LOCATION_LEFT,\n * `right` - PSU_LOCATION_RIGHT,\n * `top` - PSU_LOCATION_TOP"
    }
  }
}
}
```

# cluster/nodes/dry-run

## Endpoint

`/v2/cluster/nodes/dry-run`

## POST

Validate a node-add operation or node replacement step and, if it succeeds, return the projected usable capacity and node fault tolerance level.

## Parameters

This resource has no parameters.

Request  
Schema



```

{
  "description": "api_cluster_nodes_modify_request_v2",
  "type": "object",
  "properties": {
    "node_uuids": {
      "type": "array",
      "items": {
        "description": "The UUIDs of the unconfigured nodes to add to the cluster",
        "type": "string"
      }
    },
    "node_ips": {
      "type": "array",
      "items": {
        "description": "The IP addresses of the unconfigured nodes to add to the cluster",
        "type": "string"
      }
    },
    "nodes_to_replace": {
      "type": "array",
      "items": {
        "description": "The configured nodes to replace. Note: These nodes must be a subset of the node replacement plan.",
        "type": "number"
      }
    },
    "target_max_node_failures": {
      "description": "The minimum node-fault-tolerance level for the resulting cluster configuration. Note: In certain cases, a lower node-fault-tolerance level can result in higher usable capacity.",
      "type": "number"
    },
    "target_stripe_config": {
      "description": "The final stripe configuration to use.",
      "type": "object",
      "properties": {
        "blocks_per_stripe": {
          "description": "Number of blocks per EC stripe including parity.",
          "type": "number"
        },
        "data_blocks_per_stripe": {
          "description": "The number of data blocks per stripe.",
          "type": "number"
        }
      }
    }
  }
}

```

```
}  
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{  
  "description": "api_cluster_nodes_modify_dry_run_response",  
  "type": "object",  
  "properties": {  
    "current_capacity": {  
      "description": "The cluster's current usable capacity (in bytes)",  
      "type": "string"  
    },  
    "current_max_node_failures": {  
      "description": "The cluster's current node-fault-tolerance level",  
      "type": "number"  
    },  
    "projected_capacity": {  
      "description": "The cluster's usable capacity (in bytes) after the operation",  
      "type": "string"  
    },  
    "projected_max_node_failures": {  
      "description": "The cluster's node-fault-tolerance level after the operation",  
      "type": "number"  
    }  
  }  
}
```

# cluster/nodes/uid-lights/

## Endpoint

`/v1/cluster/nodes/uid-lights/`

## GET

List the status of the identification lights for nodes.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "type": "array",
  "items": {
    "description": "api_node_uid_light_status",
    "type": "object",
    "properties": {
      "id": {
        "description": "Integer ID of the node being reported.",
        "type": "number"
      },
      "light_visible": {
        "description": "Visibility of the node identification light",
        "type": "boolean"
      }
    }
  }
}
```

# cluster/nodes/{id}

## Endpoint

`/v1/cluster/nodes/{id}`

## GET

Retrieve node-specific info, such as serial number, mac address, uuid, etc

### Parameters

Name	Description	Required
<code>id</code>	The unique ID of the node	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_node",
  "type": "object",
  "properties": {
    "id": {
      "description": "id",
      "type": "number"
    },
    "node_status": {
      "description": "Status of the node",
      "type": "string"
    },
    "node_name": {
      "description": "User friendly node name",
      "type": "string"
    },
    "uuid": {
      "description": "Unique node identifier",
      "type": "string"
    },
    "label": {
      "description": "Physically identifiable label assigned to the hardware",
      "type": "string"
    },
    "model_number": {
      "description": "Node model number",
      "type": "string"
    },
    "serial_number": {
      "description": "Serial number",
      "type": "string"
    },
    "mac_address": {
      "description": "MAC address for the first network interface on this node",
      "type": "string"
    }
  }
}
```

# cluster/nodes/{id}/chassis

## Endpoint

`/v1/cluster/nodes/{id}/chassis`

## GET

List the status of the chassis for a node. This API is deprecated in favor of `/v1/cluster/nodes//uid-light` and `/v2/metrics/endpoints/default/data` for PSU information

## Parameters

Name	Description	Required
<code>id</code>	The unique ID of the node	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_node_chassis",
  "type": "object",
  "properties": {
    "id": {
      "description": "id",
      "type": "number"
    },
    "light_visible": {
      "description": "Visibility of the node identifier light",
      "type": "boolean"
    },
    "psu_statuses": {
      "type": "array",
      "items": {
        "description": "psu_statuses",
        "type": "object",
        "properties": {
          "name": {
            "description": "name",
            "type": "string"
          },
          "state": {
            "type": "string",
            "enum": [
              "UNKNOWN",
              "MISSING",
              "NO AC",
              "GOOD",
              "FAILED",
              "PREFAIL"
            ],
            "description": "state:\n * `FAILED` - PSU_STATE_FAILED,\n * `GOOD` - PSU_STATE_GOOD,\n * `MISSING` - PSU_STATE_MISSING,\n * `NO AC` - PSU_STATE_NO_AC,\n * `PREFAIL` - PSU_STATE_PREFAIL,\n * `UNKNOWN` - PSU_STATE_UNKNOWN"
          },
          "location": {
            "type": "string",
            "enum": [
              "right",
              "left",
              "top",
              "bottom"
            ],
            "description": "location:\n * `bottom` - PSU_LOCATION_BOTTOM,\n * `left` - PSU_LOCATION_LEFT,\n * `right` - PSU_LOCATION_RIGHT,\n * `top` - PSU_LOCATION_T

```



OP"

```
}  
}  
}  
}  
}  
}
```

# cluster/nodes/{id}/identify

## Endpoint

`/v1/cluster/nodes/{id}/identify`

## POST

Turn the identification light on the node on or off. There may be a slight delay for the change to take effect.

### Parameters

Name	Description	Required
<code>id</code>	The unique ID of the node	Yes

### Request

#### Schema

```
{
  "description": "api_node_uid_light",
  "type": "object",
  "properties": {
    "light_visible": {
      "description": "Visibility of the node identifier light",
      "type": "boolean"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

# cluster/nodes/{id}/uid-light

## Endpoint

`/v1/cluster/nodes/{id}/uid-light`

## GET

Status of the identification (UID) light for this node.

### Parameters

Name	Description	Required
<code>id</code>	The unique ID of the node	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_node_uid_light",
  "type": "object",
  "properties": {
    "light_visible": {
      "description": "Visibility of the node identifier light",
      "type": "boolean"
    }
  }
}
```

## POST

Turn the identification light on the node on or off. There may be a slight delay for the change to take effect.

### Parameters

Name	Description	Required
------	-------------	----------

id	The unique ID of the node	Yes
----	---------------------------	-----

## Request

### Schema

```
{
  "description": "api_node_uid_light",
  "type": "object",
  "properties": {
    "light_visible": {
      "description": "Visibility of the node identifier light",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

# cluster/protection/restriper/status

## Endpoint

`/v1/cluster/protection/restriper/status`

## GET

Get current status of restriper, including data protection status and current restripe phase (if running)

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_restriper_status_v2",
  "type": "object",
  "properties": {
    "state": {
      "type": "string",
      "enum": [
        "NOT_STARTED",
        "RUNNING",
        "FINISHED"
      ],
      "description": "Restriper state (one of NOT_STARTED, RUNNING, FINISHED).:\n *
`FINISHED` - FINISHED,\n * `NOT_STARTED` - NOT_STARTED,\n * `RUNNING` - RUNNING"
    },
    "phase": {
      "type": "string",
      "enum": [
        "PLANNING",
        "REPROTECT",
        "REBALANCE",
        "PARTITIONED_REBALANCE",
        "TRANSCODE"
      ],
      "description": "Restriper phase when state is RUNNING (one of PLANNING, REPROT
ECT, REBALANCE, PARTITIONED_REBALANCE, TRANSCODE). Empty otherwise.:\n * `PARTITIONE
D_REBALANCE` - PARTITIONED_REBALANCE,\n * `PLANNING` - PLANNING,\n * `REBALANCE` - R
EBALANCE,\n * `REPROTECT` - REPROTECT,\n * `TRANSCODE` - TRANSCODE"
    },
    "blocked_reason": {
      "description": "If state is FINISHED but restriper did not complete all requir
ed work, this field provides the reason for the work being incomplete. Empty otherwi
se.",
      "type": "string"
    },
    "data_at_risk": {
      "description": "True if any data is not fully protected, false otherwise.",
      "type": "boolean"
    },
    "elapsed_seconds": {
      "description": "Elapsed time since the current phase began (0 if state is not
RUNNING).",
      "type": "number"
    },
    "percent_complete": {
      "description": "Percent completion of the current phase (0 if state is not RUN
NING).",

```

```
    "type": "number"
  },
  "coordinator_node": {
    "description": "Restriper coordinator node ID in this quorum, where reports are being recorded.",
    "type": "number"
  }
}
```



# cluster/protection/status

## Endpoint

`/v1/cluster/protection/status`

## GET

Gets detailed status information for the data protection of the cluster.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_protection_status",
  "type": "object",
  "properties": {
    "blocks_per_stripe": {
      "description": "The total number of blocks per stripe, including parity.",
      "type": "number"
    },
    "data_blocks_per_stripe": {
      "description": "The number of data blocks per stripe.",
      "type": "number"
    },
    "protection_system_type": {
      "description": "The data protection type for this cluster.",
      "type": "string"
    },
    "max_node_failures": {
      "description": "The maximum number of node failures this cluster can sustain and remain operational.",
      "type": "number"
    },
    "max_drive_failures": {
      "description": "The maximum number of drive failures this cluster can sustain and remain operational.",
      "type": "number"
    },
    "max_drive_spare": {
      "description": "DEPRECATED: The approximate number of drives of sparing space that this cluster has reserved for reprotect.",
      "type": "number"
    },
    "remaining_node_failures": {
      "description": "The number of node failures this cluster can currently sustain and remain operational.",
      "type": "number"
    },
    "remaining_drive_failures": {
      "description": "The number of drive failures this cluster can currently sustain and remain operational.",
      "type": "number"
    },
    "pending_configuration": {
      "description": "The configuration to which this cluster is being changed.",
      "type": "object",
      "properties": {
        "blocks_per_stripe": {

```

```
    "description": "Number of blocks per stripe for this stripe config",
    "type": "number"
  },
  "max_drive_failures": {
    "description": "Number of simultaneous drive failures supported for this s
stripe config",
    "type": "number"
  },
  "max_node_failures": {
    "description": "Number of simultaneous node failures supported for this st
ripe config",
    "type": "number"
  }
}
}
```

# cluster/restriper/status

## Endpoint

`/v1/cluster/restriper/status`

## GET

Get current status of restriper, including data protection status and current restripe phase (if running). This API is deprecated in favor of `/v1/cluster/protection/restriper/status` after v5.3.4.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_restriper_status",
  "type": "object",
  "properties": {
    "status": {
      "type": "string",
      "enum": [
        "RUNNING",
        "NOT_RUNNING",
        "BLOCKED"
      ],
      "description": "Restriper status (one of RUNNING, BLOCKED, NOT_RUNNING).:\n *
`BLOCKED` - API_RESTRIPER_STATE_BLOCKED,\n * `NOT_RUNNING` - API_RESTRIPER_STATE_NO
T_RUNNING,\n * `RUNNING` - API_RESTRIPER_STATE_RUNNING"
    },
    "data_at_risk": {
      "description": "True if any data in the cluster needs to be reprotected, fals
e otherwise.",
      "type": "boolean"
    },
    "blocked_reason": {
      "description": "If status is BLOCKED, this field provides more information.",
      "type": "string"
    },
    "phase": {
      "type": "string",
      "enum": [
        "PLANNING",
        "REPROTECT",
        "REBALANCE",
        "PARTITIONED_REBALANCE",
        "TRANSCODE",
        ""
      ],
      "description": "Restriper phase when status is RUNNING (one of PLANNING, REPRO
TECT, REBALANCE, PARTITIONED_REBALANCE, TRANSCODE), empty otherwise.:\n * `` - API_R
ESTRIPER_PHASE_NOT_RUNNING,\n * `PARTITIONED_REBALANCE` - API_RESTRIPER_PHASE_PARTIT
IONED_REBALANCE,\n * `PLANNING` - API_RESTRIPER_PHASE_PLANNING,\n * `REBALANCE` - AP
I_RESTRIPER_PHASE_REBALANCE,\n * `REPROTECT` - API_RESTRIPER_PHASE_REPROTECT,\n * `T
RANSCODE` - API_RESTRIPER_PHASE_TRANSCODING"
    },
    "elapsed_seconds": {
      "description": "How long since the current phase began (0 if status != RUNNIN
G).",
      "type": "number"
    }
  }
}

```

```
"estimated_seconds_left": {
  "description": "How much longer the current phase is expected to take (UINTMA
X if status != RUNNING).",
  "type": "number"
},
"percent_complete": {
  "description": "Percent of work completed by the current phase.",
  "type": "number"
},
"coordinator_node": {
  "description": "Restriper coordinator for this quorum (where reports will get
stored).",
  "type": "number"
}
}
}
```



# cluster/settings

## Endpoint

`/v1/cluster/settings`

## GET

Returns cluster settings.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

#### Schema

```
{
  "description": "api_cluster_name_settings",
  "type": "object",
  "properties": {
    "cluster_name": {
      "description": "Name of the cluster",
      "type": "string"
    }
  }
}
```

## PUT

Set the name of the cluster

### Parameters

Name	Description	Required
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_cluster_name_settings",
  "type": "object",
  "properties": {
    "cluster_name": {
      "description": "Name of the cluster",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_cluster_name_settings",
  "type": "object",
  "properties": {
    "cluster_name": {
      "description": "Name of the cluster",
      "type": "string"
    }
  }
}
```

# cluster/settings/ssl

## Endpoint

`/v1/cluster/settings/ssl`

## PUT

Set the SSL certificates used by the cluster. Mostly used for HTTP traffic.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "description": "api_cluster_ssl_settings",
  "type": "object",
  "properties": {
    "certificate": {
      "description": "Public certificate for the cluster in PEM format",
      "type": "string"
    },
    "private_key": {
      "description": "Private key for the cluster in PEM format",
      "type": "string"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

# cluster/settings/ssl/ca-certificate

## Endpoint

`/v2/cluster/settings/ssl/ca-certificate`

## GET

Get the SSL certificate authority the cluster trusts when authenticating outbound connections.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_cluster_ssl_ca_certificate_settings",
  "type": "object",
  "properties": {
    "ca_certificate": {
      "description": "Public certificate of the certificate authority to trust for o
utbound connections",
      "type": "string"
    }
  }
}
```

## PUT

Set the SSL certificate authority the cluster trusts when authenticating outbound connections.

### Parameters

Name	Description	Required
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_cluster_ssl_ca_certificate_settings",
  "type": "object",
  "properties": {
    "ca_certificate": {
      "description": "Public certificate of the certificate authority to trust for o
utbound connections",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_cluster_ssl_ca_certificate_settings",
  "type": "object",
  "properties": {
    "ca_certificate": {
      "description": "Public certificate of the certificate authority to trust for o
utbound connections",
      "type": "string"
    }
  }
}
```

## DELETE

Delete the SSL certificate authority the cluster trusts when authenticating outbound connections.

## Parameters

Name	Description	Required
If-Match	ETag for expected version	No

## Response

### Codes

Code	Description
200	Return value on success

# cluster/settings/ssl/certificate

## Endpoint

`/v2/cluster/settings/ssl/certificate`

## PUT

Set the SSL certificates used by the cluster to authenticate its own identity.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "description": "api_cluster_ssl_settings",
  "type": "object",
  "properties": {
    "certificate": {
      "description": "Public certificate for the cluster in PEM format",
      "type": "string"
    },
    "private_key": {
      "description": "Private key for the cluster in PEM format",
      "type": "string"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

# cluster/slots/

## Endpoint

`/v1/cluster/slots/`

## GET

List slots.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "type": "array",
  "items": {
    "description": "api_disk_slot",
    "type": "object",
    "properties": {
      "id": {
        "description": "Node:Slot representation identifying the slot",
        "type": "string"
      },
      "node_id": {
        "description": "Integer ID of the node containing the slot.",
        "type": "number"
      },
      "slot": {
        "description": "Integer ID of slot on the given node",
        "type": "number"
      },
      "state": {
        "type": "string",
        "enum": [
          "empty",
          "healthy",
          "missing",
          "dead",
          "wrong_node",
          "wrong_cluster",
          "wrong_version"
        ],
        "description": "Disk slot state (healthy, dead, empty):\n * `dead` - API_DEVICE_UI_STATE_DEAD,\n * `empty` - API_DEVICE_UI_STATE_EMPTY,\n * `healthy` - API_DEVICE_UI_STATE_HEALTHY,\n * `missing` - API_DEVICE_UI_STATE_MISSING,\n * `wrong_cluster` - API_DEVICE_UI_STATE_WRONG_CLUSTER,\n * `wrong_node` - API_DEVICE_UI_STATE_WRONG_NODE,\n * `wrong_version` - API_DEVICE_UI_STATE_WRONG_VERSION"
      },
      "slot_type": {
        "type": "string",
        "enum": [
          "SSD",
          "HDD",
          "Premium Page Blob",
          "Standard Page Blob",
          "Ephemeral SSD",
          "Write Tier SSD"
        ],
        "description": "Device type for slot (SSD, HDD):\n * `Ephemeral SSD` - API_D

```

```

EVICE_SLOT_TYPE_EPHEMERAL_SSD,\n * `HDD` - API_DEVICE_SLOT_TYPE_SPINNING_DISK,\n *
`Premium Page Blob` - API_DEVICE_SLOT_TYPE_PREMIUM_PAGE_BLOB,\n * `SSD` - API_DEVIC
E_SLOT_TYPE_SSD,\n * `Standard Page Blob` - API_DEVICE_SLOT_TYPE_STANDARD_PAGE_BLO
B,\n * `Write Tier SSD` - API_DEVICE_SLOT_TYPE_WRITE_TIER_SSD"
    },
    "disk_type": {
      "type": "string",
      "enum": [
        "",
        "DEVICE_MEDIA_TYPE_UNKNOWN",
        "SSD",
        "HDD",
        "Premium Page Blob",
        "Standard Page Blob",
        "Ephemeral SSD",
        "Write Tier SSD"
      ],
      "description": "Type of disk, if present (SSD, HDD):\n * `` - API_DEVICE_MED
IA_TYPE_MISSING,\n * `DEVICE_MEDIA_TYPE_UNKNOWN` - API_DEVICE_MEDIA_TYPE_UNKNOWN,\n
* `Ephemeral SSD` - API_DEVICE_MEDIA_TYPE_EPHEMERAL_SSD,\n * `HDD` - API_DEVICE_MEDI
A_TYPE_SPINNING_DISK,\n * `Premium Page Blob` - API_DEVICE_MEDIA_TYPE_PREMIUM_PAGE_B
LOB,\n * `SSD` - API_DEVICE_MEDIA_TYPE_SSD,\n * `Standard Page Blob` - API_DEVICE_ME
DIA_TYPE_STANDARD_PAGE_BLOB,\n * `Write Tier SSD` - API_DEVICE_MEDIA_TYPE_WRITE_TIE
R_SSD"
    },
    "disk_model": {
      "description": "Disk model (empty if no disk)",
      "type": "string"
    },
    "disk_serial_number": {
      "description": "Serial number of this disk (empty if no disk)",
      "type": "string"
    },
    "capacity": {
      "description": "Capacity in bytes (0 if slot is empty)",
      "type": "string"
    },
    "raw_capacity": {
      "description": "Raw capacity in bytes (0 if slot is empty)",
      "type": "string"
    },
    "minimum_raw_capacity": {
      "description": "Minimum raw capacity in bytes for slot",
      "type": "string"
    },
    "high_endurance": {

```

```

    "description": "Is this device a high endurance model",
    "type": "boolean"
  },
  "drive_bay": {
    "description": "Drive bay label",
    "type": "string"
  },
  "led_pattern": {
    "type": "string",
    "enum": [
      "LED_PATTERN_NORMAL",
      "LED_PATTERN_LOCATE",
      "LED_PATTERN_FAILURE"
    ],
    "description": "Current state of the slot's LED:\n * `LED_PATTERN_FAILURE`\n - failure,\n * `LED_PATTERN_LOCATE` - locate,\n * `LED_PATTERN_NORMAL` - normal"
  }
}
}
}
}

```

# cluster/slots/{id}

## Endpoint

`/v1/cluster/slots/{id}`

## GET

Retrieve info about the disk slot, such as its capacity, type, model, etc.

### Parameters

Name	Description	Required
<code>id</code>	The unique ID of the disk slot	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_disk_slot",
  "type": "object",
  "properties": {
    "id": {
      "description": "Node:Slot representation identifying the slot",
      "type": "string"
    },
    "node_id": {
      "description": "Integer ID of the node containing the slot.",
      "type": "number"
    },
    "slot": {
      "description": "Integer ID of slot on the given node",
      "type": "number"
    },
    "state": {
      "type": "string",
      "enum": [
        "empty",
        "healthy",
        "missing",
        "dead",
        "wrong_node",
        "wrong_cluster",
        "wrong_version"
      ],
      "description": "Disk slot state (healthy, dead, empty):\n * `dead` - API_DEVICE_UI_STATE_DEAD,\n * `empty` - API_DEVICE_UI_STATE_EMPTY,\n * `healthy` - API_DEVICE_UI_STATE_HEALTHY,\n * `missing` - API_DEVICE_UI_STATE_MISSING,\n * `wrong_cluster` - API_DEVICE_UI_STATE_WRONG_CLUSTER,\n * `wrong_node` - API_DEVICE_UI_STATE_WRONG_NODE,\n * `wrong_version` - API_DEVICE_UI_STATE_WRONG_VERSION"
    },
    "slot_type": {
      "type": "string",
      "enum": [
        "SSD",
        "HDD",
        "Premium Page Blob",
        "Standard Page Blob",
        "Ephemeral SSD",
        "Write Tier SSD"
      ],
      "description": "Device type for slot (SSD, HDD):\n * `Ephemeral SSD` - API_DEVICE_SLOT_TYPE_EPHEMERAL_SSD,\n * `HDD` - API_DEVICE_SLOT_TYPE_SPINNING_DISK,\n * `Premium Page Blob` - API_DEVICE_SLOT_TYPE_PREMIUM_PAGE_BLOB,\n * `SSD` - API_DEVICE_SLOT_TYPE_SSD"
    }
  }
}

```

```

OT_TYPE_SSD,\n * `Standard Page Blob` - API_DEVICE_SLOT_TYPE_STANDARD_PAGE_BLOB,\n
* `Write Tier SSD` - API_DEVICE_SLOT_TYPE_WRITE_TIER_SSD"
  },
  "disk_type": {
    "type": "string",
    "enum": [
      "",
      "DEVICE_MEDIA_TYPE_UNKNOWN",
      "SSD",
      "HDD",
      "Premium Page Blob",
      "Standard Page Blob",
      "Ephemeral SSD",
      "Write Tier SSD"
    ],
    "description": "Type of disk, if present (SSD, HDD):\n * `` - API_DEVICE_MEDI
A_TYPE_MISSING,\n * `DEVICE_MEDIA_TYPE_UNKNOWN` - API_DEVICE_MEDIA_TYPE_UNKNOWN,\n
* `Ephemeral SSD` - API_DEVICE_MEDIA_TYPE_EPHEMERAL_SSD,\n * `HDD` - API_DEVICE_MEDI
A_TYPE_SPINNING_DISK,\n * `Premium Page Blob` - API_DEVICE_MEDIA_TYPE_PREMIUM_PAGE_B
LOB,\n * `SSD` - API_DEVICE_MEDIA_TYPE_SSD,\n * `Standard Page Blob` - API_DEVICE_ME
DIA_TYPE_STANDARD_PAGE_BLOB,\n * `Write Tier SSD` - API_DEVICE_MEDIA_TYPE_WRITE_TIE
R_SSD"
  },
  "disk_model": {
    "description": "Disk model (empty if no disk)",
    "type": "string"
  },
  "disk_serial_number": {
    "description": "Serial number of this disk (empty if no disk)",
    "type": "string"
  },
  "capacity": {
    "description": "Capacity in bytes (0 if slot is empty)",
    "type": "string"
  },
  "raw_capacity": {
    "description": "Raw capacity in bytes (0 if slot is empty)",
    "type": "string"
  },
  "minimum_raw_capacity": {
    "description": "Minimum raw capacity in bytes for slot",
    "type": "string"
  },
  "high_endurance": {
    "description": "Is this device a high endurance model",
    "type": "boolean"
  }
}

```



```

},
"drive_bay": {
  "description": "Drive bay label",
  "type": "string"
},
"led_pattern": {
  "type": "string",
  "enum": [
    "LED_PATTERN_NORMAL",
    "LED_PATTERN_LOCATE",
    "LED_PATTERN_FAILURE"
  ],
  "description": "Current state of the slot's LED:\n * `LED_PATTERN_FAILURE` - failure,\n * `LED_PATTERN_LOCATE` - locate,\n * `LED_PATTERN_NORMAL` - normal"
}
}
}

```

## PATCH

Control the slot's locate LED.

Parameters

Name	Description	Required
<code>id</code>	The unique ID of the disk slot	Yes

## Request

### Schema

```
{
  "description": "api_disk_slot_patch",
  "type": "object",
  "properties": {
    "led_pattern": {
      "type": "string",
      "enum": [
        "LED_PATTERN_NORMAL",
        "LED_PATTERN_LOCATE",
        "LED_PATTERN_FAILURE"
      ],
      "description": "led_pattern:\n * `LED_PATTERN_FAILURE` - failure,\n * `LED_PATTERN_LOCATE` - locate,\n * `LED_PATTERN_NORMAL` - normal"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_disk_slot",
  "type": "object",
  "properties": {
    "id": {
      "description": "Node:Slot representation identifying the slot",
      "type": "string"
    },
    "node_id": {
      "description": "Integer ID of the node containing the slot.",
      "type": "number"
    },
    "slot": {
      "description": "Integer ID of slot on the given node",
      "type": "number"
    },
    "state": {
      "type": "string",
      "enum": [
        "empty",
        "healthy",
        "missing",
        "dead",
        "wrong_node",
        "wrong_cluster",
        "wrong_version"
      ],
      "description": "Disk slot state (healthy, dead, empty):\n * `dead` - API_DEVICE_UI_STATE_DEAD,\n * `empty` - API_DEVICE_UI_STATE_EMPTY,\n * `healthy` - API_DEVICE_UI_STATE_HEALTHY,\n * `missing` - API_DEVICE_UI_STATE_MISSING,\n * `wrong_cluster` - API_DEVICE_UI_STATE_WRONG_CLUSTER,\n * `wrong_node` - API_DEVICE_UI_STATE_WRONG_NODE,\n * `wrong_version` - API_DEVICE_UI_STATE_WRONG_VERSION"
    },
    "slot_type": {
      "type": "string",
      "enum": [
        "SSD",
        "HDD",
        "Premium Page Blob",
        "Standard Page Blob",
        "Ephemeral SSD",
        "Write Tier SSD"
      ],
      "description": "Device type for slot (SSD, HDD):\n * `Ephemeral SSD` - API_DEVICE_SLOT_TYPE_EPHEMERAL_SSD,\n * `HDD` - API_DEVICE_SLOT_TYPE_SPINNING_DISK,\n * `Premium Page Blob` - API_DEVICE_SLOT_TYPE_PREMIUM_PAGE_BLOB,\n * `SSD` - API_DEVICE_SLOT_TYPE_SSD"
    }
  }
}

```

```

OT_TYPE_SSD,\n * `Standard Page Blob` - API_DEVICE_SLOT_TYPE_STANDARD_PAGE_BLOB,\n
* `Write Tier SSD` - API_DEVICE_SLOT_TYPE_WRITE_TIER_SSD"
  },
  "disk_type": {
    "type": "string",
    "enum": [
      "",
      "DEVICE_MEDIA_TYPE_UNKNOWN",
      "SSD",
      "HDD",
      "Premium Page Blob",
      "Standard Page Blob",
      "Ephemeral SSD",
      "Write Tier SSD"
    ],
    "description": "Type of disk, if present (SSD, HDD):\n * `` - API_DEVICE_MEDI
A_TYPE_MISSING,\n * `DEVICE_MEDIA_TYPE_UNKNOWN` - API_DEVICE_MEDIA_TYPE_UNKNOWN,\n
* `Ephemeral SSD` - API_DEVICE_MEDIA_TYPE_EPHEMERAL_SSD,\n * `HDD` - API_DEVICE_MEDI
A_TYPE_SPINNING_DISK,\n * `Premium Page Blob` - API_DEVICE_MEDIA_TYPE_PREMIUM_PAGE_B
LOB,\n * `SSD` - API_DEVICE_MEDIA_TYPE_SSD,\n * `Standard Page Blob` - API_DEVICE_ME
DIA_TYPE_STANDARD_PAGE_BLOB,\n * `Write Tier SSD` - API_DEVICE_MEDIA_TYPE_WRITE_TIE
R_SSD"
  },
  "disk_model": {
    "description": "Disk model (empty if no disk)",
    "type": "string"
  },
  "disk_serial_number": {
    "description": "Serial number of this disk (empty if no disk)",
    "type": "string"
  },
  "capacity": {
    "description": "Capacity in bytes (0 if slot is empty)",
    "type": "string"
  },
  "raw_capacity": {
    "description": "Raw capacity in bytes (0 if slot is empty)",
    "type": "string"
  },
  "minimum_raw_capacity": {
    "description": "Minimum raw capacity in bytes for slot",
    "type": "string"
  },
  "high_endurance": {
    "description": "Is this device a high endurance model",
    "type": "boolean"
  }
}

```

```
},
"drive_bay": {
  "description": "Drive bay label",
  "type": "string"
},
"led_pattern": {
  "type": "string",
  "enum": [
    "LED_PATTERN_NORMAL",
    "LED_PATTERN_LOCATE",
    "LED_PATTERN_FAILURE"
  ],
  "description": "Current state of the slot's LED:\n * `LED_PATTERN_FAILURE` - failure,\n * `LED_PATTERN_LOCATE` - locate,\n * `LED_PATTERN_NORMAL` - normal"
}
}
```

# node/state

## Endpoint

`/v1/node/state`

## GET

Retrieves node state of the node that the call was made to.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_node_state",
  "type": "object",
  "properties": {
    "node_id": {
      "description": "node-id of the node responding to the get",
      "type": "number"
    },
    "state": {
      "type": "string",
      "enum": [
        "UNCONFIGURED",
        "STOPPED",
        "PAUSED",
        "ACTIVE",
        "REMOVED"
      ],
      "description": "The state of the node:\n * `ACTIVE` - Configured node part of active quorum,\n * `PAUSED` - Configured node part of paused quorum,\n * `REMOVED` - Configured node that has been removed from its cluster,\n * `STOPPED` - Configured node not part of quorum,\n * `UNCONFIGURED` - Unconfigured node"
    },
    "cluster_id": {
      "description": "Unique identifier of cluster the node belongs to or the empty string (') if the node is unconfigured",
      "type": "string"
    }
  }
}
```



# dns/clear-dns-cache

## Endpoint

/v1/dns/clear-dns-cache

## POST

Clears the Qumulo local DNS cache

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "description": "api_dns_clear_cache",
  "type": "object",
  "properties": {
    "dns_config_id": {
      "description": "dns_config_id",
      "type": "number"
    },
    "skip_reverse_cache": {
      "description": "When true, reverse lookup results will not be cleared from the cache.",
      "type": "boolean"
    },
    "skip_forward_cache": {
      "description": "When true, forward lookup results will not be cleared from the cache.",
      "type": "boolean"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

# dns/lookup-override-config

## Endpoint

`/v1/dns/lookup-override-config`

## GET

List the DNS lookup overrides configured on the cluster. These rules override any lookup results from the configured DNS servers and serve as static mappings between IP address and hostname

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_dns_lookup_override_config",
  "type": "object",
  "properties": {
    "lookup_overrides": {
      "type": "array",
      "items": {
        "description": "lookup_overrides",
        "type": "object",
        "properties": {
          "ip_address": {
            "description": "ip_address",
            "type": "string"
          },
          "aliases": {
            "type": "array",
            "items": {
              "description": "aliases",
              "type": "string"
            }
          }
        }
      }
    }
  }
}
```

## PUT

Overwrite the DNS lookup overrides configured on the cluster. These rules override any lookup results from the configured DNS servers and serve as static mappings between IP address and hostname

### Parameters

Name	Description	Required
<b>If-Match</b>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_dns_lookup_override_config",
  "type": "object",
  "properties": {
    "lookup_overrides": {
      "type": "array",
      "items": {
        "description": "lookup_overrides",
        "type": "object",
        "properties": {
          "ip_address": {
            "description": "ip_address",
            "type": "string"
          },
          "aliases": {
            "type": "array",
            "items": {
              "description": "aliases",
              "type": "string"
            }
          }
        }
      }
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_dns_lookup_override_config",
  "type": "object",
  "properties": {
    "lookup_overrides": {
      "type": "array",
      "items": {
        "description": "lookup_overrides",
        "type": "object",
        "properties": {
          "ip_address": {
            "description": "ip_address",
            "type": "string"
          },
          "aliases": {
            "type": "array",
            "items": {
              "description": "aliases",
              "type": "string"
            }
          }
        }
      }
    }
  }
}
```

# dns/resolve/

## Endpoint

`/v1/dns/resolve/`

## POST

Deprecated. Use `/v1/dns/resolve-ips-to-names` instead.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "type": "array",
  "items": {
    "type": "string"
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_resolved_ip",
    "type": "object",
    "properties": {
      "ip_address": {
        "description": "The IP address which was resolved",
        "type": "string"
      },
      "hostname": {
        "description": "The resolved name of the IP address",
        "type": "string"
      },
      "result": {
        "type": "string",
        "enum": [
          "OK",
          "ERROR",
          "NOT_FOUND",
          "TIMEOUT"
        ],
        "description": "The status of the resolution:\n * `ERROR` - DNS_RESOLUTION_
RROR,\n * `NOT_FOUND` - DNS_RESOLUTION_NOT_FOUND,\n * `OK` - DNS_RESOLUTION_OK,\n *
`TIMEOUT` - DNS_RESOLUTION_TIMEOUT"
      }
    }
  }
}
```

# dns/resolve-ips-to-names

## Endpoint

`/v1/dns/resolve-ips-to-names`

## POST

Resolve a list of IP addresses to canonical hostnames.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "type": "array",
  "items": {
    "type": "string"
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_resolved_ip",
    "type": "object",
    "properties": {
      "ip_address": {
        "description": "The IP address which was resolved",
        "type": "string"
      },
      "hostname": {
        "description": "The resolved name of the IP address",
        "type": "string"
      },
      "result": {
        "type": "string",
        "enum": [
          "OK",
          "ERROR",
          "NOT_FOUND",
          "TIMEOUT"
        ],
        "description": "The status of the resolution:\n * `ERROR` - DNS_RESOLUTION_
RROR,\n * `NOT_FOUND` - DNS_RESOLUTION_NOT_FOUND,\n * `OK` - DNS_RESOLUTION_OK,\n *
`TIMEOUT` - DNS_RESOLUTION_TIMEOUT"
      }
    }
  }
}
```

# dns/resolve-names-to-ips

## Endpoint

`/v1/dns/resolve-names-to-ips`

## POST

Resolve a list of hostnames to their set of associated IP addresses.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "type": "array",
  "items": {
    "type": "string"
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_resolved_hostname",
    "type": "object",
    "properties": {
      "hostname": {
        "description": "The hostname which was resolved",
        "type": "string"
      },
      "ip_addresses": {
        "type": "array",
        "items": {
          "description": "The IP addresses to which the hostname resolved",
          "type": "string"
        }
      },
      "result": {
        "type": "string",
        "enum": [
          "OK",
          "ERROR",
          "NOT_FOUND",
          "TIMEOUT"
        ],
        "description": "The status of the resolution:\n * `ERROR` - DNS_RESOLUTION_
RROR,\n * `NOT_FOUND` - DNS_RESOLUTION_NOT_FOUND,\n * `OK` - DNS_RESOLUTION_OK,\n *
`TIMEOUT` - DNS_RESOLUTION_TIMEOUT"
      }
    }
  }
}
```

# files/locks/nfs4/byte-range/

## Endpoint

`/v1/files/locks/nfs4/byte-range/`

## GET

Return a list of all granted file locks that the specified machine owns.

### Parameters

Name	Description	Required
<code>owner_name</code>	The lock owner's name. The client provides the name. Typically, it is the client hostname.	No
<code>owner_address</code>	The lock owner's address. This is the IP address of the machine that acquires the lock. If the machine's IP address changes, any existing lock entries are still listed under the old address.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_nfs4_byte_range_grants",
  "type": "object",
  "properties": {
    "grants": {
      "type": "array",
      "items": {
        "description": "grants",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at the head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_BYTE_RANGE_EXCLUSIVE",
                "API_BYTE_RANGE_SHARED",
                "API_BYTE_RANGE_READ_OP",
                "API_BYTE_RANGE_WRITE_OP"
              ]
            },
            "description": "mode:\n * `API_BYTE_RANGE_EXCLUSIVE` - API_BYTE_RANGE_EXCLUSIVE,\n * `API_BYTE_RANGE_READ_OP` - API_BYTE_RANGE_READ_OP,\n * `API_BYTE_RANGE_SHARED` - API_BYTE_RANGE_SHARED,\n * `API_BYTE_RANGE_WRITE_OP` - API_BYTE_RANGE_WRITE_OP"
          }
        }
      },
      "offset": {
        "description": "offset",
        "type": "string"
      },
      "size": {
        "description": "size",
        "type": "string"
      }
    }
  }
}

```

```
    },
    "owner_id": {
      "description": "The unique identifier for the process that owns the file lock.",
      "type": "string"
    },
    "owner_name": {
      "description": "The name of the machine that owns the lock.",
      "type": "string"
    },
    "owner_address": {
      "description": "The IP address to use for acquiring the file lock.",
      "type": "string"
    },
    "node_address": {
      "description": "The IP address of the node that receives the request.",
      "type": "string"
    },
    "client_id": {
      "description": "The ID of the client that holds the file lock.",
      "type": "string"
    },
    "state_id": {
      "description": "The file lock state ID.",
      "type": "string"
    },
    "node_id": {
      "description": "The node whose NFSv4.1 server holds the client state.",
      "type": "number"
    }
  }
}
}
```

# files/locks/nlm/byte-range/

## Endpoint

`/v1/files/locks/nlm/byte-range/`

## GET

Return a list of all granted file locks that the specified machine owns.

### Parameters

Name	Description	Required
<code>owner_name</code>	The lock owner's name. The client provides the name. Typically, it is the client hostname.	No
<code>owner_address</code>	The lock owner's address. This is the IP address of the machine that acquires the lock. If the machine's IP address changes, any existing lock entries are still listed under the old address.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success



## Schema

```

{
  "description": "api_byte_range_grants",
  "type": "object",
  "properties": {
    "grants": {
      "type": "array",
      "items": {
        "description": "grants",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at the head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_BYTE_RANGE_EXCLUSIVE",
                "API_BYTE_RANGE_SHARED",
                "API_BYTE_RANGE_READ_OP",
                "API_BYTE_RANGE_WRITE_OP"
              ]
            },
            "description": "mode:\n * `API_BYTE_RANGE_EXCLUSIVE` - API_BYTE_RANGE_EXCLUSIVE,\n * `API_BYTE_RANGE_READ_OP` - API_BYTE_RANGE_READ_OP,\n * `API_BYTE_RANGE_SHARED` - API_BYTE_RANGE_SHARED,\n * `API_BYTE_RANGE_WRITE_OP` - API_BYTE_RANGE_WRITE_OP"
          }
        }
      },
      "offset": {
        "description": "offset",
        "type": "string"
      },
      "size": {
        "description": "size",
        "type": "string"
      }
    }
  }
}

```

```

},
"owner_id": {
  "description": "The unique identifier for the process that owns the file lock.",
  "type": "string"
},
"owner_name": {
  "description": "The name of the machine that owns the lock.",
  "type": "string"
},
"owner_address": {
  "description": "The IP address to use for acquiring the file lock.",
  "type": "string"
},
"node_address": {
  "description": "The IP address of the node that receives the request.",
  "type": "string"
}
}
}
}
}
}
}
}
}
}

```

## DELETE

Release all locks held by a particular client. This is dangerous, and should only be used after confirming that the client is dead.

### Parameters

Name	Description	Required
<b>owner_name</b>	The lock owner's name. The client provides the name. Typically, it is the client hostname.	No
<b>owner_address</b>	The lock owner's address. This is the IP address of the machine that acquires the lock. If the machine's IP address changes, any existing lock entries are still listed under the old address.	No

### Response

#### Codes

Code	Description
------	-------------

200	Return value on success
-----	-------------------------

# files/locks/nlm/byte-range/waiters/

## Endpoint

`/v1/files/locks/nlm/byte-range/waiters/`

## GET

Return a list of all NLM byte range requests currently waiting on the specified machine.

### Parameters

Name	Description	Required
<code>owner_name</code>	The lock owner's name. The client provides the name. Typically, it is the client hostname.	No
<code>owner_address</code>	The waiter's address. The IP address of the machine (the waiter) that sends the lock request. If the machine's IP address changes, any outstanding requests are still listed under the old address.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_byte_range_waiters",
  "type": "object",
  "properties": {
    "waiters": {
      "type": "array",
      "items": {
        "description": "waiters",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at the head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_BYTE_RANGE_EXCLUSIVE",
                "API_BYTE_RANGE_SHARED",
                "API_BYTE_RANGE_READ_OP",
                "API_BYTE_RANGE_WRITE_OP"
              ]
            },
            "description": "mode:\n * `API_BYTE_RANGE_EXCLUSIVE` - API_BYTE_RANGE_EXCLUSIVE,\n * `API_BYTE_RANGE_READ_OP` - API_BYTE_RANGE_READ_OP,\n * `API_BYTE_RANGE_SHARED` - API_BYTE_RANGE_SHARED,\n * `API_BYTE_RANGE_WRITE_OP` - API_BYTE_RANGE_WRITE_OP"
          }
        }
      },
      "offset": {
        "description": "offset",
        "type": "string"
      },
      "size": {
        "description": "size",
        "type": "string"
      }
    }
  }
}

```

```
    },
    "owner_id": {
      "description": "The unique identifier for the process that owns the file lock.",
      "type": "string"
    },
    "owner_name": {
      "description": "The name of the machine that owns the lock.",
      "type": "string"
    },
    "owner_address": {
      "description": "The IP address to use for acquiring the file lock.",
      "type": "string"
    },
    "node_address": {
      "description": "The IP address of the node that receives the request.",
      "type": "string"
    }
  }
}
}
```



# files/locks/smb/byte-range/

## Endpoint

`/v1/files/locks/smb/byte-range/`

## GET

Return a list of all granted file locks that the specified machine owns.

### Parameters

Name	Description	Required
<code>owner_address</code>	IP Address of the client that owns the lock.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_byte_range_grants",
  "type": "object",
  "properties": {
    "grants": {
      "type": "array",
      "items": {
        "description": "grants",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at the head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_BYTE_RANGE_EXCLUSIVE",
                "API_BYTE_RANGE_SHARED",
                "API_BYTE_RANGE_READ_OP",
                "API_BYTE_RANGE_WRITE_OP"
              ]
            },
            "description": "mode:\n * `API_BYTE_RANGE_EXCLUSIVE` - API_BYTE_RANGE_EXCLUSIVE,\n * `API_BYTE_RANGE_READ_OP` - API_BYTE_RANGE_READ_OP,\n * `API_BYTE_RANGE_SHARED` - API_BYTE_RANGE_SHARED,\n * `API_BYTE_RANGE_WRITE_OP` - API_BYTE_RANGE_WRITE_OP"
          }
        }
      },
      "offset": {
        "description": "offset",
        "type": "string"
      },
      "size": {
        "description": "size",
        "type": "string"
      }
    }
  }
}

```

```
    },
    "owner_id": {
      "description": "The unique identifier for the process that owns the file lock.",
      "type": "string"
    },
    "owner_name": {
      "description": "The name of the machine that owns the lock.",
      "type": "string"
    },
    "owner_address": {
      "description": "The IP address to use for acquiring the file lock.",
      "type": "string"
    },
    "node_address": {
      "description": "The IP address of the node that receives the request.",
      "type": "string"
    }
  }
}
}
```

# files/locks/smb/share-mode/

## Endpoint

`/v1/files/locks/smb/share-mode/`

## GET

Return a list of all granted file locks that the specified machine owns.

### Parameters

Name	Description	Required
<code>owner_address</code>	IP Address of the client that owns the lock.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_share_mode_grants",
  "type": "object",
  "properties": {
    "grants": {
      "type": "array",
      "items": {
        "description": "grants",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at the head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_SHARE_MODE_READ",
                "API_SHARE_MODE_WRITE",
                "API_SHARE_MODE_DELETE",
                "API_SHARE_MODE_EXCLUDE_READ",
                "API_SHARE_MODE_EXCLUDE_WRITE",
                "API_SHARE_MODE_EXCLUDE_DELETE"
              ],
              "description": "mode:\n * `API_SHARE_MODE_DELETE` - API_SHARE_MODE_DELETE,\n * `API_SHARE_MODE_EXCLUDE_DELETE` - API_SHARE_MODE_EXCLUDE_DELETE,\n * `API_SHARE_MODE_EXCLUDE_READ` - API_SHARE_MODE_EXCLUDE_READ,\n * `API_SHARE_MODE_EXCLUDE_WRITE` - API_SHARE_MODE_EXCLUDE_WRITE,\n * `API_SHARE_MODE_READ` - API_SHARE_MODE_READ,\n * `API_SHARE_MODE_WRITE` - API_SHARE_MODE_WRITE"
            }
          },
          "owner_id": {
            "description": "The unique identifier for the process that owns the file lock.",
            "type": "string"
          }
        }
      }
    }
  }
}

```

```
    },
    "owner_address": {
      "description": "The IP address to use for acquiring the file lock.",
      "type": "string"
    },
    "node_address": {
      "description": "The IP address of the node that receives the request.",
      "type": "string"
    }
  }
}
```



# files/quotas/

## Endpoint

`/v1/files/quotas/`

## GET

List all set directory quotas.

### Parameters

Name	Description	Required
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_files_quota_entries",
  "type": "object",
  "properties": {
    "quotas": {
      "type": "array",
      "items": {
        "description": "quotas",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique ID of this directory.",
            "type": "string"
          },
          "limit": {
            "description": "Limit in bytes of the cumulative size of this directory
and its descendants.",
            "type": "string"
          }
        }
      }
    }
  }
}
```

## POST

Add a directory quota.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_files_quota",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique ID of this directory.",
      "type": "string"
    },
    "limit": {
      "description": "Limit in bytes of the cumulative size of this directory and its descendants.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_files_quota",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique ID of this directory.",
      "type": "string"
    },
    "limit": {
      "description": "Limit in bytes of the cumulative size of this directory and its descendants.",
      "type": "string"
    }
  }
}
```

# files/quotas/status/

## Endpoint

`/v1/files/quotas/status/`

## GET

List all directory quotas and their corresponding directories' paths and cumulative sizes.

### Parameters

Name	Description	Required
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_files_quota_status_entries",
  "type": "object",
  "properties": {
    "quotas": {
      "type": "array",
      "items": {
        "description": "quotas",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique ID of this directory.",
            "type": "string"
          },
          "path": {
            "description": "Full path of this directory.",
            "type": "string"
          },
          "limit": {
            "description": "Limit in bytes of the cumulative size of this directory
and its descendants.",
            "type": "string"
          },
          "capacity_usage": {
            "description": "Capacity used by this directory and all of its childre
n, in bytes.",
            "type": "string"
          }
        }
      }
    }
  }
}
```

# files/quotas/status/{id}

## Endpoint

`/v1/files/quotas/status/{id}`

## GET

Get the directory quota for a directory, its limit in bytes, and current capacity usage.

### Parameters

Name	Description	Required
<code>id</code>	Directory ID (uint64)	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_files_quota_status",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique ID of this directory.",
      "type": "string"
    },
    "path": {
      "description": "Full path of this directory.",
      "type": "string"
    },
    "limit": {
      "description": "Limit in bytes of the cumulative size of this directory and its descendants.",
      "type": "string"
    },
    "capacity_usage": {
      "description": "Capacity used by this directory and all of its children, in bytes.",
      "type": "string"
    }
  }
}
```

# files/quotas/{id}

## Endpoint

`/v1/files/quotas/{id}`

## GET

Get the directory quota for a directory and its limit in bytes

### Parameters

Name	Description	Required
<code>id</code>	Directory ID (uint64)	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_files_quota",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique ID of this directory.",
      "type": "string"
    },
    "limit": {
      "description": "Limit in bytes of the cumulative size of this directory and its descendants.",
      "type": "string"
    }
  }
}
```

## PUT

Modify the quota for a given directory.



## Parameters

Name	Description	Required
<code>id</code>	Directory ID (uint64)	Yes
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_files_quota",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique ID of this directory.",
      "type": "string"
    },
    "limit": {
      "description": "Limit in bytes of the cumulative size of this directory and its descendants.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_files_quota",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique ID of this directory.",
      "type": "string"
    },
    "limit": {
      "description": "Limit in bytes of the cumulative size of this directory and its descendants.",
      "type": "string"
    }
  }
}
```

## DELETE

Delete the quota for a given directory.

### Parameters

Name	Description	Required
<code>id</code>	Directory ID (uint64)	Yes
<code>If-Match</code>	ETag for expected version	No

### Response

#### Codes

Code	Description
200	Return value on success

# files/resolve

## Endpoint

`/v1/files/resolve`

## POST

Return the full paths for each specified file ID. If a file has more than one path (due to hard links) a canonical path is chosen.

### Parameters

Name	Description	Required
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Request

#### Schema

```
{
  "type": "array",
  "items": {
    "type": "string"
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "fs_api_ref_id_path",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique ID of this file or directory",
        "type": "string"
      },
      "path": {
        "description": "Full path of this file or directory",
        "type": "string"
      }
    }
  }
}
```

# files/{ref}

## Endpoint

`/v1/files/{ref}`

## DELETE

Paths must be absolute and URL encoded.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# files/{ref}/aggregates/

## Endpoint

`/v1/files/{ref}/aggregates/`

## GET

Return aggregated data for a directory (like capacity, IOPS, etc.)

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>max-entries</code>	Maximum number of directory entries to return (default: 1000)	No
<code>order-by</code>	Ordering field used for top N selection and sorting (default: total_blocks): * `total_blocks` - total_blocks, * `total_datablocks` - total_datablocks, * `total_directories` - total_directories, * `total_files` - total_files, * `total_metablocks` - total_metablocks, * `total_named_stream_datablocks` - total_named_stream_datablocks, * `total_named_streams` - total_named_streams, * `total_other` - total_other, * `total_symlinks` - total_symlinks	No
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_files_dir_aggregates",
  "type": "object",
  "properties": {
    "path": {
      "description": "path",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "string"
    },
    "files": {
      "type": "array",
      "items": {
        "description": "files",
        "type": "object",
        "properties": {
          "name": {
            "description": "Name of this file or directory",
            "type": "string"
          },
          "type": {
            "type": "string",
            "enum": [
              "FS_FILE_TYPE_FILE",
              "FS_FILE_TYPE_DIRECTORY",
              "FS_FILE_TYPE_SYMLINK",
              "FS_FILE_TYPE_UNIX_PIPE",
              "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
              "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
              "FS_FILE_TYPE_UNIX_SOCKET"
            ],
            "description": "type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
          },
          "id": {
            "description": "Unique ID of this file or directory",
            "type": "string"
          },
          "capacity_usage": {
            "description": "Capacity used by this file, or directory and all its chi

```



```

ldren, in bytes",
    "type": "string"
  },
  "data_usage": {
    "description": "Capacity used for data by this file, or directory and al
l its children, in bytes",
    "type": "string"
  },
  "meta_usage": {
    "description": "Capacity used for metadata by this file, or directory an
d all its children, in bytes",
    "type": "string"
  },
  "num_files": {
    "description": "Total number of files in the directory",
    "type": "string"
  },
  "num_directories": {
    "description": "Total number of directories in the directory",
    "type": "string"
  },
  "num_symlinks": {
    "description": "Total number of symlinks in the directory",
    "type": "string"
  },
  "num_other_objects": {
    "description": "Total number of Unix devices, pipes, and sockets in the
directory",
    "type": "string"
  },
  "named_stream_data_usage": {
    "description": "Capacity used for data by named streams on this file, o
r directory and all its children, in bytes",
    "type": "string"
  },
  "num_named_streams": {
    "description": "Total number of named streams in the directory",
    "type": "string"
  }
}
},
"total_capacity": {
  "description": "total_capacity",
  "type": "string"
},

```

```
"total_data": {
  "description": "total_data",
  "type": "string"
},
"total_named_stream_data": {
  "description": "total_named_stream_data",
  "type": "string"
},
"total_meta": {
  "description": "total_meta",
  "type": "string"
},
"total_files": {
  "description": "total_files",
  "type": "string"
},
"total_directories": {
  "description": "total_directories",
  "type": "string"
},
"total_symlinks": {
  "description": "total_symlinks",
  "type": "string"
},
"total_other_objects": {
  "description": "total_other_objects",
  "type": "string"
},
"total_named_streams": {
  "description": "total_named_streams",
  "type": "string"
}
}
}
```

# files/{ref}/copy-chunk

## Endpoint

`/v1/files/{ref}/copy-chunk`

## POST

Copies the contents of the source file specified in the body of the request to the default stream. The file must already exist.

## Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_files_copy_chunk",
  "type": "object",
  "properties": {
    "source_id": {
      "description": "File ID of the source file. Exactly one of source_id or source_path must be provided.",
      "type": "string"
    },
    "source_path": {
      "description": "Path of the source file. Exactly one of source_id or source_path must be provided.",
      "type": "string"
    },
    "source_stream_id": {
      "description": "Stream ID of the source file. Defaults to default stream.",
      "type": "string"
    },
    "source_snapshot": {
      "description": "Snapshot ID specifying the version of the file to copy from. Defaults to head version.",
      "type": "number"
    },
    "source_offset": {
      "description": "Specifies the offset in bytes to start copying from. Defaults to 0.",
      "type": "string"
    },
    "target_offset": {
      "description": "Specifies the offset in bytes to start copying to. Defaults to 0.",
      "type": "string"
    },
    "length": {
      "description": "Specifies the maximum length of copy in bytes. Defaults to copy to the end of the source file. The server may not be able to copy the entire length requested. If that is the case, the response body returned can be used as request body for the remaining copy.",
      "type": "string"
    },
    "source_etag": {
      "description": "Expected ETag of the source file returned from /v1/files/{source-id}/info/attributes. If provided, this ETag will be validated against the server to ensure no intermediate change has occurred.",
      "type": "string"
    }
  }
}

```

```
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_files_copy_chunk",
  "type": "object",
  "properties": {
    "source_id": {
      "description": "File ID of the source file. Exactly one of source_id or source_path must be provided.",
      "type": "string"
    },
    "source_path": {
      "description": "Path of the source file. Exactly one of source_id or source_path must be provided.",
      "type": "string"
    },
    "source_stream_id": {
      "description": "Stream ID of the source file. Defaults to default stream.",
      "type": "string"
    },
    "source_snapshot": {
      "description": "Snapshot ID specifying the version of the file to copy from. Defaults to head version.",
      "type": "number"
    },
    "source_offset": {
      "description": "Specifies the offset in bytes to start copying from. Defaults to 0.",
      "type": "string"
    },
    "target_offset": {
      "description": "Specifies the offset in bytes to start copying to. Defaults to 0.",
      "type": "string"
    },
    "length": {
      "description": "Specifies the maximum length of copy in bytes. Defaults to copy to the end of the source file. The server may not be able to copy the entire length requested. If that is the case, the response body returned can be used as request body for the remaining copy.",
      "type": "string"
    },
    "source_etag": {
      "description": "Expected ETag of the source file returned from /v1/files/{source-id}/info/attributes. If provided, this ETag will be validated against the server to ensure no intermediate change has occurred.",
      "type": "string"
    }
  }
}

```



```
}  
}
```

# files/{ref}/data

## Endpoint

`/v1/files/{ref}/data`

## GET

Return the contents of the file as an HTTP octet stream. The etag returned by this method represents the whole state of this file. In another word, if you are reading just a portion of the data, etag could be invalid because of other changes happened to the file, even the specific portion of data you read is still intact.

## Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>offset</code>	Read data from the requested file starting at the given 64-bit integer offset. If the offset is larger than the size of the file, the read will succeed and no data will be returned.	No
<code>length</code>	Read up to length bytes from the requested file. If the read extends beyond the end of the file, the read will return as many bytes as possible, up to length.	No

## Response

### Codes

Code	Description
200	Return value on success

## PUT

Replace the contents of the file with the body of the request. The target file must already exist, and the content-type of the request must be application/octet-stream.

## Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{  
  "type": "object"  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_files_attributes",
  "type": "object",
  "properties": {
    "path": {
      "description": "Filesystem path of the object",
      "type": "string"
    },
    "name": {
      "description": "Name of this file",
      "type": "string"
    },
    "num_links": {
      "description": "How many directory entries are associated with this file",
      "type": "number"
    },
    "type": {
      "type": "string",
      "enum": [
        "FS_FILE_TYPE_FILE",
        "FS_FILE_TYPE_DIRECTORY",
        "FS_FILE_TYPE_SYMLINK",
        "FS_FILE_TYPE_UNIX_PIPE",
        "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
        "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
        "FS_FILE_TYPE_UNIX_SOCKET"
      ],
      "description": "Resource type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
    },
    "major_minor_numbers": {
      "description": "The major and minor numbers for UNIX device files",
      "type": "object",
      "properties": {
        "major": {
          "description": "major",
          "type": "number"
        },
        "minor": {
          "description": "minor",
          "type": "number"
        }
      }
    }
  }
}

```

```

    }
  },
  "symlink_target_type": {
    "type": "string",
    "enum": [
      "FS_FILE_TYPE_UNKNOWN",
      "FS_FILE_TYPE_FILE",
      "FS_FILE_TYPE_DIRECTORY"
    ],
    "description": "The type of the target file if this file is a symlink:\n * `F
S_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - AP
I_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNOWN"
  },
  "file_number": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "id": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "mode": {
    "description": "POSIX-style file mode (octal)",
    "type": "string"
  },
  "owner": {
    "description": "File owner",
    "type": "string"
  },
  "owner_details": {
    "description": "File owner details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N

```

```

FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"group": {
  "description": "File group",
  "type": "string"
},
"group_details": {
  "description": "File group details",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N
FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"blocks": {
  "description": "Number of blocks used by the file",
  "type": "string"
},
"datablocks": {
  "description": "Number of data blocks used by the file",
  "type": "string"
},
"metablocks": {

```

```

    "description": "Number of meta blocks used by the file",
    "type": "string"
  },
  "size": {
    "description": "File size in bytes",
    "type": "string"
  },
  "access_time": {
    "description": "Last time content was read, RFC 3339 format",
    "type": "string"
  },
  "modification_time": {
    "description": "Last time content was modified, RFC 3339 format",
    "type": "string"
  },
  "change_time": {
    "description": "Last time content or attributes were modified, RFC 3339 format",
    "type": "string"
  },
  "creation_time": {
    "description": "File creation time, RFC 3339 format",
    "type": "string"
  },
  "child_count": {
    "description": "Count of children (valid for directories)",
    "type": "number"
  },
  "extended_attributes": {
    "description": "SMB extended file attributes",
    "type": "object",
    "properties": {
      "read_only": {
        "description": "read_only",
        "type": "boolean"
      },
      "hidden": {
        "description": "hidden",
        "type": "boolean"
      },
      "system": {
        "description": "system",
        "type": "boolean"
      },
      "archive": {
        "description": "archive",

```



```

    "type": "boolean"
  },
  "temporary": {
    "description": "temporary",
    "type": "boolean"
  },
  "compressed": {
    "description": "compressed",
    "type": "boolean"
  },
  "not_content_indexed": {
    "description": "not_content_indexed",
    "type": "boolean"
  },
  "sparse_file": {
    "description": "sparse_file",
    "type": "boolean"
  },
  "offline": {
    "description": "offline",
    "type": "boolean"
  }
}
},
"directory_entry_hash_policy": {
  "type": "string",
  "enum": [
    "FS_DIRECTORY_HASH_VERSION_LOWER",
    "FS_DIRECTORY_HASH_VERSION_FOLDED"
  ],
  "description": "Hash policy for directory entries:\n * `FS_DIRECTORY_HASH_VERSION_FOLDED` - FS_DIRECTORY_HASH_VERSION_FOLDED,\n * `FS_DIRECTORY_HASH_VERSION_LOWER` - FS_DIRECTORY_HASH_VERSION_LOWER"
},
"data_revision": {
  "description": "The revision for changes to the underlying file data.",
  "type": "string"
},
"user_metadata_revision": {
  "description": "The revision for changes to the user defined metadata of the file.",
  "type": "string"
}
}
}

```

## PATCH

Set the contents of the file, at the given offset, to the body of the request. The target file must already exist, and the Content-Type of the request must be application/octet-stream.

### Parameters

Name	Description	Required
<b>ref</b>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<b>offset</b>	Write the provided data at the given 64-bit integer offset. If the offset is greater than the size of the file, the file will be zero-extended up to offset before the data is written. (default: 0)	No
<b>If-Match</b>	ETag for expected version	No

### Request

#### Schema

```
{  
  "type": "object"  
}
```

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_files_attributes",
  "type": "object",
  "properties": {
    "path": {
      "description": "Filesystem path of the object",
      "type": "string"
    },
    "name": {
      "description": "Name of this file",
      "type": "string"
    },
    "num_links": {
      "description": "How many directory entries are associated with this file",
      "type": "number"
    },
    "type": {
      "type": "string",
      "enum": [
        "FS_FILE_TYPE_FILE",
        "FS_FILE_TYPE_DIRECTORY",
        "FS_FILE_TYPE_SYMLINK",
        "FS_FILE_TYPE_UNIX_PIPE",
        "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
        "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
        "FS_FILE_TYPE_UNIX_SOCKET"
      ],
      "description": "Resource type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
    },
    "major_minor_numbers": {
      "description": "The major and minor numbers for UNIX device files",
      "type": "object",
      "properties": {
        "major": {
          "description": "major",
          "type": "number"
        },
        "minor": {
          "description": "minor",
          "type": "number"
        }
      }
    }
  }
}

```

```

    }
  },
  "symlink_target_type": {
    "type": "string",
    "enum": [
      "FS_FILE_TYPE_UNKNOWN",
      "FS_FILE_TYPE_FILE",
      "FS_FILE_TYPE_DIRECTORY"
    ],
    "description": "The type of the target file if this file is a symlink:\n * `F
S_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - AP
I_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNOWN"
  },
  "file_number": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "id": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "mode": {
    "description": "POSIX-style file mode (octal)",
    "type": "string"
  },
  "owner": {
    "description": "File owner",
    "type": "string"
  },
  "owner_details": {
    "description": "File owner details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N

```

```

FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"group": {
  "description": "File group",
  "type": "string"
},
"group_details": {
  "description": "File group details",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ]
    },
    "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N
FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
  },
  "id_value": {
    "description": "id_value",
    "type": "string"
  }
}
},
"blocks": {
  "description": "Number of blocks used by the file",
  "type": "string"
},
"datablocks": {
  "description": "Number of data blocks used by the file",
  "type": "string"
},
"metablocks": {

```

```

    "description": "Number of meta blocks used by the file",
    "type": "string"
  },
  "size": {
    "description": "File size in bytes",
    "type": "string"
  },
  "access_time": {
    "description": "Last time content was read, RFC 3339 format",
    "type": "string"
  },
  "modification_time": {
    "description": "Last time content was modified, RFC 3339 format",
    "type": "string"
  },
  "change_time": {
    "description": "Last time content or attributes were modified, RFC 3339 format",
    "type": "string"
  },
  "creation_time": {
    "description": "File creation time, RFC 3339 format",
    "type": "string"
  },
  "child_count": {
    "description": "Count of children (valid for directories)",
    "type": "number"
  },
  "extended_attributes": {
    "description": "SMB extended file attributes",
    "type": "object",
    "properties": {
      "read_only": {
        "description": "read_only",
        "type": "boolean"
      },
      "hidden": {
        "description": "hidden",
        "type": "boolean"
      },
      "system": {
        "description": "system",
        "type": "boolean"
      },
      "archive": {
        "description": "archive",

```

```

    "type": "boolean"
  },
  "temporary": {
    "description": "temporary",
    "type": "boolean"
  },
  "compressed": {
    "description": "compressed",
    "type": "boolean"
  },
  "not_content_indexed": {
    "description": "not_content_indexed",
    "type": "boolean"
  },
  "sparse_file": {
    "description": "sparse_file",
    "type": "boolean"
  },
  "offline": {
    "description": "offline",
    "type": "boolean"
  }
}
},
"directory_entry_hash_policy": {
  "type": "string",
  "enum": [
    "FS_DIRECTORY_HASH_VERSION_LOWER",
    "FS_DIRECTORY_HASH_VERSION_FOLDED"
  ],
  "description": "Hash policy for directory entries:\n * `FS_DIRECTORY_HASH_VERSION_FOLDED` - FS_DIRECTORY_HASH_VERSION_FOLDED,\n * `FS_DIRECTORY_HASH_VERSION_LOWER` - FS_DIRECTORY_HASH_VERSION_LOWER"
},
"data_revision": {
  "description": "The revision for changes to the underlying file data.",
  "type": "string"
},
"user_metadata_revision": {
  "description": "The revision for changes to the user defined metadata of the file.",
  "type": "string"
}
}
}

```



# files/{ref}/entries/

## Endpoint

`/v1/files/{ref}/entries/`

## GET

Get directory entries. Path or ID must reference a directory.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>smb-pattern</code>	Return only entries matching the give SMB pattern	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_files_directory_entries",
  "type": "object",
  "properties": {
    "path": {
      "description": "path",
      "type": "string"
    },
    "id": {
      "description": "Unique ID of this directory",
      "type": "string"
    },
    "child_count": {
      "description": "child_count",
      "type": "number"
    },
    "files": {
      "type": "array",
      "items": {
        "description": "files",
        "type": "object",
        "properties": {
          "path": {
            "description": "Filesystem path of the object",
            "type": "string"
          },
          "name": {
            "description": "Name of this file",
            "type": "string"
          },
          "num_links": {
            "description": "How many directory entries are associated with this file",
            "type": "number"
          },
          "type": {
            "type": "string",
            "enum": [
              "FS_FILE_TYPE_FILE",
              "FS_FILE_TYPE_DIRECTORY",
              "FS_FILE_TYPE_SYMLINK",
              "FS_FILE_TYPE_UNIX_PIPE",
              "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
              "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
              "FS_FILE_TYPE_UNIX_SOCKET"
            ]
          }
        }
      }
    }
  }
}

```

```

    "description": "Resource type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TY
PE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLIN
K` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNI
X_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACT
ER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYP
E_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
  },
  "major_minor_numbers": {
    "description": "The major and minor numbers for UNIX device files",
    "type": "object",
    "properties": {
      "major": {
        "description": "major",
        "type": "number"
      },
      "minor": {
        "description": "minor",
        "type": "number"
      }
    }
  },
  "symlink_target_type": {
    "type": "string",
    "enum": [
      "FS_FILE_TYPE_UNKNOWN",
      "FS_FILE_TYPE_FILE",
      "FS_FILE_TYPE_DIRECTORY"
    ],
    "description": "The type of the target file if this file is a symlin
k:\n * `FS_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FI
LE` - API_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNO
WN"
  },
  "file_number": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "id": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "mode": {
    "description": "POSIX-style file mode (octal)",
    "type": "string"
  },
  "owner": {

```

```

    "description": "File owner",
    "type": "string"
  },
  "owner_details": {
    "description": "File owner details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ]
      },
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
      "id_value": {
        "description": "id_value",
        "type": "string"
      }
    }
  },
  "group": {
    "description": "File group",
    "type": "string"
  },
  "group_details": {
    "description": "File group details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ]
      }
    }
  }
}

```

```

    ],
    "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
        "description": "id_value",
        "type": "string"
    }
}
},
"blocks": {
    "description": "Number of blocks used by the file",
    "type": "string"
},
"datablocks": {
    "description": "Number of data blocks used by the file",
    "type": "string"
},
"metablocks": {
    "description": "Number of meta blocks used by the file",
    "type": "string"
},
"size": {
    "description": "File size in bytes",
    "type": "string"
},
"access_time": {
    "description": "Last time content was read, RFC 3339 format",
    "type": "string"
},
"modification_time": {
    "description": "Last time content was modified, RFC 3339 format",
    "type": "string"
},
"change_time": {
    "description": "Last time content or attributes were modified, RFC 3339
format",
    "type": "string"
},
"creation_time": {
    "description": "File creation time, RFC 3339 format",
    "type": "string"
},
"child_count": {
    "description": "Count of children (valid for directories)",

```

```

    "type": "number"
  },
  "extended_attributes": {
    "description": "SMB extended file attributes",
    "type": "object",
    "properties": {
      "read_only": {
        "description": "read_only",
        "type": "boolean"
      },
      "hidden": {
        "description": "hidden",
        "type": "boolean"
      },
      "system": {
        "description": "system",
        "type": "boolean"
      },
      "archive": {
        "description": "archive",
        "type": "boolean"
      },
      "temporary": {
        "description": "temporary",
        "type": "boolean"
      },
      "compressed": {
        "description": "compressed",
        "type": "boolean"
      },
      "not_content_indexed": {
        "description": "not_content_indexed",
        "type": "boolean"
      },
      "sparse_file": {
        "description": "sparse_file",
        "type": "boolean"
      },
      "offline": {
        "description": "offline",
        "type": "boolean"
      }
    }
  },
  "directory_entry_hash_policy": {
    "type": "string",

```





Request  
Schema

```

{
  "description": "api_files_create_entry",
  "type": "object",
  "properties": {
    "name": {
      "description": "Name of file to create",
      "type": "string"
    },
    "action": {
      "type": "string",
      "enum": [
        "CREATE_FILE",
        "CREATE_DIRECTORY",
        "CREATE_SYMLINK",
        "CREATE_LINK",
        "RENAME",
        "CREATE_UNIX_FILE"
      ],
      "description": "Operation to perform:\n * `CREATE_DIRECTORY` - CREATE_DIRECTORY,\n * `CREATE_FILE` - CREATE_FILE,\n * `CREATE_LINK` - CREATE_LINK,\n * `CREATE_SYMLINK` - CREATE_SYMLINK,\n * `CREATE_UNIX_FILE` - CREATE_UNIX_FILE,\n * `RENAME` - RENAME"
    },
    "old_path": {
      "description": "Rename source or link target",
      "type": "string"
    },
    "clobber": {
      "description": "When action is RENAME, setting this to true will clobber the destination if it exists.",
      "type": "boolean"
    },
    "symlink_target_type": {
      "type": "string",
      "enum": [
        "FS_FILE_TYPE_UNKNOWN",
        "FS_FILE_TYPE_FILE",
        "FS_FILE_TYPE_DIRECTORY"
      ],
      "description": "The file type of the target to which the symbolic link points. If you don't specify the file type, or if it is FS_FILE_TYPE_UNKNOWN, the effect is the same as running the 'ln -s' command on a Unix NFS client. If the file type is FS_FILE_TYPE_FILE or FS_FILE_TYPE_DIRECTORY, the effect is the same as running the 'mklink' or 'mklink /D' command on a Windows SMB client.:\n * `FS_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - API_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNOWN"
    }
  }
}

```

```

},
"unix_file_type": {
  "type": "string",
  "enum": [
    "FS_FILE_TYPE_FILE",
    "FS_FILE_TYPE_DIRECTORY",
    "FS_FILE_TYPE_SYMLINK",
    "FS_FILE_TYPE_UNIX_PIPE",
    "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
    "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
    "FS_FILE_TYPE_UNIX_SOCKET"
  ],
  "description": "Required when the action is CREATE_UNIX_FILE. You are given the choice of FS_FILE_TYPE_UNIX_BLOCK_DEVICE, FS_FILE_TYPE_UNIX_CHARACTER_DEVICE, FS_FILE_TYPE_UNIX_PIPE or FS_FILE_TYPE_UNIX_SOCKET:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
},
"major_minor_numbers": {
  "description": "When creating a UNIX device file, these are the major and minor numbers",
  "type": "object",
  "properties": {
    "major": {
      "description": "major",
      "type": "number"
    },
    "minor": {
      "description": "minor",
      "type": "number"
    }
  }
}
}
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_files_attributes",
  "type": "object",
  "properties": {
    "path": {
      "description": "Filesystem path of the object",
      "type": "string"
    },
    "name": {
      "description": "Name of this file",
      "type": "string"
    },
    "num_links": {
      "description": "How many directory entries are associated with this file",
      "type": "number"
    },
    "type": {
      "type": "string",
      "enum": [
        "FS_FILE_TYPE_FILE",
        "FS_FILE_TYPE_DIRECTORY",
        "FS_FILE_TYPE_SYMLINK",
        "FS_FILE_TYPE_UNIX_PIPE",
        "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
        "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
        "FS_FILE_TYPE_UNIX_SOCKET"
      ],
      "description": "Resource type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
    },
    "major_minor_numbers": {
      "description": "The major and minor numbers for UNIX device files",
      "type": "object",
      "properties": {
        "major": {
          "description": "major",
          "type": "number"
        },
        "minor": {
          "description": "minor",
          "type": "number"
        }
      }
    }
  }
}

```

```

    }
  },
  "symlink_target_type": {
    "type": "string",
    "enum": [
      "FS_FILE_TYPE_UNKNOWN",
      "FS_FILE_TYPE_FILE",
      "FS_FILE_TYPE_DIRECTORY"
    ],
    "description": "The type of the target file if this file is a symlink:\n * `F
S_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - AP
I_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNOWN"
  },
  "file_number": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "id": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "mode": {
    "description": "POSIX-style file mode (octal)",
    "type": "string"
  },
  "owner": {
    "description": "File owner",
    "type": "string"
  },
  "owner_details": {
    "description": "File owner details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N

```

```

FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"group": {
  "description": "File group",
  "type": "string"
},
"group_details": {
  "description": "File group details",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ]
    },
    "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N
FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
  },
  "id_value": {
    "description": "id_value",
    "type": "string"
  }
}
},
"blocks": {
  "description": "Number of blocks used by the file",
  "type": "string"
},
"datablocks": {
  "description": "Number of data blocks used by the file",
  "type": "string"
},
"metablocks": {

```

```

    "description": "Number of meta blocks used by the file",
    "type": "string"
  },
  "size": {
    "description": "File size in bytes",
    "type": "string"
  },
  "access_time": {
    "description": "Last time content was read, RFC 3339 format",
    "type": "string"
  },
  "modification_time": {
    "description": "Last time content was modified, RFC 3339 format",
    "type": "string"
  },
  "change_time": {
    "description": "Last time content or attributes were modified, RFC 3339 format",
    "type": "string"
  },
  "creation_time": {
    "description": "File creation time, RFC 3339 format",
    "type": "string"
  },
  "child_count": {
    "description": "Count of children (valid for directories)",
    "type": "number"
  },
  "extended_attributes": {
    "description": "SMB extended file attributes",
    "type": "object",
    "properties": {
      "read_only": {
        "description": "read_only",
        "type": "boolean"
      },
      "hidden": {
        "description": "hidden",
        "type": "boolean"
      },
      "system": {
        "description": "system",
        "type": "boolean"
      },
      "archive": {
        "description": "archive",

```



```

    "type": "boolean"
  },
  "temporary": {
    "description": "temporary",
    "type": "boolean"
  },
  "compressed": {
    "description": "compressed",
    "type": "boolean"
  },
  "not_content_indexed": {
    "description": "not_content_indexed",
    "type": "boolean"
  },
  "sparse_file": {
    "description": "sparse_file",
    "type": "boolean"
  },
  "offline": {
    "description": "offline",
    "type": "boolean"
  }
}
},
"directory_entry_hash_policy": {
  "type": "string",
  "enum": [
    "FS_DIRECTORY_HASH_VERSION_LOWER",
    "FS_DIRECTORY_HASH_VERSION_FOLDED"
  ],
  "description": "Hash policy for directory entries:\n * `FS_DIRECTORY_HASH_VERSION_FOLDED` - FS_DIRECTORY_HASH_VERSION_FOLDED,\n * `FS_DIRECTORY_HASH_VERSION_LOWER` - FS_DIRECTORY_HASH_VERSION_LOWER"
},
"data_revision": {
  "description": "The revision for changes to the underlying file data.",
  "type": "string"
},
"user_metadata_revision": {
  "description": "The revision for changes to the user defined metadata of the file.",
  "type": "string"
}
}
}

```

# files/{ref}/info/acl

## Endpoint

`/v1/files/{ref}/info/acl`

## GET

Get file access control list (ACL).

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_files_acl_out",
  "type": "object",
  "properties": {
    "generated": {
      "description": "Set to true if the system has generated an ACL from Unix permissions",
      "type": "boolean"
    },
    "acl": {
      "description": "acl",
      "type": "object",
      "properties": {
        "control": {
          "description": "control",
          "type": "array",
          "items": {
            "type": "string",
            "enum": [
              "PRESENT",
              "DEFAULTED",
              "TRUSTED",
              "AUTO_INHERIT",
              "PROTECTED",
              "ACL_CONTROLS_ALL"
            ]
          },
          "description": "control:\n * `ACL_CONTROLS_ALL` - All ACL controls,\n * `AUTO_INHERIT` - Set whether the ACL was created through inheritance,\n * `DEFAULTED` - Sets whether the ACL was established by default means,\n * `PRESENT` - Set when ACL is present on the object,\n * `PROTECTED` - Protects ACL from inherit operations,\n * `TRUSTED` - Set when ACL is provided by a trusted source"
        },
        "posix_special_permissions": {
          "type": "array",
          "items": {
            "type": "string",
            "enum": [
              "STICKY_BIT",
              "SET_GID",
              "SET_UID"
            ]
          },
          "description": "posix_special_permissions:\n * `SET_GID` - SET_GID,\n * `SET_UID` - SET_UID,\n * `STICKY_BIT` - STICKY_BIT"
        }
      }
    }
  }
}

```

```

"aces": {
  "type": "array",
  "items": {
    "description": "aces",
    "type": "object",
    "properties": {
      "type": {
        "type": "string",
        "enum": [
          "ALLOWED",
          "DENIED"
        ],
        "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entry that grants rights,\n * `DENIED` - An ACL entry that denies rights"
      },
      "flags": {
        "description": "ACE flags for this ACL entry",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "OBJECT_INHERIT",
            "CONTAINER_INHERIT",
            "NO_PROPAGATE_INHERIT",
            "INHERIT_ONLY",
            "INHERITED",
            "ACE_FLAGS_ALL"
          ],
          "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL` - All ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as effective ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY` - Indicates an inherit-only ACE that doesn't control access to the attached object,\n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n * `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"
        }
      },
      "trustee": {
        "description": "Trustee for this ACL entry",
        "type": "string"
      },
      "trustee_details": {
        "description": "Trustee details for this ACL entry",
        "type": "object",
        "properties": {
          "id_type": {

```

```

        "type": "string",
        "enum": [
            "LOCAL_USER",
            "LOCAL_GROUP",
            "NFS_GID",
            "NFS_UID",
            "SMB_SID",
            "INTERNAL",
            "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_G
        ROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NF
        S_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
        "description": "id_value",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights granted or denied for this ACL entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE",
            "ACCESS_RIGHTS_ALL"
        ]
    },
    "description": "Rights granted or denied for this ACL entry:\n *

```



Request  
Schema



```

{
  "description": "api_files_acl",
  "type": "object",
  "properties": {
    "control": {
      "description": "control",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "PRESENT",
          "DEFAULTED",
          "TRUSTED",
          "AUTO_INHERIT",
          "PROTECTED",
          "ACL_CONTROLS_ALL"
        ]
      },
      "description": "control:\n * `ACL_CONTROLS_ALL` - All ACL controls,\n * `AUT\nO_INHERIT` - Set whether the ACL was created through inheritance,\n * `DEFAULTED` -\nSets whether the ACL was established by default means,\n * `PRESENT` - Set when ACL\nis present on the object,\n * `PROTECTED` - Protects ACL from inherit operations,\n\n* `TRUSTED` - Set when ACL is provided by a trusted source"
    },
    "posix_special_permissions": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "STICKY_BIT",
          "SET_GID",
          "SET_UID"
        ]
      },
      "description": "posix_special_permissions:\n * `SET_GID` - SET_GID,\n * `SE\nT_UID` - SET_UID,\n * `STICKY_BIT` - STICKY_BIT"
    },
    "aces": {
      "type": "array",
      "items": {
        "description": "aces",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [

```

```

        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entry tha
t grants rights,\n * `DENIED` - An ACL entry that denies rights"
},
"flags": {
    "description": "ACE flags for this ACL entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "OBJECT_INHERIT",
            "CONTAINER_INHERIT",
            "NO_PROPAGATE_INHERIT",
            "INHERIT_ONLY",
            "INHERITED",
            "ACE_FLAGS_ALL"
        ],
        "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL` - Al
l ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as effec
tive ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY` - In
dicates an inherit-only ACE that doesn't control access to the attached object,\n *
`NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n * `OBJEC
T_INHERIT` - Non-container children inherit as effective ACE. Container objects inhe
rit as inherit-only ACE"
    }
},
"trustee": {
    "description": "Trustee for this ACL entry",
    "type": "string"
},
"trustee_details": {
    "description": "Trustee details for this ACL entry",
    "type": "object",
    "properties": {
        "id_type": {
            "type": "string",
            "enum": [
                "LOCAL_USER",
                "LOCAL_GROUP",
                "NFS_GID",
                "NFS_UID",
                "SMB_SID",
                "INTERNAL",
                "QUMULO_OPERATOR"
            ]
        }
    }
}

```

```

    ],
    "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
  },
  "id_value": {
    "description": "id_value",
    "type": "string"
  }
}
},
"rights": {
  "description": "Rights granted or denied for this ACL entry",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
      "EXECUTE",
      "MODIFY",
      "EXTEND",
      "ADD_FILE",
      "ADD_SUBDIR",
      "DELETE_CHILD",
      "SYNCHRONIZE",
      "ACCESS_RIGHTS_ALL"
    ]
  },
  "description": "Rights granted or denied for this ACL entry:\n * `ACCE
SS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n * `AD
D_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write access,\n *
`DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory access,\n * `EX
ECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIFY` - File m
odification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL read acces
s,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attribute read
access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL write acc
ess,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended attribute
write access,\n * `WRITE_GROUP` - Group write access"
}

```

```
}  
  }  
  }  
  }  
  }  
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_files_acl_out",
  "type": "object",
  "properties": {
    "generated": {
      "description": "Set to true if the system has generated an ACL from Unix permissions",
      "type": "boolean"
    },
    "acl": {
      "description": "acl",
      "type": "object",
      "properties": {
        "control": {
          "description": "control",
          "type": "array",
          "items": {
            "type": "string",
            "enum": [
              "PRESENT",
              "DEFAULTED",
              "TRUSTED",
              "AUTO_INHERIT",
              "PROTECTED",
              "ACL_CONTROLS_ALL"
            ]
          },
          "description": "control:\n * `ACL_CONTROLS_ALL` - All ACL controls,\n * `AUTO_INHERIT` - Set whether the ACL was created through inheritance,\n * `DEFAULTED` - Sets whether the ACL was established by default means,\n * `PRESENT` - Set when ACL is present on the object,\n * `PROTECTED` - Protects ACL from inherit operations,\n * `TRUSTED` - Set when ACL is provided by a trusted source"
        },
        "posix_special_permissions": {
          "type": "array",
          "items": {
            "type": "string",
            "enum": [
              "STICKY_BIT",
              "SET_GID",
              "SET_UID"
            ]
          },
          "description": "posix_special_permissions:\n * `SET_GID` - SET_GID,\n * `SET_UID` - SET_UID,\n * `STICKY_BIT` - STICKY_BIT"
        }
      }
    }
  }
}

```

```

"aces": {
  "type": "array",
  "items": {
    "description": "aces",
    "type": "object",
    "properties": {
      "type": {
        "type": "string",
        "enum": [
          "ALLOWED",
          "DENIED"
        ],
        "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entry that grants rights,\n * `DENIED` - An ACL entry that denies rights"
      },
      "flags": {
        "description": "ACE flags for this ACL entry",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "OBJECT_INHERIT",
            "CONTAINER_INHERIT",
            "NO_PROPAGATE_INHERIT",
            "INHERIT_ONLY",
            "INHERITED",
            "ACE_FLAGS_ALL"
          ],
          "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL` - All ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as effective ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY` - Indicates an inherit-only ACE that doesn't control access to the attached object,\n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n * `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"
        }
      },
      "trustee": {
        "description": "Trustee for this ACL entry",
        "type": "string"
      },
      "trustee_details": {
        "description": "Trustee details for this ACL entry",
        "type": "object",
        "properties": {
          "id_type": {

```

```

        "type": "string",
        "enum": [
            "LOCAL_USER",
            "LOCAL_GROUP",
            "NFS_GID",
            "NFS_UID",
            "SMB_SID",
            "INTERNAL",
            "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_G
        ROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NF
        S_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
        "description": "id_value",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights granted or denied for this ACL entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE",
            "ACCESS_RIGHTS_ALL"
        ]
    },
    "description": "Rights granted or denied for this ACL entry:\n *

```



`ACCESS\_RIGHTS\_ALL` - All access rights,\n \* `ADD\_FILE` - File creation access,\n \* `ADD\_SUBDIR` - Directory creation access,\n \* `CHANGE\_OWNER` - Owner write access,\n \* `DELETE` - Delete access,\n \* `DELETE\_CHILD` - Delete from directory access,\n \* `EXECUTE` - Execute access,\n \* `EXTEND` - File extension access,\n \* `MODIFY` - File modification access,\n \* `READ` - File read access,\n \* `READ\_ACL` - ACL read access,\n \* `READ\_ATTR` - Attribute read access,\n \* `READ\_EA` - Extended attribute read access,\n \* `SYNCHRONIZE` - File synchronize access,\n \* `WRITE\_ACL` - ACL write access,\n \* `WRITE\_ATTR` - Attribute write access,\n \* `WRITE\_EA` - Extended attribute write access,\n \* `WRITE\_GROUP` - Group write access"

```
    }  
  }  
}
```

# files/{ref}/info/acl

## Endpoint

`/v2/files/{ref}/info/acl`

## GET

Get file access control list (ACL).

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_files_acl_v2",
  "type": "object",
  "properties": {
    "control": {
      "description": "control",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "PRESENT",
          "DEFAULTED",
          "TRUSTED",
          "AUTO_INHERIT",
          "PROTECTED",
          "ACL_CONTROLS_ALL"
        ]
      },
      "description": "control:\n * `ACL_CONTROLS_ALL` - All ACL controls,\n * `AUT\nO_INHERIT` - Set whether the ACL was created through inheritance,\n * `DEFAULTED` -\nSets whether the ACL was established by default means,\n * `PRESENT` - Set when ACL\nis present on the object,\n * `PROTECTED` - Protects ACL from inherit operations,\n\n* `TRUSTED` - Set when ACL is provided by a trusted source"
    },
    "posix_special_permissions": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "STICKY_BIT",
          "SET_GID",
          "SET_UID"
        ]
      },
      "description": "posix_special_permissions:\n * `SET_GID` - SET_GID,\n * `SE\nT_UID` - SET_UID,\n * `STICKY_BIT` - STICKY_BIT"
    },
    "aces": {
      "type": "array",
      "items": {
        "description": "aces",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [

```

```

        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entry that grants rights,\n * `DENIED` - An ACL entry that denies rights"
},
"flags": {
    "description": "ACE flags for this ACL entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "OBJECT_INHERIT",
            "CONTAINER_INHERIT",
            "NO_PROPAGATE_INHERIT",
            "INHERIT_ONLY",
            "INHERITED",
            "ACE_FLAGS_ALL"
        ],
        "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL` - All ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as effective ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY` - Indicates an inherit-only ACE that doesn't control access to the attached object,\n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n * `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"
    }
},
"trustee": {
    "description": "Trustee for this ACL entry",
    "type": "object",
    "properties": {
        "domain": {
            "type": "string",
            "enum": [
                "LOCAL",
                "API_NULL_DOMAIN",
                "WORLD",
                "POSIX_USER",
                "POSIX_GROUP",
                "ACTIVE_DIRECTORY",
                "API_INVALID_DOMAIN",
                "API_RESERVED_DOMAIN",
                "API_INTERNAL_DOMAIN",
                "API_OPERATOR_DOMAIN",
                "API_CREATOR_DOMAIN"
            ]
        }
    }
}

```

```

    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
  },
  "auth_id": {
    "description": "auth_id",
    "type": "string"
  },
  "uid": {
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"rights": {
  "description": "Rights granted or denied for this ACL entry",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
    ]
  }
}

```



Request  
Schema



```

{
  "description": "api_files_acl_v2",
  "type": "object",
  "properties": {
    "control": {
      "description": "control",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "PRESENT",
          "DEFAULTED",
          "TRUSTED",
          "AUTO_INHERIT",
          "PROTECTED",
          "ACL_CONTROLS_ALL"
        ]
      },
      "description": "control:\n * `ACL_CONTROLS_ALL` - All ACL controls,\n * `AUT\nO_INHERIT` - Set whether the ACL was created through inheritance,\n * `DEFAULTED` -\nSets whether the ACL was established by default means,\n * `PRESENT` - Set when ACL\nis present on the object,\n * `PROTECTED` - Protects ACL from inherit operations,\n\n* `TRUSTED` - Set when ACL is provided by a trusted source"
    },
    "posix_special_permissions": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "STICKY_BIT",
          "SET_GID",
          "SET_UID"
        ]
      },
      "description": "posix_special_permissions:\n * `SET_GID` - SET_GID,\n * `SE\nT_UID` - SET_UID,\n * `STICKY_BIT` - STICKY_BIT"
    },
    "aces": {
      "type": "array",
      "items": {
        "description": "aces",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [

```

```

        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entry tha
t grants rights,\n * `DENIED` - An ACL entry that denies rights"
},
"flags": {
    "description": "ACE flags for this ACL entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "OBJECT_INHERIT",
            "CONTAINER_INHERIT",
            "NO_PROPAGATE_INHERIT",
            "INHERIT_ONLY",
            "INHERITED",
            "ACE_FLAGS_ALL"
        ],
        "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL` - Al
l ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as effec
tive ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY` - In
dicates an inherit-only ACE that doesn't control access to the attached object,\n *
`NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n * `OBJEC
T_INHERIT` - Non-container children inherit as effective ACE. Container objects inhe
rit as inherit-only ACE"
    }
},
"trustee": {
    "description": "Trustee for this ACL entry",
    "type": "object",
    "properties": {
        "domain": {
            "type": "string",
            "enum": [
                "LOCAL",
                "API_NULL_DOMAIN",
                "WORLD",
                "POSIX_USER",
                "POSIX_GROUP",
                "ACTIVE_DIRECTORY",
                "API_INVALID_DOMAIN",
                "API_RESERVED_DOMAIN",
                "API_INTERNAL_DOMAIN",
                "API_OPERATOR_DOMAIN",
                "API_CREATOR_DOMAIN"
            ]
        }
    }
}

```

```

    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
  },
  "auth_id": {
    "description": "auth_id",
    "type": "string"
  },
  "uid": {
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"rights": {
  "description": "Rights granted or denied for this ACL entry",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
    ]
  }
}

```



## Schema

```

{
  "description": "api_files_acl_v2",
  "type": "object",
  "properties": {
    "control": {
      "description": "control",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "PRESENT",
          "DEFAULTED",
          "TRUSTED",
          "AUTO_INHERIT",
          "PROTECTED",
          "ACL_CONTROLS_ALL"
        ]
      },
      "description": "control:\n * `ACL_CONTROLS_ALL` - All ACL controls,\n * `AUT\nO_INHERIT` - Set whether the ACL was created through inheritance,\n * `DEFAULTED` -\nSets whether the ACL was established by default means,\n * `PRESENT` - Set when ACL\nis present on the object,\n * `PROTECTED` - Protects ACL from inherit operations,\n\n* `TRUSTED` - Set when ACL is provided by a trusted source"
    },
    "posix_special_permissions": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "STICKY_BIT",
          "SET_GID",
          "SET_UID"
        ]
      },
      "description": "posix_special_permissions:\n * `SET_GID` - SET_GID,\n * `SE\nT_UID` - SET_UID,\n * `STICKY_BIT` - STICKY_BIT"
    },
    "aces": {
      "type": "array",
      "items": {
        "description": "aces",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [

```

```

        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entry that grants rights,\n * `DENIED` - An ACL entry that denies rights"
},
"flags": {
    "description": "ACE flags for this ACL entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "OBJECT_INHERIT",
            "CONTAINER_INHERIT",
            "NO_PROPAGATE_INHERIT",
            "INHERIT_ONLY",
            "INHERITED",
            "ACE_FLAGS_ALL"
        ],
        "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL` - All ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as effective ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY` - Indicates an inherit-only ACE that doesn't control access to the attached object,\n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n * `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"
    }
},
"trustee": {
    "description": "Trustee for this ACL entry",
    "type": "object",
    "properties": {
        "domain": {
            "type": "string",
            "enum": [
                "LOCAL",
                "API_NULL_DOMAIN",
                "WORLD",
                "POSIX_USER",
                "POSIX_GROUP",
                "ACTIVE_DIRECTORY",
                "API_INVALID_DOMAIN",
                "API_RESERVED_DOMAIN",
                "API_INTERNAL_DOMAIN",
                "API_OPERATOR_DOMAIN",
                "API_CREATOR_DOMAIN"
            ]
        }
    }
}

```

```

    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
  },
  "auth_id": {
    "description": "auth_id",
    "type": "string"
  },
  "uid": {
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"rights": {
  "description": "Rights granted or denied for this ACL entry",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
    ]
  }
}

```



```
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights granted or denied for this ACL entry:\n * `ACCE
SS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n * `AD
D_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write access,\n *
`DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory access,\n * `EX
ECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIFY` - File m
odification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL read acces
s,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attribute read
access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL write acc
ess,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended attribute
write access,\n * `WRITE_GROUP` - Group write access"
    }
}
}
}
}
}
}
```

# files/{ref}/info/acl/explain-posix-mode

## Endpoint

`/v1/files/{ref}/info/acl/explain-posix-mode`

## POST

Explain the derived POSIX mode for a file/directory.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_files_derive_mode_explanation",
  "type": "object",
  "properties": {
    "mode": {
      "description": "The resulting mode",
      "type": "string"
    },
    "owner": {
      "description": "The user that owns the file.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        }
      }
    }
  }
}

```

```

    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "group_owner": {
    "description": "The group-owner for the file.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {
        "description": "gid",

```

```

    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"posix_special_permissions": {
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "STICKY_BIT",
      "SET_GID",
      "SET_UID"
    ],
    "description": "posix_special_permissions:\n * `SET_GID` - SET_GID,\n * `SE
T_UID` - SET_UID,\n * `STICKY_BIT` - STICKY_BIT"
  }
},
"annotated_acl": {
  "type": "array",
  "items": {
    "description": "The explanation of the ACL's contribution to the derived mod
e at the point of each ACE.",
    "type": "object",
    "properties": {
      "ace": {
        "description": "Exact copy of the FS ACE.",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entr
y that grants rights,\n * `DENIED` - An ACL entry that denies rights"
          },
          "flags": {

```

```

    "description": "ACE flags for this ACL entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "OBJECT_INHERIT",
        "CONTAINER_INHERIT",
        "NO_PROPAGATE_INHERIT",
        "INHERIT_ONLY",
        "INHERITED",
        "ACE_FLAGS_ALL"
      ],
      "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL`  

- All ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as effective ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY`  

- Indicates an inherit-only ACE that doesn't control access to the attached object,\n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n * `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"
    }
  },
  "trustee": {
    "description": "Trustee for this ACL entry",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      }
    }
  }
}

```

```

    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
},
"rights": {
  "description": "Rights granted or denied for this ACL entry",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
      "EXECUTE",
      "MODIFY",
      "EXTEND",
      "ADD_FILE",
      "ADD_SUBDIR",
      "DELETE_CHILD",
      "SYNCHRONIZE",

```



```

        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights granted or denied for this ACL entry:\n *
`ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n *
`ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write acces
s,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory acces
s,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIF
Y` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL r
ead access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attrib
ute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL
write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended a
ttribute write access,\n * `WRITE_GROUP` - Group write access"
    }
}
},
"is_inherit_only": {
    "description": "Whether the ACE is inherit-only, and therefore whether w
e ignore the rights.",
    "type": "boolean"
},
"owner_rights": {
    "description": "Owner rights granted by this ACE.",
    "type": "object",
    "properties": {
        "match": {
            "type": "string",
            "enum": [
                "NONE",
                "EQUIVALENT",
                "EVERYONE",
                "POTENTIALLY_AFFECTED"
            ],
            "description": "Match information for the current ACE trustee, i.e.
why the ACE is affecting the mode segment or not.: \n * `EQUIVALENT` - TRUSTEE_MATC
H_EQUIVALENT, \n * `EVERYONE` - TRUSTEE_MATCH_EVERYONE, \n * `NONE` - TRUSTEE_MATCH_NO
NE, \n * `POTENTIALLY_AFFECTED` - TRUSTEE_MATCH_POTENTIALLY_AFFECTED"
        },
        "newly_allowed": {
            "description": "Rights allowed by the current ACE.",
            "type": "array",
            "items": {
                "type": "string",
                "enum": [
                    "READ",
                    "READ_EA",

```

```

        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights allowed by the current ACE.:\\n * `ACCESS_RI
GHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDI
R` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELET
E` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUT
E` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modif
ication access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n
 * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read acces
s,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write acces
s,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute wr
ite access,\\n * `WRITE_GROUP` - Group write access"
    }
},
"cumulative_allowed": {
    "description": "Rights allowed in total so far.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",

```

```

        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights allowed in total so far.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write access,\\n * `WRITE_GROUP` - Group write access"
    }
},
"newly_denied": {
    "description": "Rights denied by the current ACE.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE",
            "ACCESS_RIGHTS_ALL"
        ]
    },
    "description": "Rights denied by the current ACE.:\\n * `ACCESS_RIG

```

```

HTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDI
R` - Directory creation access,\n * `CHANGE_OWNER` - Owner write access,\n * `DELET
E` - Delete access,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUT
E` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modif
ication access,\n * `READ` - File read access,\n * `READ_ACL` - ACL read access,\n
 * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attribute read acces
s,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL write acces
s,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended attribute wr
ite access,\n * `WRITE_GROUP` - Group write access"
    }
  },
  "cumulative_denied": {
    "description": "Rights denied in total so far.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
      ]
    },
    "description": "Rights denied in total so far.:\\n * `ACCESS_RIGHT
S_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR`
- Directory creation access,\n * `CHANGE_OWNER` - Owner write access,\n * `DELETE`
- Delete access,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` -
Execute access,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modificati
on access,\n * `READ` - File read access,\n * `READ_ACL` - ACL read access,\n * `REA
D_ATTR` - Attribute read access,\n * `READ_EA` - Extended attribute read access,\n
 * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL write access,\n *
`WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended attribute write acc
ess,\n * `WRITE_GROUP` - Group write access"
  }
}

```

```

    }
  }
},
"group_rights": {
  "description": "Group rights granted by this ACE.",
  "type": "object",
  "properties": {
    "match": {
      "type": "string",
      "enum": [
        "NONE",
        "EQUIVALENT",
        "EVERYONE",
        "POTENTIALLY_AFFECTED"
      ],
      "description": "Match information for the current ACE trustee, i.e.
why the ACE is affecting the mode segment or not.:
\n * `EQUIVALENT` - TRUSTEE_MATCH_EQUIVALENT,
\n * `EVERYONE` - TRUSTEE_MATCH_EVERYONE,
\n * `NONE` - TRUSTEE_MATCH_NONE,
\n * `POTENTIALLY_AFFECTED` - TRUSTEE_MATCH_POTENTIALLY_AFFECTED"
    },
    "newly_allowed": {
      "description": "Rights allowed by the current ACE.",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "READ",
          "READ_EA",
          "READ_ATTR",
          "READ_ACL",
          "WRITE_EA",
          "WRITE_ATTR",
          "WRITE_ACL",
          "CHANGE_OWNER",
          "WRITE_GROUP",
          "DELETE",
          "EXECUTE",
          "MODIFY",
          "EXTEND",
          "ADD_FILE",
          "ADD_SUBDIR",
          "DELETE_CHILD",
          "SYNCHRONIZE",
          "ACCESS_RIGHTS_ALL"
        ]
      }
    }
  }
},

```

```

        "description": "Rights allowed by the current ACE.:\\n * `ACCESS_RI
GHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDI
R` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELET
E` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUT
E` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modif
ication access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n
 * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read acces
s,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write acces
s,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute wr
ite access,\\n * `WRITE_GROUP` - Group write access"
    }
  },
  "cumulative_allowed": {
    "description": "Rights allowed in total so far.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
      ]
    },
    "description": "Rights allowed in total so far.:\\n * `ACCESS_RIGH
T_S_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR`
 - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE`
 - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` -
Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modificati
on access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `REA
D_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n
 * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n *
`WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write acc

```

```

ess,\n * `WRITE_GROUP` - Group write access"
    }
  },
  "newly_denied": {
    "description": "Rights denied by the current ACE.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
      ],
      "description": "Rights denied by the current ACE.:\\n * `ACCESS_RIG
HTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDI
R` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELET
E` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUT
E` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modif
ication access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n
 * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read acces
s,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write acces
s,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute wr
ite access,\\n * `WRITE_GROUP` - Group write access"
    }
  },
  "cumulative_denied": {
    "description": "Rights denied in total so far.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [

```

```

        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights denied in total so far.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write access,\\n * `WRITE_GROUP` - Group write access"
    }
}
},
"other_rights": {
    "description": "Other rights granted by this ACE.",
    "type": "object",
    "properties": {
        "match": {
            "type": "string",
            "enum": [
                "NONE",
                "EQUIVALENT",
                "EVERYONE",
                "POTENTIALLY_AFFECTED"
            ],
            "description": "Match information for the current ACE trustee, i.e."
        }
    }
}
}
}

```



```

why the ACE is affecting the mode segment or not.:
\n * `EQUIVALENT` - TRUSTEE_MATCH_EQUIVALENT,
\n * `EVERYONE` - TRUSTEE_MATCH_EVERYONE,
\n * `NONE` - TRUSTEE_MATCH_NONE,
\n * `POTENTIALLY_AFFECTED` - TRUSTEE_MATCH_POTENTIALLY_AFFECTED"
    },
    "newly_allowed": {
      "description": "Rights allowed by the current ACE.",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "READ",
          "READ_EA",
          "READ_ATTR",
          "READ_ACL",
          "WRITE_EA",
          "WRITE_ATTR",
          "WRITE_ACL",
          "CHANGE_OWNER",
          "WRITE_GROUP",
          "DELETE",
          "EXECUTE",
          "MODIFY",
          "EXTEND",
          "ADD_FILE",
          "ADD_SUBDIR",
          "DELETE_CHILD",
          "SYNCHRONIZE",
          "ACCESS_RIGHTS_ALL"
        ]
      },
      "description": "Rights allowed by the current ACE.:
\n * `ACCESS_RIGHTS_ALL` - All access rights,
\n * `ADD_FILE` - File creation access,
\n * `ADD_SUBDIR` - Directory creation access,
\n * `CHANGE_OWNER` - Owner write access,
\n * `DELETE` - Delete access,
\n * `DELETE_CHILD` - Delete from directory access,
\n * `EXECUTE` - Execute access,
\n * `EXTEND` - File extension access,
\n * `MODIFY` - File modification access,
\n * `READ` - File read access,
\n * `READ_ACL` - ACL read access,
\n * `READ_ATTR` - Attribute read access,
\n * `READ_EA` - Extended attribute read access,
\n * `SYNCHRONIZE` - File synchronize access,
\n * `WRITE_ACL` - ACL write access,
\n * `WRITE_ATTR` - Attribute write access,
\n * `WRITE_EA` - Extended attribute write access,
\n * `WRITE_GROUP` - Group write access"
    }
  },
  "cumulative_allowed": {
    "description": "Rights allowed in total so far.",
    "type": "array",
    "items": {
      "type": "string",

```

```

    "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights allowed in total so far.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write access,\\n * `WRITE_GROUP` - Group write access"
  }
},
"newly_denied": {
  "description": "Rights denied by the current ACE.",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",

```

```

        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights denied by the current ACE.:\\n * `ACCESS_RIG
HTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDI
R` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELET
E` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUT
E` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modif
ication access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n
 * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read acces
s,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write acces
s,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute wr
ite access,\\n * `WRITE_GROUP` - Group write access"
    }
},
"cumulative_denied": {
    "description": "Rights denied in total so far.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE",

```



# files/{ref}/info/acl/explain-rights

## Endpoint

`/v1/files/{ref}/info/acl/explain-rights`

## POST

Explain how rights are granted to a user for a file/directory.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

Request  
Schema

```

{
  "description": "api_files_effective_rights_post",
  "type": "object",
  "properties": {
    "user": {
      "description": "The user for whom to explain effective rights.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```

    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "primary_group": {
    "description": "The user's primary group.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {
        "description": "gid",
        "type": "number"
      },
      "sid": {
        "description": "sid",

```



```

    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
},
"auxiliary_identities": {
  "type": "array",
  "items": {
    "description": "Any auxiliary identities for the user, e.g. additional groups or related identities.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {

```

```
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_files_effective_rights_explanation",
  "type": "object",
  "properties": {
    "owner": {
      "description": "The user that owns the file.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```

    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "group_owner": {
    "description": "The group-owner for the file.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {
        "description": "gid",
        "type": "number"
      },
      "sid": {
        "description": "sid",

```

```

    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"requestor": {
  "description": "The full identity whose rights are described.",
  "type": "object",
  "properties": {
    "user": {
      "description": "The user for whose rights are being explained.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n
* `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNA
L_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP
I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DO
MAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        }
      }
    }
  }
}

```

```

    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
},
"primary_group": {
  "description": "The user's primary group.",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n
* `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNA
L_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP
I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DO
MAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    "uid": {
      "description": "uid",

```

```

        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"auxiliary_identities": {
    "type": "array",
    "items": {
        "description": "Any auxiliary identities for the user, e.g. additional groups or related identities.",
        "type": "object",
        "properties": {
            "domain": {
                "type": "string",
                "enum": [
                    "LOCAL",
                    "API_NULL_DOMAIN",
                    "WORLD",
                    "POSIX_USER",
                    "POSIX_GROUP",
                    "ACTIVE_DIRECTORY",
                    "API_INVALID_DOMAIN",
                    "API_RESERVED_DOMAIN",
                    "API_INTERNAL_DOMAIN",
                    "API_OPERATOR_DOMAIN",
                    "API_CREATOR_DOMAIN"
                ]
            },
            "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        }
    },
    "auth_id": {

```



```

        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
}
}
},
"admin_priv_rights": {
    "description": "Rights granted by possessing the administrator privilege.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",

```

```

        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights granted by possessing the administrator privileg
e.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation acce
ss,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write a
ccess,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory acce
ss,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIF
Y` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL r
ead access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attrib
ute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL
write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended a
ttribute write access,\\n * `WRITE_GROUP` - Group write access"
    }
},
"read_attr_priv_rights": {
    "description": "Rights granted by possessing the privilege to read attribute
s.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE",
            "ACCESS_RIGHTS_ALL"
        ],
    },
    "description": "Rights granted by possessing the privilege to read attribute
s.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation acce
ss,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write a
ccess,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory acce
ss,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIF

```

```

Y` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL r
ead access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attrib
ute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL
write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended a
ttribute write access,\n * `WRITE_GROUP` - Group write access"
    }
  },
  "annotated_aces": {
    "type": "array",
    "items": {
      "description": "An ACE-by-ACE explanation of rights granted to the user.",
      "type": "object",
      "properties": {
        "ace": {
          "description": "Exact copy of the FS ACE.",
          "type": "object",
          "properties": {
            "type": {
              "type": "string",
              "enum": [
                "ALLOWED",
                "DENIED"
              ]
            },
            "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entr
y that grants rights,\n * `DENIED` - An ACL entry that denies rights"
          }
        },
        "flags": {
          "description": "ACE flags for this ACL entry",
          "type": "array",
          "items": {
            "type": "string",
            "enum": [
              "OBJECT_INHERIT",
              "CONTAINER_INHERIT",
              "NO_PROPAGATE_INHERIT",
              "INHERIT_ONLY",
              "INHERITED",
              "ACE_FLAGS_ALL"
            ]
          },
          "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL`
- All ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as e
ffective ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY`
- Indicates an inherit-only ACE that doesn't control access to the attached objec
t,\n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n
* `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container obje
cts inherit as inherit-only ACE"
        }
      }
    }
  }
}

```

```

    }
  },
  "trustee": {
    "description": "Trustee for this ACL entry",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {
        "description": "gid",
        "type": "number"
      },
      "sid": {
        "description": "sid",
        "type": "string"
      },
      "name": {
        "description": "name",

```

```

        "type": "string"
    }
}
},
"rights": {
    "description": "Rights granted or denied for this ACL entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE",
            "ACCESS_RIGHTS_ALL"
        ],
        "description": "Rights granted or denied for this ACL entry:\n *
`ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n *
`ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write acces
s,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory acces
s,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIF
Y` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL r
ead access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attrib
ute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL
write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended a
ttribute write access,\n * `WRITE_GROUP` - Group write access"
    }
}
},
"trustee_matches": {
    "description": "Whether this ACE's trustee matches the user in questio
n.",

```

```

    "type": "boolean"
  },
  "skipped_inherit_only": {
    "description": "Whether this ACE does not affect rights due to being inherit-only.",
    "type": "boolean"
  },
  "newly_allowed": {
    "description": "Rights allowed by the current ACE.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
      ]
    },
    "description": "Rights allowed by the current ACE.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write access,\\n * `WRITE_GROUP` - Group write access"
  },
  "cumulative_allowed": {
    "description": "Rights allowed in total so far.",

```

```

"type": "array",
"items": {
  "type": "string",
  "enum": [
    "READ",
    "READ_EA",
    "READ_ATTR",
    "READ_ACL",
    "WRITE_EA",
    "WRITE_ATTR",
    "WRITE_ACL",
    "CHANGE_OWNER",
    "WRITE_GROUP",
    "DELETE",
    "EXECUTE",
    "MODIFY",
    "EXTEND",
    "ADD_FILE",
    "ADD_SUBDIR",
    "DELETE_CHILD",
    "SYNCHRONIZE",
    "ACCESS_RIGHTS_ALL"
  ],
  "description": "Rights allowed in total so far.:\\n * `ACCESS_RIGHTS_AL
L` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Di
rectory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Del
ete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execu
te access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification ac
cess,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATT
R` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYN
CHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRIT
E_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write acces
s,\\n * `WRITE_GROUP` - Group write access"
}
},
"newly_denied": {
  "description": "Rights denied by the current ACE.",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",

```

```

        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights denied by the current ACE.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write access,\\n * `WRITE_GROUP` - Group write access"
    }
},
"cumulative_denied": {
    "description": "Rights denied in total so far.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",

```



```

        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights denied in total so far.:\\n * `ACCESS_RIGHTS_AL
L` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Di
rectory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Del
ete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execu
te access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification ac
cess,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATT
R` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYN
CHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRIT
E_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write acces
s,\\n * `WRITE_GROUP` - Group write access"
    }
}
}
},
"rights_from_aces": {
    "description": "Rights granted by the file or directory's ACEs.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE",
            "ACCESS_RIGHTS_ALL"
        ]
    },
    "description": "Rights granted by the file or directory's ACEs.:\\n * `ACCES

```

```

S_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n * `ADD_S
UBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write access,\n * `DE
LETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECU
TE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modi
fication access,\n * `READ` - File read access,\n * `READ_ACL` - ACL read access,\n
 * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attribute read acces
s,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL write acces
s,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended attribute wr
ite access,\n * `WRITE_GROUP` - Group write access"
    }
  },
  "implicit_owner_rights_suppressed_by_ace": {
    "description": "Whether implicit rights for the owner were suppressed by an AC
E for the well-known Owner Rights principal.",
    "type": "boolean"
  },
  "implicit_owner_rights": {
    "description": "Rights implicitly granted because the user in question owns th
e file or directory.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
      ]
    },
    "description": "Rights implicitly granted because the user in question owns
the file or directory.: \n * `ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE`
- File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OW
NER` - Owner write access,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delet

```

```

e from directory access,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extensi
on access,\n * `MODIFY` - File modification access,\n * `READ` - File read acces
s,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - Attribute read access,\n * `R
EAD_EA` - Extended attribute read access,\n * `SYNCHRONIZE` - File synchronize acces
s,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute write access,\n
 * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - Group write acce
ss"
    }
  },
  "implicit_rights_from_parent": {
    "description": "Rights implicitly granted by this file or directory's containe
r.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
      ],
      "description": "Rights implicitly granted by this file or directory's contain
er.: \n * `ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation acce
ss,\n * `ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner writ
e access,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory a
ccess,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MO
DIFY` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - AC
L read access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended att
ribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - A
CL write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extende
d attribute write access,\n * `WRITE_GROUP` - Group write access"
    }
  }
}

```

```

},
"implicit_rights": {
  "description": "Cumulative rights implicitly granted.",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
      "EXECUTE",
      "MODIFY",
      "EXTEND",
      "ADD_FILE",
      "ADD_SUBDIR",
      "DELETE_CHILD",
      "SYNCHRONIZE",
      "ACCESS_RIGHTS_ALL"
    ],
    "description": "Cumulative rights implicitly granted.:\\n * `ACCESS_RIGHTS_AL  

L` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Di  

rectory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Del  

ete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execu  

te access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification ac  

cess,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATT  

R` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYN  

CHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRIT  

E_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write acces  

s,\\n * `WRITE_GROUP` - Group write access"
  }
},
"is_read_only": {
  "description": "Whether the file or directory in question is in read-only mod  

e.",
  "type": "boolean"
},
"max_rights": {
  "description": "Maximum rights which may be granted based on share permission  

s.",

```

```

"type": "array",
"items": {
  "type": "string",
  "enum": [
    "READ",
    "READ_EA",
    "READ_ATTR",
    "READ_ACL",
    "WRITE_EA",
    "WRITE_ATTR",
    "WRITE_ACL",
    "CHANGE_OWNER",
    "WRITE_GROUP",
    "DELETE",
    "EXECUTE",
    "MODIFY",
    "EXTEND",
    "ADD_FILE",
    "ADD_SUBDIR",
    "DELETE_CHILD",
    "SYNCHRONIZE",
    "ACCESS_RIGHTS_ALL"
  ],
  "description": "Maximum rights which may be granted based on share permissions.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write access,\\n * `WRITE_GROUP` - Group write access"
}
},
"effective_rights": {
  "description": "Effective rights granted to the user in question for the file or directory.",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",

```

```

        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Effective rights granted to the user in question for the file or directory.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write access,\\n * `WRITE_GROUP` - Group write access"
    }
}
}
}

```

# files/{ref}/info/acl/explain-set-mode

## Endpoint

`/v1/files/{ref}/info/acl/explain-set-mode`

## POST

Explain the effect of setting a POSIX mode on a file/directory.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the <code>id</code> field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Request

#### Schema

```
{
  "description": "api_files_apply_mode_explanation_post",
  "type": "object",
  "properties": {
    "mode": {
      "description": "POSIX mode to explain application of on a file ACL.",
      "type": "string"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_files_apply_mode_explanation",
  "type": "object",
  "properties": {
    "owner": {
      "description": "The user that owns the file.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```

    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "group_owner": {
    "description": "The group-owner for the file.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {
        "description": "gid",
        "type": "number"
      },
      "sid": {
        "description": "sid",

```

```

        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"owner_rights_from_mode": {
    "description": "The rights granted to the POSIX owner by the requested mode.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE",
            "ACCESS_RIGHTS_ALL"
        ],
        "description": "The rights granted to the POSIX owner by the requested mode.:
e.:
 * `ACCESS_RIGHTS_ALL` - All access rights,
 * `ADD_FILE` - File creation access,
 * `ADD_SUBDIR` - Directory creation access,
 * `CHANGE_OWNER` - Owner write access,
 * `DELETE` - Delete access,
 * `DELETE_CHILD` - Delete from directory access,
 * `EXECUTE` - Execute access,
 * `EXTEND` - File extension access,
 * `MODIFY` - File modification access,
 * `READ` - File read access,
 * `READ_ACL` - ACL read access,
 * `READ_ATTR` - Attribute read access,
 * `READ_EA` - Extended attribute read access,
 * `SYNCHRONIZE` - File synchronize access,
 * `WRITE_ACL` - ACL write access,
 * `WRITE_ATTR` - Attribute write access,
 * `WRITE_EA` - Extended attribute write access,
 * `WRITE_GROUP` - Group write access"
    }
},
"group_rights_from_mode": {

```

```

"description": "The rights granted to the POSIX group by the requested mode.",
"type": "array",
"items": {
  "type": "string",
  "enum": [
    "READ",
    "READ_EA",
    "READ_ATTR",
    "READ_ACL",
    "WRITE_EA",
    "WRITE_ATTR",
    "WRITE_ACL",
    "CHANGE_OWNER",
    "WRITE_GROUP",
    "DELETE",
    "EXECUTE",
    "MODIFY",
    "EXTEND",
    "ADD_FILE",
    "ADD_SUBDIR",
    "DELETE_CHILD",
    "SYNCHRONIZE",
    "ACCESS_RIGHTS_ALL"
  ],
  "description": "The rights granted to the POSIX group by the requested mode.\n * `ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write access,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - Group write access"
}
},
"other_rights_from_mode": {
  "description": "The rights granted to the POSIX other by the requested mode.",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",

```

```

        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "The rights granted to the POSIX other by the requested mode.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write access,\\n * `WRITE_GROUP` - Group write access"
    }
},
"max_extra_ace_allow": {
    "description": "The maximum rights that any extra allow ACE can specify.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",

```

```

        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "The maximum rights that any extra allow ACE can specify.:\\n
* `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n
* `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write acces
s,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory acces
s,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIF
Y` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL r
ead access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attrib
ute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL
write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended a
tribute write access,\\n * `WRITE_GROUP` - Group write access"
    }
},
"max_extra_ace_deny": {
    "description": "The maximum rights that any extra deny ACE can specify.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE",
            "ACCESS_RIGHTS_ALL"
        ]
    },
    "description": "The maximum rights that any extra deny ACE can specify.:\\n
* `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n
* `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write acces

```

```

s,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - Group write access"
    }
  },
  "not_produced_by_any_mode": {
    "description": "Rights that are never produced by a POSIX mode bit.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
      ]
    },
    "description": "Rights that are never produced by a POSIX mode bit.: \n * `ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write access,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - Group write access"
  }
},

```

```

"not_visible_in_mode": {
  "description": "Rights that will never cause a bit to be set in the displayed mode.",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
      "EXECUTE",
      "MODIFY",
      "EXTEND",
      "ADD_FILE",
      "ADD_SUBDIR",
      "DELETE_CHILD",
      "SYNCHRONIZE",
      "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights that will never cause a bit to be set in the displayed mode.:\\n * `ACCESS_RIGHTS_ALL` - All access rights,\\n * `ADD_FILE` - File creation access,\\n * `ADD_SUBDIR` - Directory creation access,\\n * `CHANGE_OWNER` - Owner write access,\\n * `DELETE` - Delete access,\\n * `DELETE_CHILD` - Delete from directory access,\\n * `EXECUTE` - Execute access,\\n * `EXTEND` - File extension access,\\n * `MODIFY` - File modification access,\\n * `READ` - File read access,\\n * `READ_ACL` - ACL read access,\\n * `READ_ATTR` - Attribute read access,\\n * `READ_EA` - Extended attribute read access,\\n * `SYNCHRONIZE` - File synchronize access,\\n * `WRITE_ACL` - ACL write access,\\n * `WRITE_ATTR` - Attribute write access,\\n * `WRITE_EA` - Extended attribute write access,\\n * `WRITE_GROUP` - Group write access"
  }
},
"annotated_aces": {
  "type": "array",
  "items": {
    "description": "The annotated steps that would be taken to apply the requested mode to the source ACL.",
    "type": "object",
    "properties": {
      "source_ace": {

```



```

"description": "Original ACE that this step affects.",
"type": "object",
"properties": {
  "type": {
    "type": "string",
    "enum": [
      "ALLOWED",
      "DENIED"
    ],
    "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entry that grants rights,\n * `DENIED` - An ACL entry that denies rights"
  },
  "flags": {
    "description": "ACE flags for this ACL entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "OBJECT_INHERIT",
        "CONTAINER_INHERIT",
        "NO_PROPAGATE_INHERIT",
        "INHERIT_ONLY",
        "INHERITED",
        "ACE_FLAGS_ALL"
      ],
      "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL` - All ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as effective ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY` - Indicates an inherit-only ACE that doesn't control access to the attached object,\n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n * `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"
    }
  },
  "trustee": {
    "description": "Trustee for this ACL entry",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",

```

```

        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights granted or denied for this ACL entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",

```

```

        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights granted or denied for this ACL entry:\n *
`ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n *
`ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write acces
s,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory acces
s,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIF
Y` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL r
ead access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attrib
ute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL
write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended a
ttribute write access,\n * `WRITE_GROUP` - Group write access"
    }
}
},
"source_trustee_match": {
    "description": "Describes which POSIX mode classes the source ACE matche
s.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "POSIX_OWNER",
            "POSIX_GROUP_OWNER",
            "POSIX_OTHERS",
            "NON_POSIX"
        ],
        "description": "Describes which POSIX mode classes the source ACE matc
hes.: \n * `NON_POSIX` - NON_POSIX,\n * `POSIX_GROUP_OWNER` - POSIX_GROUP_OWNER,\n *
`POSIX_OTHERS` - POSIX_OTHERS,\n * `POSIX_OWNER` - POSIX_OWNER"
    }
},

```

```

"action": {
  "type": "string",
  "enum": [
    "COPY_ACE",
    "MODIFY_ACE",
    "INSERT_ACE",
    "REMOVE_ACE"
  ],
  "description": "The action being performed in this step to affect the ACL:\n * `COPY_ACE` - COPY_ACE,\n * `INSERT_ACE` - INSERT_ACE,\n * `MODIFY_ACE` - MODIFY_ACE,\n * `REMOVE_ACE` - REMOVE_ACE"
},
"reason": {
  "description": "An explanation of why the action is being performed.",
  "type": "string"
},
"rights_removed": {
  "description": "Any rights that are removed from the source ACE in this step.",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
      "EXECUTE",
      "MODIFY",
      "EXTEND",
      "ADD_FILE",
      "ADD_SUBDIR",
      "DELETE_CHILD",
      "SYNCHRONIZE",
      "ACCESS_RIGHTS_ALL"
    ]
  },
  "description": "Any rights that are removed from the source ACE in this step:\n * `ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write access,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from director

```

```

y access,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n *
`MODIFY` - File modification access,\n * `READ` - File read access,\n * `READ_ACL`
- ACL read access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extende
d attribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_AC
L` - ACL write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - E
xtended attribute write access,\n * `WRITE_GROUP` - Group write access"
    }
  },
  "flags_removed": {
    "description": "Any flags that are removed from the source ACE in this s
tep.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "OBJECT_INHERIT",
        "CONTAINER_INHERIT",
        "NO_PROPAGATE_INHERIT",
        "INHERIT_ONLY",
        "INHERITED",
        "ACE_FLAGS_ALL"
      ],
      "description": "Any flags that are removed from the source ACE in thi
s step.: \n * `ACE_FLAGS_ALL` - All ACE flags, \n * `CONTAINER_INHERIT` - Childre
n that are containers inherit as effective ACE, \n * `INHERITED` - Indicates the ACE was i
nherited, \n * `INHERIT_ONLY` - Indicates an inherit-only ACE that doesn't control ac
cess to the attached object, \n * `NO_PROPAGATE_INHERIT` - Prevent subsequent childre
n from inheriting ACE, \n * `OBJECT_INHERIT` - Non-container children inherit as effe
ctive ACE. Container objects inherit as inherit-only ACE"
    }
  },
  "flags_added": {
    "description": "Any flags that are added from the source ACE in this ste
p.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "OBJECT_INHERIT",
        "CONTAINER_INHERIT",
        "NO_PROPAGATE_INHERIT",
        "INHERIT_ONLY",
        "INHERITED",
        "ACE_FLAGS_ALL"
      ],
      "description": "Any flags that are added from the source ACE in this s

```

```

tep.: \n * `ACE_FLAGS_ALL` - All ACE flags, \n * `CONTAINER_INHERIT` - Children that are containers inherit as effective ACE, \n * `INHERITED` - Indicates the ACE was inherited, \n * `INHERIT_ONLY` - Indicates an inherit-only ACE that doesn't control access to the attached object, \n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE, \n * `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"
    }
  },
  "result_ace": {
    "description": "The new ACE produced by this step.",
    "type": "object",
    "properties": {
      "type": {
        "type": "string",
        "enum": [
          "ALLOWED",
          "DENIED"
        ]
      },
      "description": "Type of this ACL entry: \n * `ALLOWED` - An ACL entry that grants rights, \n * `DENIED` - An ACL entry that denies rights"
    }
  },
  "flags": {
    "description": "ACE flags for this ACL entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "OBJECT_INHERIT",
        "CONTAINER_INHERIT",
        "NO_PROPAGATE_INHERIT",
        "INHERIT_ONLY",
        "INHERITED",
        "ACE_FLAGS_ALL"
      ]
    },
    "description": "ACE flags for this ACL entry: \n * `ACE_FLAGS_ALL` - All ACE flags, \n * `CONTAINER_INHERIT` - Children that are containers inherit as effective ACE, \n * `INHERITED` - Indicates the ACE was inherited, \n * `INHERIT_ONLY` - Indicates an inherit-only ACE that doesn't control access to the attached object, \n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE, \n * `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"
  }
},
  "trustee": {
    "description": "Trustee for this ACL entry",
    "type": "object",

```

```

"properties": {
  "domain": {
    "type": "string",
    "enum": [
      "LOCAL",
      "API_NULL_DOMAIN",
      "WORLD",
      "POSIX_USER",
      "POSIX_GROUP",
      "ACTIVE_DIRECTORY",
      "API_INVALID_DOMAIN",
      "API_RESERVED_DOMAIN",
      "API_INTERNAL_DOMAIN",
      "API_OPERATOR_DOMAIN",
      "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
  },
  "auth_id": {
    "description": "auth_id",
    "type": "string"
  },
  "uid": {
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"rights": {

```

```

    "description": "Rights granted or denied for this ACL entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
      ],
      "description": "Rights granted or denied for this ACL entry:\n *
`ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n *
`ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write acces
s,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory acces
s,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIF
Y` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL r
ead access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attrib
ute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL
write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended a
ttribute write access,\n * `WRITE_GROUP` - Group write access"
    }
  }
}
},
"initial_acl": {
  "description": "The ACL originally on the file/directory in question.",
  "type": "object",
  "properties": {
    "control": {

```



```

"description": "control",
"type": "array",
"items": {
  "type": "string",
  "enum": [
    "PRESENT",
    "DEFAULTED",
    "TRUSTED",
    "AUTO_INHERIT",
    "PROTECTED",
    "ACL_CONTROLS_ALL"
  ],
  "description": "control:\n * `ACL_CONTROLS_ALL` - All ACL controls,\n *
`AUTO_INHERIT` - Set whether the ACL was created through inheritance,\n * `DEFAULTE
D` - Sets whether the ACL was established by default means,\n * `PRESENT` - Set whe
n ACL is present on the object,\n * `PROTECTED` - Protects ACL from inherit operatio
ns,\n * `TRUSTED` - Set when ACL is provided by a trusted source"
}
},
"posix_special_permissions": {
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "STICKY_BIT",
      "SET_GID",
      "SET_UID"
    ],
    "description": "posix_special_permissions:\n * `SET_GID` - SET_GID,\n *
`SET_UID` - SET_UID,\n * `STICKY_BIT` - STICKY_BIT"
}
},
"aces": {
  "type": "array",
  "items": {
    "description": "aces",
    "type": "object",
    "properties": {
      "type": {
        "type": "string",
        "enum": [
          "ALLOWED",
          "DENIED"
        ],
        "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entr
y that grants rights,\n * `DENIED` - An ACL entry that denies rights"
      }
    }
  }
}

```

```

},
"flags": {
  "description": "ACE flags for this ACL entry",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "OBJECT_INHERIT",
      "CONTAINER_INHERIT",
      "NO_PROPAGATE_INHERIT",
      "INHERIT_ONLY",
      "INHERITED",
      "ACE_FLAGS_ALL"
    ]
  },
  "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL`  

- All ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as effective ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY`  

- Indicates an inherit-only ACE that doesn't control access to the attached object,\n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n * `OBJECT_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"
}
},
"trustee": {
  "description": "Trustee for this ACL entry",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ]
    },
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE"

```

```
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROU  
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
```

```
  },  
  "auth_id": {  
    "description": "auth_id",  
    "type": "string"  
  },  
  "uid": {  
    "description": "uid",  
    "type": "number"  
  },  
  "gid": {  
    "description": "gid",  
    "type": "number"  
  },  
  "sid": {  
    "description": "sid",  
    "type": "string"  
  },  
  "name": {  
    "description": "name",  
    "type": "string"  
  }  
}  
},  
"rights": {  
  "description": "Rights granted or denied for this ACL entry",  
  "type": "array",  
  "items": {  
    "type": "string",  
    "enum": [  
      "READ",  
      "READ_EA",  
      "READ_ATTR",  
      "READ_ACL",  
      "WRITE_EA",  
      "WRITE_ATTR",  
      "WRITE_ACL",  
      "CHANGE_OWNER",  
      "WRITE_GROUP",  
      "DELETE",  
      "EXECUTE",  
      "MODIFY",  
      "EXTEND",  
      "ADD_FILE",  
      "ADD_SUBDIR",  
    ]  
  }  
}
```

```

        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
    ],
    "description": "Rights granted or denied for this ACL entry:\n *
`ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n *
`ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write acces
s,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory acces
s,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIF
Y` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL r
ead access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attrib
ute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL
write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended a
ttribute write access,\n * `WRITE_GROUP` - Group write access"
    }
}
}
}
},
"result_acl": {
    "description": "The ACL that would be produced by applying the requested mod
e.",
    "type": "object",
    "properties": {
        "control": {
            "description": "control",
            "type": "array",
            "items": {
                "type": "string",
                "enum": [
                    "PRESENT",
                    "DEFAULTED",
                    "TRUSTED",
                    "AUTO_INHERIT",
                    "PROTECTED",
                    "ACL_CONTROLS_ALL"
                ]
            },
            "description": "control:\n * `ACL_CONTROLS_ALL` - All ACL controls,\n *
`AUTO_INHERIT` - Set whether the ACL was created through inheritance,\n * `DEFAULTE
D` - Sets whether the ACL was established by default means,\n * `PRESENT` - Set whe
n ACL is present on the object,\n * `PROTECTED` - Protects ACL from inherit operatio
ns,\n * `TRUSTED` - Set when ACL is provided by a trusted source"
        }
    },
}

```

```

"posix_special_permissions": {
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "STICKY_BIT",
      "SET_GID",
      "SET_UID"
    ],
    "description": "posix_special_permissions:\n * `SET_GID` - SET_GID,\n *
`SET_UID` - SET_UID,\n * `STICKY_BIT` - STICKY_BIT"
  }
},
"aces": {
  "type": "array",
  "items": {
    "description": "aces",
    "type": "object",
    "properties": {
      "type": {
        "type": "string",
        "enum": [
          "ALLOWED",
          "DENIED"
        ],
        "description": "Type of this ACL entry:\n * `ALLOWED` - An ACL entr
y that grants rights,\n * `DENIED` - An ACL entry that denies rights"
      },
      "flags": {
        "description": "ACE flags for this ACL entry",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "OBJECT_INHERIT",
            "CONTAINER_INHERIT",
            "NO_PROPAGATE_INHERIT",
            "INHERIT_ONLY",
            "INHERITED",
            "ACE_FLAGS_ALL"
          ],
          "description": "ACE flags for this ACL entry:\n * `ACE_FLAGS_ALL`
- All ACE flags,\n * `CONTAINER_INHERIT` - Children that are containers inherit as e
ffective ACE,\n * `INHERITED` - Indicates the ACE was inherited,\n * `INHERIT_ONLY`
- Indicates an inherit-only ACE that doesn't control access to the attached objec
t,\n * `NO_PROPAGATE_INHERIT` - Prevent subsequent children from inheriting ACE,\n

```

\* `OBJECT\_INHERIT` - Non-container children inherit as effective ACE. Container objects inherit as inherit-only ACE"

```
    }
  },
  "trustee": {
    "description": "Trustee for this ACL entry",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      },
      "gid": {
        "description": "gid",
        "type": "number"
      },
      "sid": {
        "description": "sid",
        "type": "string"
      }
    }
  },
```

```
    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "rights": {
    "description": "Rights granted or denied for this ACL entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE",
        "ACCESS_RIGHTS_ALL"
      ],
      "description": "Rights granted or denied for this ACL entry:\n *
`ACCESS_RIGHTS_ALL` - All access rights,\n * `ADD_FILE` - File creation access,\n *
`ADD_SUBDIR` - Directory creation access,\n * `CHANGE_OWNER` - Owner write acces
s,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory acces
s,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIF
Y` - File modification access,\n * `READ` - File read access,\n * `READ_ACL` - ACL r
ead access,\n * `READ_ATTR` - Attribute read access,\n * `READ_EA` - Extended attrib
ute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE_ACL` - ACL
write access,\n * `WRITE_ATTR` - Attribute write access,\n * `WRITE_EA` - Extended a
ttribute write access,\n * `WRITE_GROUP` - Group write access"
    }
  }
}
```

```
}  
  }  
}
```



# files/{ref}/info/attributes

## Endpoint

`/v1/files/{ref}/info/attributes`

## GET

Get file attributes.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_files_attributes",
  "type": "object",
  "properties": {
    "path": {
      "description": "Filesystem path of the object",
      "type": "string"
    },
    "name": {
      "description": "Name of this file",
      "type": "string"
    },
    "num_links": {
      "description": "How many directory entries are associated with this file",
      "type": "number"
    },
    "type": {
      "type": "string",
      "enum": [
        "FS_FILE_TYPE_FILE",
        "FS_FILE_TYPE_DIRECTORY",
        "FS_FILE_TYPE_SYMLINK",
        "FS_FILE_TYPE_UNIX_PIPE",
        "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
        "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
        "FS_FILE_TYPE_UNIX_SOCKET"
      ],
      "description": "Resource type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
    },
    "major_minor_numbers": {
      "description": "The major and minor numbers for UNIX device files",
      "type": "object",
      "properties": {
        "major": {
          "description": "major",
          "type": "number"
        },
        "minor": {
          "description": "minor",
          "type": "number"
        }
      }
    }
  }
}

```

```

    }
  },
  "symlink_target_type": {
    "type": "string",
    "enum": [
      "FS_FILE_TYPE_UNKNOWN",
      "FS_FILE_TYPE_FILE",
      "FS_FILE_TYPE_DIRECTORY"
    ],
    "description": "The type of the target file if this file is a symlink:\n * `FS_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - API_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNOWN"
  },
  "file_number": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "id": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "mode": {
    "description": "POSIX-style file mode (octal)",
    "type": "string"
  },
  "owner": {
    "description": "File owner",
    "type": "string"
  },
  "owner_details": {
    "description": "File owner details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N

```

```

FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"group": {
  "description": "File group",
  "type": "string"
},
"group_details": {
  "description": "File group details",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N
FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"blocks": {
  "description": "Number of blocks used by the file",
  "type": "string"
},
"datablocks": {
  "description": "Number of data blocks used by the file",
  "type": "string"
},
"metablocks": {

```

```

    "description": "Number of meta blocks used by the file",
    "type": "string"
  },
  "size": {
    "description": "File size in bytes",
    "type": "string"
  },
  "access_time": {
    "description": "Last time content was read, RFC 3339 format",
    "type": "string"
  },
  "modification_time": {
    "description": "Last time content was modified, RFC 3339 format",
    "type": "string"
  },
  "change_time": {
    "description": "Last time content or attributes were modified, RFC 3339 format",
    "type": "string"
  },
  "creation_time": {
    "description": "File creation time, RFC 3339 format",
    "type": "string"
  },
  "child_count": {
    "description": "Count of children (valid for directories)",
    "type": "number"
  },
  "extended_attributes": {
    "description": "SMB extended file attributes",
    "type": "object",
    "properties": {
      "read_only": {
        "description": "read_only",
        "type": "boolean"
      },
      "hidden": {
        "description": "hidden",
        "type": "boolean"
      },
      "system": {
        "description": "system",
        "type": "boolean"
      },
      "archive": {
        "description": "archive",

```

```

    "type": "boolean"
  },
  "temporary": {
    "description": "temporary",
    "type": "boolean"
  },
  "compressed": {
    "description": "compressed",
    "type": "boolean"
  },
  "not_content_indexed": {
    "description": "not_content_indexed",
    "type": "boolean"
  },
  "sparse_file": {
    "description": "sparse_file",
    "type": "boolean"
  },
  "offline": {
    "description": "offline",
    "type": "boolean"
  }
}
},
"directory_entry_hash_policy": {
  "type": "string",
  "enum": [
    "FS_DIRECTORY_HASH_VERSION_LOWER",
    "FS_DIRECTORY_HASH_VERSION_FOLDED"
  ],
  "description": "Hash policy for directory entries:\n * `FS_DIRECTORY_HASH_VERSION_FOLDED` - FS_DIRECTORY_HASH_VERSION_FOLDED,\n * `FS_DIRECTORY_HASH_VERSION_LOWER` - FS_DIRECTORY_HASH_VERSION_LOWER"
},
"data_revision": {
  "description": "The revision for changes to the underlying file data.",
  "type": "string"
},
"user_metadata_revision": {
  "description": "The revision for changes to the user defined metadata of the file.",
  "type": "string"
}
}
}

```

## PATCH

Update a subset of file attributes. Owner or mode bits change is done POSIX-style; file's ACL is updated to match the requested permissions.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>If-Match</code>	ETag for expected version	No



Request  
Schema

```

{
  "description": "api_settable_files_attributes",
  "type": "object",
  "properties": {
    "path": {
      "description": "Filesystem path of the object",
      "type": "string"
    },
    "name": {
      "description": "Name of this file",
      "type": "string"
    },
    "num_links": {
      "description": "How many directory entries are associated with this file",
      "type": "number"
    },
    "type": {
      "type": "string",
      "enum": [
        "FS_FILE_TYPE_FILE",
        "FS_FILE_TYPE_DIRECTORY",
        "FS_FILE_TYPE_SYMLINK",
        "FS_FILE_TYPE_UNIX_PIPE",
        "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
        "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
        "FS_FILE_TYPE_UNIX_SOCKET"
      ],
      "description": "Resource type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
    },
    "major_minor_numbers": {
      "description": "The major and minor numbers for UNIX device files",
      "type": "object",
      "properties": {
        "major": {
          "description": "major",
          "type": "number"
        },
        "minor": {
          "description": "minor",
          "type": "number"
        }
      }
    }
  }
}

```

```

    }
  },
  "symlink_target_type": {
    "type": "string",
    "enum": [
      "FS_FILE_TYPE_UNKNOWN",
      "FS_FILE_TYPE_FILE",
      "FS_FILE_TYPE_DIRECTORY"
    ],
    "description": "The type of the target file if this file is a symlink:\n * `F
S_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - AP
I_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNOWN"
  },
  "file_number": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "id": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "mode": {
    "description": "POSIX-style file mode (octal)",
    "type": "string"
  },
  "owner": {
    "description": "File owner",
    "type": "string"
  },
  "owner_details": {
    "description": "File owner details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N

```

```

FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"group": {
  "description": "File group",
  "type": "string"
},
"group_details": {
  "description": "File group details",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N
FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"blocks": {
  "description": "Number of blocks used by the file",
  "type": "string"
},
"datablocks": {
  "description": "Number of data blocks used by the file",
  "type": "string"
},
"metablocks": {

```

```

    "description": "Number of meta blocks used by the file",
    "type": "string"
  },
  "size": {
    "description": "File size in bytes",
    "type": "string"
  },
  "access_time": {
    "description": "Last time content was read, RFC 3339 format",
    "type": "string"
  },
  "modification_time": {
    "description": "Last time content was modified, RFC 3339 format",
    "type": "string"
  },
  "change_time": {
    "description": "Last time content or attributes were modified, RFC 3339 format",
    "type": "string"
  },
  "creation_time": {
    "description": "File creation time, RFC 3339 format",
    "type": "string"
  },
  "child_count": {
    "description": "Count of children (valid for directories)",
    "type": "number"
  },
  "extended_attributes": {
    "description": "SMB extended file attributes",
    "type": "object",
    "properties": {
      "read_only": {
        "description": "read_only",
        "type": "boolean"
      },
      "hidden": {
        "description": "hidden",
        "type": "boolean"
      },
      "system": {
        "description": "system",
        "type": "boolean"
      },
      "archive": {
        "description": "archive",

```

```

    "type": "boolean"
  },
  "temporary": {
    "description": "temporary",
    "type": "boolean"
  },
  "compressed": {
    "description": "compressed",
    "type": "boolean"
  },
  "not_content_indexed": {
    "description": "not_content_indexed",
    "type": "boolean"
  },
  "sparse_file": {
    "description": "sparse_file",
    "type": "boolean"
  },
  "offline": {
    "description": "offline",
    "type": "boolean"
  }
}
},
"directory_entry_hash_policy": {
  "type": "string",
  "enum": [
    "FS_DIRECTORY_HASH_VERSION_LOWER",
    "FS_DIRECTORY_HASH_VERSION_FOLDED"
  ],
  "description": "Hash policy for directory entries:\n * `FS_DIRECTORY_HASH_VERSION_FOLDED` - FS_DIRECTORY_HASH_VERSION_FOLDED,\n * `FS_DIRECTORY_HASH_VERSION_LOWER` - FS_DIRECTORY_HASH_VERSION_LOWER"
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_files_attributes",
  "type": "object",
  "properties": {
    "path": {
      "description": "Filesystem path of the object",
      "type": "string"
    },
    "name": {
      "description": "Name of this file",
      "type": "string"
    },
    "num_links": {
      "description": "How many directory entries are associated with this file",
      "type": "number"
    },
    "type": {
      "type": "string",
      "enum": [
        "FS_FILE_TYPE_FILE",
        "FS_FILE_TYPE_DIRECTORY",
        "FS_FILE_TYPE_SYMLINK",
        "FS_FILE_TYPE_UNIX_PIPE",
        "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
        "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
        "FS_FILE_TYPE_UNIX_SOCKET"
      ],
      "description": "Resource type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
    },
    "major_minor_numbers": {
      "description": "The major and minor numbers for UNIX device files",
      "type": "object",
      "properties": {
        "major": {
          "description": "major",
          "type": "number"
        },
        "minor": {
          "description": "minor",
          "type": "number"
        }
      }
    }
  }
}

```



```

    }
  },
  "symlink_target_type": {
    "type": "string",
    "enum": [
      "FS_FILE_TYPE_UNKNOWN",
      "FS_FILE_TYPE_FILE",
      "FS_FILE_TYPE_DIRECTORY"
    ],
    "description": "The type of the target file if this file is a symlink:\n * `F
S_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - AP
I_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNOWN"
  },
  "file_number": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "id": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "mode": {
    "description": "POSIX-style file mode (octal)",
    "type": "string"
  },
  "owner": {
    "description": "File owner",
    "type": "string"
  },
  "owner_details": {
    "description": "File owner details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N

```

```

FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"group": {
  "description": "File group",
  "type": "string"
},
"group_details": {
  "description": "File group details",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ]
    },
    "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N
FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
  },
  "id_value": {
    "description": "id_value",
    "type": "string"
  }
}
},
"blocks": {
  "description": "Number of blocks used by the file",
  "type": "string"
},
"datablocks": {
  "description": "Number of data blocks used by the file",
  "type": "string"
},
"metablocks": {

```

```

    "description": "Number of meta blocks used by the file",
    "type": "string"
  },
  "size": {
    "description": "File size in bytes",
    "type": "string"
  },
  "access_time": {
    "description": "Last time content was read, RFC 3339 format",
    "type": "string"
  },
  "modification_time": {
    "description": "Last time content was modified, RFC 3339 format",
    "type": "string"
  },
  "change_time": {
    "description": "Last time content or attributes were modified, RFC 3339 format",
    "type": "string"
  },
  "creation_time": {
    "description": "File creation time, RFC 3339 format",
    "type": "string"
  },
  "child_count": {
    "description": "Count of children (valid for directories)",
    "type": "number"
  },
  "extended_attributes": {
    "description": "SMB extended file attributes",
    "type": "object",
    "properties": {
      "read_only": {
        "description": "read_only",
        "type": "boolean"
      },
      "hidden": {
        "description": "hidden",
        "type": "boolean"
      },
      "system": {
        "description": "system",
        "type": "boolean"
      },
      "archive": {
        "description": "archive",

```

```

    "type": "boolean"
  },
  "temporary": {
    "description": "temporary",
    "type": "boolean"
  },
  "compressed": {
    "description": "compressed",
    "type": "boolean"
  },
  "not_content_indexed": {
    "description": "not_content_indexed",
    "type": "boolean"
  },
  "sparse_file": {
    "description": "sparse_file",
    "type": "boolean"
  },
  "offline": {
    "description": "offline",
    "type": "boolean"
  }
}
},
"directory_entry_hash_policy": {
  "type": "string",
  "enum": [
    "FS_DIRECTORY_HASH_VERSION_LOWER",
    "FS_DIRECTORY_HASH_VERSION_FOLDED"
  ],
  "description": "Hash policy for directory entries:\n * `FS_DIRECTORY_HASH_VERSION_FOLDED` - FS_DIRECTORY_HASH_VERSION_FOLDED,\n * `FS_DIRECTORY_HASH_VERSION_LOWER` - FS_DIRECTORY_HASH_VERSION_LOWER"
},
"data_revision": {
  "description": "The revision for changes to the underlying file data.",
  "type": "string"
},
"user_metadata_revision": {
  "description": "The revision for changes to the user defined metadata of the file.",
  "type": "string"
}
}
}

```

# files/{ref}/locks/nfs4/byte-range/

## Endpoint

`/v1/files/{ref}/locks/nfs4/byte-range/`

## GET

Return a list of all NFSv4.1 byte range locks currently granted on the specified file.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_nfs4_byte_range_grants",
  "type": "object",
  "properties": {
    "grants": {
      "type": "array",
      "items": {
        "description": "grants",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at the head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_BYTE_RANGE_EXCLUSIVE",
                "API_BYTE_RANGE_SHARED",
                "API_BYTE_RANGE_READ_OP",
                "API_BYTE_RANGE_WRITE_OP"
              ]
            },
            "description": "mode:\n * `API_BYTE_RANGE_EXCLUSIVE` - API_BYTE_RANGE_EXCLUSIVE,\n * `API_BYTE_RANGE_READ_OP` - API_BYTE_RANGE_READ_OP,\n * `API_BYTE_RANGE_SHARED` - API_BYTE_RANGE_SHARED,\n * `API_BYTE_RANGE_WRITE_OP` - API_BYTE_RANGE_WRITE_OP"
          }
        }
      },
      "offset": {
        "description": "offset",
        "type": "string"
      },
      "size": {
        "description": "size",
        "type": "string"
      }
    }
  }
}

```

```
},
  "owner_id": {
    "description": "The unique identifier for the process that owns the file lock.",
    "type": "string"
  },
  "owner_name": {
    "description": "The name of the machine that owns the lock.",
    "type": "string"
  },
  "owner_address": {
    "description": "The IP address to use for acquiring the file lock.",
    "type": "string"
  },
  "node_address": {
    "description": "The IP address of the node that receives the request.",
    "type": "string"
  },
  "client_id": {
    "description": "The ID of the client that holds the file lock.",
    "type": "string"
  },
  "state_id": {
    "description": "The file lock state ID.",
    "type": "string"
  },
  "node_id": {
    "description": "The node whose NFSv4.1 server holds the client state.",
    "type": "number"
  }
}
}
```



# files/{ref}/locks/nlm/byte-range/

## Endpoint

`/v1/files/{ref}/locks/nlm/byte-range/`

## GET

Return a list of all NLM byte range locks currently granted on the specified file.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_byte_range_grants",
  "type": "object",
  "properties": {
    "grants": {
      "type": "array",
      "items": {
        "description": "grants",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at the head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_BYTE_RANGE_EXCLUSIVE",
                "API_BYTE_RANGE_SHARED",
                "API_BYTE_RANGE_READ_OP",
                "API_BYTE_RANGE_WRITE_OP"
              ]
            },
            "description": "mode:\n * `API_BYTE_RANGE_EXCLUSIVE` - API_BYTE_RANGE_EXCLUSIVE,\n * `API_BYTE_RANGE_READ_OP` - API_BYTE_RANGE_READ_OP,\n * `API_BYTE_RANGE_SHARED` - API_BYTE_RANGE_SHARED,\n * `API_BYTE_RANGE_WRITE_OP` - API_BYTE_RANGE_WRITE_OP"
          }
        }
      },
      "offset": {
        "description": "offset",
        "type": "string"
      },
      "size": {
        "description": "size",
        "type": "string"
      }
    }
  }
}

```

```

    },
    "owner_id": {
      "description": "The unique identifier for the process that owns the file lock.",
      "type": "string"
    },
    "owner_name": {
      "description": "The name of the machine that owns the lock.",
      "type": "string"
    },
    "owner_address": {
      "description": "The IP address to use for acquiring the file lock.",
      "type": "string"
    },
    "node_address": {
      "description": "The IP address of the node that receives the request.",
      "type": "string"
    }
  }
}
}
}
}
}
}
}

```

## DELETE

Release an arbitrary lock range. This is dangerous, and should only be used after confirming that the owning process has leaked the lock, and only if there is a very good reason why the situation should not be resolved by terminating that process.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the <code>id</code> field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>offset</code>	Offset of the range to release	Yes
<code>size</code>	Size of range to release. Zero releases to the maximum file size.	Yes
<code>owner_id</code>	Opaque, unique identifier for the process that owns the lock. This is the <code>owner_id</code> attribute on entries returned by GET.	Yes

<b>snapshot</b>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
-----------------	--	----

## Response

### Codes

Code	Description
200	Return value on success

# files/{ref}/locks/nlm/byte-range/waiters/

## Endpoint

`/v1/files/{ref}/locks/nlm/byte-range/waiters/`

## GET

Return a list of all NLM byte range requests currently waiting on the specified file.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_byte_range_waiters",
  "type": "object",
  "properties": {
    "waiters": {
      "type": "array",
      "items": {
        "description": "waiters",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at t
he head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_BYTE_RANGE_EXCLUSIVE",
                "API_BYTE_RANGE_SHARED",
                "API_BYTE_RANGE_READ_OP",
                "API_BYTE_RANGE_WRITE_OP"
              ],
              "description": "mode:\n * `API_BYTE_RANGE_EXCLUSIVE` - API_BYTE_RANG
E_EXCLUSIVE,\n * `API_BYTE_RANGE_READ_OP` - API_BYTE_RANGE_READ_OP,\n * `API_BYTE_RA
NGE_SHARED` - API_BYTE_RANGE_SHARED,\n * `API_BYTE_RANGE_WRITE_OP` - API_BYTE_RANG
E_WRITE_OP"
            }
          },
          "offset": {
            "description": "offset",
            "type": "string"
          },
          "size": {
            "description": "size",
            "type": "string"
          }
        }
      }
    }
  }
}

```



```
    },
    "owner_id": {
      "description": "The unique identifier for the process that owns the file lock.",
      "type": "string"
    },
    "owner_name": {
      "description": "The name of the machine that owns the lock.",
      "type": "string"
    },
    "owner_address": {
      "description": "The IP address to use for acquiring the file lock.",
      "type": "string"
    },
    "node_address": {
      "description": "The IP address of the node that receives the request.",
      "type": "string"
    }
  }
}
```

# files/{ref}/locks/smb/byte-range/

## Endpoint

`/v1/files/{ref}/locks/smb/byte-range/`

## GET

Return a list of all SMB byte range locks currently granted on the specified file.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_byte_range_grants",
  "type": "object",
  "properties": {
    "grants": {
      "type": "array",
      "items": {
        "description": "grants",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at the head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_BYTE_RANGE_EXCLUSIVE",
                "API_BYTE_RANGE_SHARED",
                "API_BYTE_RANGE_READ_OP",
                "API_BYTE_RANGE_WRITE_OP"
              ]
            },
            "description": "mode:\n * `API_BYTE_RANGE_EXCLUSIVE` - API_BYTE_RANGE_EXCLUSIVE,\n * `API_BYTE_RANGE_READ_OP` - API_BYTE_RANGE_READ_OP,\n * `API_BYTE_RANGE_SHARED` - API_BYTE_RANGE_SHARED,\n * `API_BYTE_RANGE_WRITE_OP` - API_BYTE_RANGE_WRITE_OP"
          }
        },
        "offset": {
          "description": "offset",
          "type": "string"
        },
        "size": {
          "description": "size",
          "type": "string"
        }
      }
    }
  }
}

```

```
    },
    "owner_id": {
      "description": "The unique identifier for the process that owns the file lock.",
      "type": "string"
    },
    "owner_name": {
      "description": "The name of the machine that owns the lock.",
      "type": "string"
    },
    "owner_address": {
      "description": "The IP address to use for acquiring the file lock.",
      "type": "string"
    },
    "node_address": {
      "description": "The IP address of the node that receives the request.",
      "type": "string"
    }
  }
}
```

# files/{ref}/locks/smb/share-mode/

## Endpoint

`/v1/files/{ref}/locks/smb/share-mode/`

## GET

Return a list of all SMB share mode locks currently granted on the specified file.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_share_mode_grants",
  "type": "object",
  "properties": {
    "grants": {
      "type": "array",
      "items": {
        "description": "grants",
        "type": "object",
        "properties": {
          "file_id": {
            "description": "file_id",
            "type": "string"
          },
          "stream_id": {
            "description": "stream_id",
            "type": "string"
          },
          "snapshot_id": {
            "description": "The locked file's snapshot ID. Empty if the file is at the head version (not from a snapshot).",
            "type": "string"
          },
          "mode": {
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "API_SHARE_MODE_READ",
                "API_SHARE_MODE_WRITE",
                "API_SHARE_MODE_DELETE",
                "API_SHARE_MODE_EXCLUDE_READ",
                "API_SHARE_MODE_EXCLUDE_WRITE",
                "API_SHARE_MODE_EXCLUDE_DELETE"
              ]
            },
            "description": "mode:\n * `API_SHARE_MODE_DELETE` - API_SHARE_MODE_DELETE,\n * `API_SHARE_MODE_EXCLUDE_DELETE` - API_SHARE_MODE_EXCLUDE_DELETE,\n * `API_SHARE_MODE_EXCLUDE_READ` - API_SHARE_MODE_EXCLUDE_READ,\n * `API_SHARE_MODE_EXCLUDE_WRITE` - API_SHARE_MODE_EXCLUDE_WRITE,\n * `API_SHARE_MODE_READ` - API_SHARE_MODE_READ,\n * `API_SHARE_MODE_WRITE` - API_SHARE_MODE_WRITE"
          },
          "owner_id": {
            "description": "The unique identifier for the process that owns the file lock.",
            "type": "string"
          }
        }
      }
    }
  }
}

```



```
    },  
    "owner_address": {  
      "description": "The IP address to use for acquiring the file lock.",  
      "type": "string"  
    },  
    "node_address": {  
      "description": "The IP address of the node that receives the request.",  
      "type": "string"  
    }  
  }  
}  
}
```

# files/{ref}/notify

## Endpoint

`/v1/files/{ref}/notify`

## GET

Streams notifications for file system activity, monitoring only the files in the specified directory by using HTML server-sent events (SSE). The SSE data payload contains JSON-encoded event objects. For example: [{"type": , "path": , "stream\_name": }].

## Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>filter</code>	A list that indicates the types of notification that you want to receive, in CSV format. If you don't provide the list, the system sends every type of notification. The following are available notification types: child_file_added * child_dir_added * child_file_removed * child_dir_re- moved * child_file_moved_from * child_file_moved_to * child_dir_moved_from * child_dir_moved_to * child_btime_changed * child_mtime_changed * child_atime_changed * child_size_changed * child_extra_attrs_changed * child_acl_changed * child_own- er_changed * child_group_changed * child_data_written * child_stream_added * child_stream_removed * child_stream_moved_from * child_stream_moved_to * child_stream_size_changed * child_stream_data_written * self_re- moved	No
<code>recursive</code>	Specifies whether notifications are recursive. A recursive notification emits events for all files in the entire directory tree of the specified di- rectory. A non-recursive notification emits events only for files that are immediately below (but not further down the directory tree) for the specified directory. To configure recursion for notifications, use the <code>/v1/ file-system/settings/notify</code> REST API resource.	No

## Response

### Codes

Code	Description
200	Return value on success

# files/{ref}/punch-hole

## Endpoint

`/v1/files/{ref}/punch-hole`

## POST

Create a hole in a region of a file. Destroys all data within the hole so that subsequent reads will return zeroes. Returns the post-operation attributes of the file.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>If-Match</code>	ETag for expected version	No

### Request

#### Schema

```
{
  "description": "api_files_punch_hole",
  "type": "object",
  "properties": {
    "offset": {
      "description": "Offset in bytes specifying the start of the hole to create.",
      "type": "string"
    },
    "size": {
      "description": "Size in bytes of the hole to create.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_files_attributes",
  "type": "object",
  "properties": {
    "path": {
      "description": "Filesystem path of the object",
      "type": "string"
    },
    "name": {
      "description": "Name of this file",
      "type": "string"
    },
    "num_links": {
      "description": "How many directory entries are associated with this file",
      "type": "number"
    },
    "type": {
      "type": "string",
      "enum": [
        "FS_FILE_TYPE_FILE",
        "FS_FILE_TYPE_DIRECTORY",
        "FS_FILE_TYPE_SYMLINK",
        "FS_FILE_TYPE_UNIX_PIPE",
        "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
        "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
        "FS_FILE_TYPE_UNIX_SOCKET"
      ],
      "description": "Resource type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
    },
    "major_minor_numbers": {
      "description": "The major and minor numbers for UNIX device files",
      "type": "object",
      "properties": {
        "major": {
          "description": "major",
          "type": "number"
        },
        "minor": {
          "description": "minor",
          "type": "number"
        }
      }
    }
  }
}

```

```

    }
  },
  "symlink_target_type": {
    "type": "string",
    "enum": [
      "FS_FILE_TYPE_UNKNOWN",
      "FS_FILE_TYPE_FILE",
      "FS_FILE_TYPE_DIRECTORY"
    ],
    "description": "The type of the target file if this file is a symlink:\n * `FS_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - API_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNOWN"
  },
  "file_number": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "id": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "mode": {
    "description": "POSIX-style file mode (octal)",
    "type": "string"
  },
  "owner": {
    "description": "File owner",
    "type": "string"
  },
  "owner_details": {
    "description": "File owner details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N

```



```

FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"group": {
  "description": "File group",
  "type": "string"
},
"group_details": {
  "description": "File group details",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N
FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"blocks": {
  "description": "Number of blocks used by the file",
  "type": "string"
},
"datablocks": {
  "description": "Number of data blocks used by the file",
  "type": "string"
},
"metablocks": {

```

```

    "description": "Number of meta blocks used by the file",
    "type": "string"
  },
  "size": {
    "description": "File size in bytes",
    "type": "string"
  },
  "access_time": {
    "description": "Last time content was read, RFC 3339 format",
    "type": "string"
  },
  "modification_time": {
    "description": "Last time content was modified, RFC 3339 format",
    "type": "string"
  },
  "change_time": {
    "description": "Last time content or attributes were modified, RFC 3339 format",
    "type": "string"
  },
  "creation_time": {
    "description": "File creation time, RFC 3339 format",
    "type": "string"
  },
  "child_count": {
    "description": "Count of children (valid for directories)",
    "type": "number"
  },
  "extended_attributes": {
    "description": "SMB extended file attributes",
    "type": "object",
    "properties": {
      "read_only": {
        "description": "read_only",
        "type": "boolean"
      },
      "hidden": {
        "description": "hidden",
        "type": "boolean"
      },
      "system": {
        "description": "system",
        "type": "boolean"
      },
      "archive": {
        "description": "archive",

```

```

    "type": "boolean"
  },
  "temporary": {
    "description": "temporary",
    "type": "boolean"
  },
  "compressed": {
    "description": "compressed",
    "type": "boolean"
  },
  "not_content_indexed": {
    "description": "not_content_indexed",
    "type": "boolean"
  },
  "sparse_file": {
    "description": "sparse_file",
    "type": "boolean"
  },
  "offline": {
    "description": "offline",
    "type": "boolean"
  }
}
},
"directory_entry_hash_policy": {
  "type": "string",
  "enum": [
    "FS_DIRECTORY_HASH_VERSION_LOWER",
    "FS_DIRECTORY_HASH_VERSION_FOLDED"
  ],
  "description": "Hash policy for directory entries:\n * `FS_DIRECTORY_HASH_VERSION_FOLDED` - FS_DIRECTORY_HASH_VERSION_FOLDED,\n * `FS_DIRECTORY_HASH_VERSION_LOWER` - FS_DIRECTORY_HASH_VERSION_LOWER"
},
"data_revision": {
  "description": "The revision for changes to the underlying file data.",
  "type": "string"
},
"user_metadata_revision": {
  "description": "The revision for changes to the user defined metadata of the file.",
  "type": "string"
}
}
}

```

# files/{ref}/recursive-aggregates/

## Endpoint

`/v1/files/{ref}/recursive-aggregates/`

## GET

Return aggregated data for this directory and its children. It does a breadth-first traversal of directories up to the user-specified limit (see `max_entries` and `max_depth` parameters) or system-imposed limit. Directory entries that are smaller than 10% of the directory's total size are omitted.

## Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the <code>id</code> field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>max-entries</code>	Maximum directory entries we see before breaking out of the tree walk (default: 1000, system limit: 5000)	No
<code>max-depth</code>	Maximum depth to traverse while doing the tree walk (default: 10, system limit: 5000)	No
<code>order-by</code>	Ordering field used for top N selection and sorting (default: <code>total_blocks` - total_blocks, * `total_datablocks` - total_datablocks, * `total_directories` - total_directories, * `total_files` - total_files, * `total_metablocks` - total_metablocks, * `total_named_stream_datablocks` - total_named_stream_datablocks, * `total_named_streams` - total_named_streams, * `total_other` - total_other, * `total_symlinks` - total_symlinks</code> )	No
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "type": "array",
  "items": {
    "description": "api_files_dir_aggregates",
    "type": "object",
    "properties": {
      "path": {
        "description": "path",
        "type": "string"
      },
      "id": {
        "description": "id",
        "type": "string"
      },
      "files": {
        "type": "array",
        "items": {
          "description": "files",
          "type": "object",
          "properties": {
            "name": {
              "description": "Name of this file or directory",
              "type": "string"
            },
            "type": {
              "type": "string",
              "enum": [
                "FS_FILE_TYPE_FILE",
                "FS_FILE_TYPE_DIRECTORY",
                "FS_FILE_TYPE_SYMLINK",
                "FS_FILE_TYPE_UNIX_PIPE",
                "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
                "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
                "FS_FILE_TYPE_UNIX_SOCKET"
              ],
              "description": "type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
            },
            "id": {
              "description": "Unique ID of this file or directory",
              "type": "string"
            }
          }
        }
      }
    }
  }
}

```

```

    "capacity_usage": {
      "description": "Capacity used by this file, or directory and all its children, in bytes",
      "type": "string"
    },
    "data_usage": {
      "description": "Capacity used for data by this file, or directory and all its children, in bytes",
      "type": "string"
    },
    "meta_usage": {
      "description": "Capacity used for metadata by this file, or directory and all its children, in bytes",
      "type": "string"
    },
    "num_files": {
      "description": "Total number of files in the directory",
      "type": "string"
    },
    "num_directories": {
      "description": "Total number of directories in the directory",
      "type": "string"
    },
    "num_symlinks": {
      "description": "Total number of symlinks in the directory",
      "type": "string"
    },
    "num_other_objects": {
      "description": "Total number of Unix devices, pipes, and sockets in the directory",
      "type": "string"
    },
    "named_stream_data_usage": {
      "description": "Capacity used for data by named streams on this file, or directory and all its children, in bytes",
      "type": "string"
    },
    "num_named_streams": {
      "description": "Total number of named streams in the directory",
      "type": "string"
    }
  }
},
"total_capacity": {
  "description": "total_capacity",

```

```
    "type": "string"
  },
  "total_data": {
    "description": "total_data",
    "type": "string"
  },
  "total_named_stream_data": {
    "description": "total_named_stream_data",
    "type": "string"
  },
  "total_meta": {
    "description": "total_meta",
    "type": "string"
  },
  "total_files": {
    "description": "total_files",
    "type": "string"
  },
  "total_directories": {
    "description": "total_directories",
    "type": "string"
  },
  "total_symlinks": {
    "description": "total_symlinks",
    "type": "string"
  },
  "total_other_objects": {
    "description": "total_other_objects",
    "type": "string"
  },
  "total_named_streams": {
    "description": "total_named_streams",
    "type": "string"
  }
}
}
```



# files/{ref}/sample/

## Endpoint

`/v1/files/{ref}/sample/`

## GET

Retrieve a random sampling of files, with the probability of being chosen based on by-value property.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>by-value</code>	Weight the sampling by the value specified: capacity (total bytes used for data and metadata), data (total bytes used for data only), file (file count), named_streams (named stream count): * `capacity` - capacity, * `data` - data, * `file` - file, * `named_streams` - named_streams	Yes
<code>limit</code>	Maximum number of entries returned	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "type": "array",
  "items": {
    "description": "api_files_aggregates",
    "type": "object",
    "properties": {
      "name": {
        "description": "Name of this file or directory",
        "type": "string"
      },
      "type": {
        "type": "string",
        "enum": [
          "FS_FILE_TYPE_FILE",
          "FS_FILE_TYPE_DIRECTORY",
          "FS_FILE_TYPE_SYMLINK",
          "FS_FILE_TYPE_UNIX_PIPE",
          "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
          "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
          "FS_FILE_TYPE_UNIX_SOCKET"
        ],
        "description": "type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTOR
Y,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FIL
E_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVIC
E,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n
 * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET`
- FS_FILE_TYPE_UNIX_SOCKET"
      },
      "id": {
        "description": "Unique ID of this file or directory",
        "type": "string"
      },
      "capacity_usage": {
        "description": "Capacity used by this file, or directory and all its childre
n, in bytes",
        "type": "string"
      },
      "data_usage": {
        "description": "Capacity used for data by this file, or directory and all it
s children, in bytes",
        "type": "string"
      },
      "meta_usage": {
        "description": "Capacity used for metadata by this file, or directory and al
l its children, in bytes",
        "type": "string"
      }
    }
  }
}

```

```
},
"num_files": {
  "description": "Total number of files in the directory",
  "type": "string"
},
"num_directories": {
  "description": "Total number of directories in the directory",
  "type": "string"
},
"num_symlinks": {
  "description": "Total number of symlinks in the directory",
  "type": "string"
},
"num_other_objects": {
  "description": "Total number of Unix devices, pipes, and sockets in the directory",
  "type": "string"
},
"named_stream_data_usage": {
  "description": "Capacity used for data by named streams on this file, or directory and all its children, in bytes",
  "type": "string"
},
"num_named_streams": {
  "description": "Total number of named streams in the directory",
  "type": "string"
}
}
}
}
```

# files/{ref}/streams/

## Endpoint

`/v1/files/{ref}/streams/`

## GET

List all named streams on provided object

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_named_stream_attributes",
    "type": "object",
    "properties": {
      "name": {
        "description": "name",
        "type": "string"
      },
      "id": {
        "description": "id",
        "type": "string"
      },
      "size": {
        "description": "size",
        "type": "string"
      },
      "datablocks": {
        "description": "datablocks",
        "type": "string"
      },
      "data_revision": {
        "description": "data_revision",
        "type": "string"
      }
    }
  }
}
```

## POST

Create a named stream on provided object

### Parameters

Name	Description	Required
<b>ref</b>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes

If-Match	ETag for expected version	No
----------	---------------------------	----

## Request

### Schema

```
{
  "description": "api_named_stream_entry",
  "type": "object",
  "properties": {
    "stream_name": {
      "description": "Stream name to be created.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_named_stream_attributes",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "string"
    },
    "size": {
      "description": "size",
      "type": "string"
    },
    "datablocks": {
      "description": "datablocks",
      "type": "string"
    },
    "data_revision": {
      "description": "data_revision",
      "type": "string"
    }
  }
}
```



# files/{ref}/streams/{stream\_id}

## Endpoint

`/v1/files/{ref}/streams/{stream_id}`

## DELETE

Delete a named stream on provided object

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>stream_id</code>	Stream ID (uint64) to be deleted	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# files/{ref}/streams/{stream\_id}/attributes

## Endpoint

`/v1/files/{ref}/streams/{stream_id}/attributes`

## GET

Get Stream attributes.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>stream_id</code>	Stream ID (uint64) to get	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_named_stream_attributes",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "string"
    },
    "size": {
      "description": "size",
      "type": "string"
    },
    "datablocks": {
      "description": "datablocks",
      "type": "string"
    },
    "data_revision": {
      "description": "data_revision",
      "type": "string"
    }
  }
}
```

## PATCH

Update a subset of stream attributes

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>stream_id</code>	Stream ID (uint64) to get	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_settable_files_attributes",
  "type": "object",
  "properties": {
    "path": {
      "description": "Filesystem path of the object",
      "type": "string"
    },
    "name": {
      "description": "Name of this file",
      "type": "string"
    },
    "num_links": {
      "description": "How many directory entries are associated with this file",
      "type": "number"
    },
    "type": {
      "type": "string",
      "enum": [
        "FS_FILE_TYPE_FILE",
        "FS_FILE_TYPE_DIRECTORY",
        "FS_FILE_TYPE_SYMLINK",
        "FS_FILE_TYPE_UNIX_PIPE",
        "FS_FILE_TYPE_UNIX_CHARACTER_DEVICE",
        "FS_FILE_TYPE_UNIX_BLOCK_DEVICE",
        "FS_FILE_TYPE_UNIX_SOCKET"
      ],
      "description": "Resource type:\n * `FS_FILE_TYPE_DIRECTORY` - FS_FILE_TYPE_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - FS_FILE_TYPE_FILE,\n * `FS_FILE_TYPE_SYMLINK` - FS_FILE_TYPE_SYMLINK,\n * `FS_FILE_TYPE_UNIX_BLOCK_DEVICE` - FS_FILE_TYPE_UNIX_BLOCK_DEVICE,\n * `FS_FILE_TYPE_UNIX_CHARACTER_DEVICE` - FS_FILE_TYPE_UNIX_CHARACTER_DEVICE,\n * `FS_FILE_TYPE_UNIX_PIPE` - FS_FILE_TYPE_UNIX_PIPE,\n * `FS_FILE_TYPE_UNIX_SOCKET` - FS_FILE_TYPE_UNIX_SOCKET"
    },
    "major_minor_numbers": {
      "description": "The major and minor numbers for UNIX device files",
      "type": "object",
      "properties": {
        "major": {
          "description": "major",
          "type": "number"
        },
        "minor": {
          "description": "minor",
          "type": "number"
        }
      }
    }
  }
}

```

```

    }
  },
  "symlink_target_type": {
    "type": "string",
    "enum": [
      "FS_FILE_TYPE_UNKNOWN",
      "FS_FILE_TYPE_FILE",
      "FS_FILE_TYPE_DIRECTORY"
    ],
    "description": "The type of the target file if this file is a symlink:\n * `F
S_FILE_TYPE_DIRECTORY` - API_SYMLINK_TARGET_DIRECTORY,\n * `FS_FILE_TYPE_FILE` - AP
I_SYMLINK_TARGET_FILE,\n * `FS_FILE_TYPE_UNKNOWN` - API_SYMLINK_TARGET_UNKNOWN"
  },
  "file_number": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "id": {
    "description": "Unique ID of this file",
    "type": "string"
  },
  "mode": {
    "description": "POSIX-style file mode (octal)",
    "type": "string"
  },
  "owner": {
    "description": "File owner",
    "type": "string"
  },
  "owner_details": {
    "description": "File owner details",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N

```

```

FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"group": {
  "description": "File group",
  "type": "string"
},
"group_details": {
  "description": "File group details",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - N
FS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"blocks": {
  "description": "Number of blocks used by the file",
  "type": "string"
},
"datablocks": {
  "description": "Number of data blocks used by the file",
  "type": "string"
},
"metablocks": {

```

```

    "description": "Number of meta blocks used by the file",
    "type": "string"
  },
  "size": {
    "description": "File size in bytes",
    "type": "string"
  },
  "access_time": {
    "description": "Last time content was read, RFC 3339 format",
    "type": "string"
  },
  "modification_time": {
    "description": "Last time content was modified, RFC 3339 format",
    "type": "string"
  },
  "change_time": {
    "description": "Last time content or attributes were modified, RFC 3339 format",
    "type": "string"
  },
  "creation_time": {
    "description": "File creation time, RFC 3339 format",
    "type": "string"
  },
  "child_count": {
    "description": "Count of children (valid for directories)",
    "type": "number"
  },
  "extended_attributes": {
    "description": "SMB extended file attributes",
    "type": "object",
    "properties": {
      "read_only": {
        "description": "read_only",
        "type": "boolean"
      },
      "hidden": {
        "description": "hidden",
        "type": "boolean"
      },
      "system": {
        "description": "system",
        "type": "boolean"
      },
      "archive": {
        "description": "archive",

```



```

    "type": "boolean"
  },
  "temporary": {
    "description": "temporary",
    "type": "boolean"
  },
  "compressed": {
    "description": "compressed",
    "type": "boolean"
  },
  "not_content_indexed": {
    "description": "not_content_indexed",
    "type": "boolean"
  },
  "sparse_file": {
    "description": "sparse_file",
    "type": "boolean"
  },
  "offline": {
    "description": "offline",
    "type": "boolean"
  }
}
},
"directory_entry_hash_policy": {
  "type": "string",
  "enum": [
    "FS_DIRECTORY_HASH_VERSION_LOWER",
    "FS_DIRECTORY_HASH_VERSION_FOLDED"
  ],
  "description": "Hash policy for directory entries:\n * `FS_DIRECTORY_HASH_VERSION_FOLDED` - FS_DIRECTORY_HASH_VERSION_FOLDED,\n * `FS_DIRECTORY_HASH_VERSION_LOWER` - FS_DIRECTORY_HASH_VERSION_LOWER"
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_named_stream_attributes",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "string"
    },
    "size": {
      "description": "size",
      "type": "string"
    },
    "datablocks": {
      "description": "datablocks",
      "type": "string"
    },
    "data_revision": {
      "description": "data_revision",
      "type": "string"
    }
  }
}
```

# files/{ref}/streams/{stream\_id}/copy-chunk

## Endpoint

`/v1/files/{ref}/streams/{stream_id}/copy-chunk`

## POST

Copies the contents of the source file specified in the body of the request to the destination stream. The stream must already exist.

## Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>stream_id</code>	Stream ID (uint64) to be modified	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_files_copy_chunk",
  "type": "object",
  "properties": {
    "source_id": {
      "description": "File ID of the source file. Exactly one of source_id or source_path must be provided.",
      "type": "string"
    },
    "source_path": {
      "description": "Path of the source file. Exactly one of source_id or source_path must be provided.",
      "type": "string"
    },
    "source_stream_id": {
      "description": "Stream ID of the source file. Defaults to default stream.",
      "type": "string"
    },
    "source_snapshot": {
      "description": "Snapshot ID specifying the version of the file to copy from. Defaults to head version.",
      "type": "number"
    },
    "source_offset": {
      "description": "Specifies the offset in bytes to start copying from. Defaults to 0.",
      "type": "string"
    },
    "target_offset": {
      "description": "Specifies the offset in bytes to start copying to. Defaults to 0.",
      "type": "string"
    },
    "length": {
      "description": "Specifies the maximum length of copy in bytes. Defaults to copy to the end of the source file. The server may not be able to copy the entire length requested. If that is the case, the response body returned can be used as request body for the remaining copy.",
      "type": "string"
    },
    "source_etag": {
      "description": "Expected ETag of the source file returned from /v1/files/{source-id}/info/attributes. If provided, this ETag will be validated against the server to ensure no intermediate change has occurred.",
      "type": "string"
    }
  }
}

```

```
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_files_copy_chunk",
  "type": "object",
  "properties": {
    "source_id": {
      "description": "File ID of the source file. Exactly one of source_id or source_path must be provided.",
      "type": "string"
    },
    "source_path": {
      "description": "Path of the source file. Exactly one of source_id or source_path must be provided.",
      "type": "string"
    },
    "source_stream_id": {
      "description": "Stream ID of the source file. Defaults to default stream.",
      "type": "string"
    },
    "source_snapshot": {
      "description": "Snapshot ID specifying the version of the file to copy from. Defaults to head version.",
      "type": "number"
    },
    "source_offset": {
      "description": "Specifies the offset in bytes to start copying from. Defaults to 0.",
      "type": "string"
    },
    "target_offset": {
      "description": "Specifies the offset in bytes to start copying to. Defaults to 0.",
      "type": "string"
    },
    "length": {
      "description": "Specifies the maximum length of copy in bytes. Defaults to copy to the end of the source file. The server may not be able to copy the entire length requested. If that is the case, the response body returned can be used as request body for the remaining copy.",
      "type": "string"
    },
    "source_etag": {
      "description": "Expected ETag of the source file returned from /v1/files/{source-id}/info/attributes. If provided, this ETag will be validated against the server to ensure no intermediate change has occurred.",
      "type": "string"
    }
  }
}

```



```
}  
}
```

# files/{ref}/streams/{stream\_id}/data

## Endpoint

`/v1/files/{ref}/streams/{stream_id}/data`

## GET

Return the contents of the file as an HTTP octet stream. The etag returned by this method represents the whole state of this file. In another word, if you are reading just a portion of the data, etag could be invalid because of other changes happened to the stream, even the specific portion of data you read is still intact.

## Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>stream_id</code>	Stream ID (uint64) to be modified	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>offset</code>	Read data from the requested stream starting at the given 64-bit integer offset. If the offset is larger than the size of the stream, the read will succeed and no data will be returned. If not specified the offset will 0.	No
<code>length</code>	Read up to length bytes from the requested stream. If the read extends beyond the end of the stream, the read will return as many bytes as possible, up to length. Will read the whole file if not specified.	No

## Response

### Codes

Code	Description
200	Return value on success

## PUT

Replace the contents of the stream with the body of the request. The target stream must already

exist, and the content-type of the request must be Application/Octet-stream.

## Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>stream_id</code>	Stream ID (uint64) to be modified	Yes
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{  
  "type": "object"  
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_named_stream_attributes",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "string"
    },
    "size": {
      "description": "size",
      "type": "string"
    },
    "datablocks": {
      "description": "datablocks",
      "type": "string"
    },
    "data_revision": {
      "description": "data_revision",
      "type": "string"
    }
  }
}
```

## PATCH

Set the contents of the stream, at the given offset, to the body of the request. The target stream must already exist, and the Content-Type of the request must be application/octet-stream.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>stream_id</code>	Stream ID (uint64) to be modified	Yes

<b>offset</b>	Write the provided data at the given 64-bit integer offset. If the offset is greater than the size of the stream, the stream will be zero-extended up to offset before the data is written. (default: 0)	No
<b>If-Match</b>	ETag for expected version	No

## Request

### Schema

```
{  
  "type": "object"  
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_named_stream_attributes",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "string"
    },
    "size": {
      "description": "size",
      "type": "string"
    },
    "datablocks": {
      "description": "datablocks",
      "type": "string"
    },
    "data_revision": {
      "description": "data_revision",
      "type": "string"
    }
  }
}
```

# files/{ref}/streams/{stream\_id}/punch-hole

## Endpoint

`/v1/files/{ref}/streams/{stream_id}/punch-hole`

## POST

Create a hole in a region of a stream. Destroys all data within the hole so that subsequent reads will return zeroes. Returns the post-operation attributes of the stream.

## Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>stream_id</code>	Stream ID (uint64) to be modified	Yes
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_files_punch_hole",
  "type": "object",
  "properties": {
    "offset": {
      "description": "Offset in bytes specifying the start of the hole to create.",
      "type": "string"
    },
    "size": {
      "description": "Size in bytes of the hole to create.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_named_stream_attributes",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "string"
    },
    "size": {
      "description": "size",
      "type": "string"
    },
    "datablocks": {
      "description": "datablocks",
      "type": "string"
    },
    "data_revision": {
      "description": "data_revision",
      "type": "string"
    }
  }
}
```



# files/{ref}/streams/{stream\_id}/rename

## Endpoint

`/v1/files/{ref}/streams/{stream_id}/rename`

## POST

Rename a stream on provided object

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>stream_id</code>	Stream ID (uint64) to be renamed	Yes
<code>If-Match</code>	ETag for expected version	No

### Request

#### Schema

```
{
  "description": "api_named_stream_entry",
  "type": "object",
  "properties": {
    "stream_name": {
      "description": "Stream name to be created.",
      "type": "string"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_named_stream_attributes",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "string"
    },
    "size": {
      "description": "size",
      "type": "string"
    },
    "datablocks": {
      "description": "datablocks",
      "type": "string"
    },
    "data_revision": {
      "description": "data_revision",
      "type": "string"
    }
  }
}
```

# files/{ref}/user-metadata/

## Endpoint

`/v1/files/{ref}/user-metadata/`

## GET

Retrieve the Base64-encoded user-defined metadata for the specified file.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_files_user_metadata_range_result",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "The list of user metadata entries.",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "GENERIC",
              "S3"
            ],
            "description": "The type of user metadata. Generic user metadata is visible through the S3 api as object tags. S3 metadata is visible to the S3 protocol as object metadata.\n * `GENERIC` - FS_USER_METADATA_TYPE_GENERIC,\n * `S3` - FS_USER_METADATA_TYPE_S3"
          },
          "key": {
            "description": "The key used to reference the user metadata.",
            "type": "string"
          },
          "value": {
            "type": "array",
            "items": {
              "description": "The data that the user-defined metadata entry stores.",
              "type": "number"
            }
          }
        }
      }
    }
  }
}
```

# files/{ref}/user-metadata/{type}/

## Endpoint

`/v1/files/{ref}/user-metadata/{type}/`

## GET

Retrieve the user-defined metadata of a specified type for the current file. Values are base 64 encoded.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>type</code>	The user-defined metadata type on which to operate.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_files_user_metadata_range_result",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "The list of user metadata entries.",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "GENERIC",
              "S3"
            ],
            "description": "The type of user metadata. Generic user metadata is visible through the S3 api as object tags. S3 metadata is visible to the S3 protocol as object metadata.\n * `GENERIC` - FS_USER_METADATA_TYPE_GENERIC,\n * `S3` - FS_USER_METADATA_TYPE_S3",
          },
          "key": {
            "description": "The key used to reference the user metadata.",
            "type": "string"
          },
          "value": {
            "type": "array",
            "items": {
              "description": "The data that the user-defined metadata entry stores.",
              "type": "number"
            }
          }
        }
      }
    }
  }
}
```

# files/{ref}/user-metadata/{type}/{key}

## Endpoint

`/v1/files/{ref}/user-metadata/{type}/{key}`

## GET

Retrieve the Base64-encoded user-defined metadata value for the current file by using the specified key.

### Parameters

Name	Description	Required
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>type</code>	The user-defined metadata type on which to operate.	Yes
<code>key</code>	The user-defined metadata key on which to operate.	Yes
<code>snapshot</code>	The snapshot ID that specifies the version of the filesystem to use. If not specified, use the head version.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_files_user_metadata_value",
  "type": "object",
  "properties": {
    "value": {
      "type": "array",
      "items": {
        "description": "The bytes that represent the Base64-encoded value of the user-defined metadata entry.",
        "type": "number"
      }
    }
  }
}
```

## POST

Add a user-defined metadata value to the current file by using the specified key and user-defined metadata type.

### Parameters

Name	Description	Required
<b>ref</b>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<b>type</b>	The user-defined metadata type on which to operate.	Yes
<b>key</b>	The user-defined metadata key on which to operate.	Yes
<b>If-Match</b>	ETag for expected version	No



## Request

### Schema

```
{
  "description": "api_files_user_metadata_value",
  "type": "object",
  "properties": {
    "value": {
      "type": "array",
      "items": {
        "description": "The bytes that represent the Base64-encoded value of the user-defined metadata entry.",
        "type": "number"
      }
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## PUT

Add or update the user-defined metadata value for the current file by using the specified key.

### Parameters

Name	Description	Required
<b>ref</b>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<b>type</b>	The user-defined metadata type on which to operate.	Yes
<b>key</b>	The user-defined metadata key on which to operate.	Yes
<b>If-Match</b>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_files_user_metadata_value",
  "type": "object",
  "properties": {
    "value": {
      "type": "array",
      "items": {
        "description": "The bytes that represent the Base64-encoded value of the user-defined metadata entry.",
        "type": "number"
      }
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## DELETE

Delete the user-defined metadata entry for the current file by using the specified key.

### Parameters

Name	Description	Required
<b>ref</b>	The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<b>type</b>	The user-defined metadata type on which to operate.	Yes
<b>key</b>	The user-defined metadata key on which to operate.	Yes
<b>If-Match</b>	ETag for expected version	No

## Response

### Codes

Code	Description
200	Return value on success

# encryption/external-kms/keys/create

## Endpoint

`/v2/encryption/external-kms/keys/create`

## POST

Create a Key in the Key Management Server.

## Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "encryption_api_v2_create_kmip_key",
  "type": "object",
  "properties": {
    "kms_config": {
      "description": "The Key Management Server server parameters. If this is omitted and a Key Management Server is already configured, the parameters from the existing configuration will be used. It is an error to omit this field if Key Management Server is not already configured on the cluster.",
      "type": "object",
      "properties": {
        "server_ca_cert": {
          "description": "The Certificate Authority certificate that Qumulo Core uses to validate the certificate that the Key Management Server presents to client TLS connections.",
          "type": "string"
        },
        "client_cert": {
          "description": "The client certificate that Qumulo Core uses to authenticate the cluster to the Key Management Server.",
          "type": "string"
        },
        "client_private_key": {
          "description": "The private key that corresponds to the specified client certificate.",
          "type": "string"
        },
        "hostname": {
          "description": "The hostname of the Key Management Server.",
          "type": "string"
        },
        "port": {
          "description": "The port number of the Key Management Server, 5696 by default.",
          "type": "number"
        }
      }
    },
    "key_name": {
      "description": "The name of the key that will be created in the Key Management Server.",
      "type": "string"
    }
  }
}

```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "encryption_api_v2_create_kmip_key_result",
  "type": "object",
  "properties": {
    "key_id": {
      "description": "The key id of the newly created key on the Key Management Server.",
      "type": "string"
    }
  }
}
```

# encryption/key-store

## Endpoint

`/v2/encryption/key-store`

## GET

View the active at-rest encryption configuration.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "encryption_api_v2_key_store_response_union",
  "type": "object",
  "properties": {
    "type": {
      "type": "string",
      "enum": [
        "Local",
        "KMS"
      ],
      "description": "d:\n * `KMS` - ENCRYPTION_TYPE_KMS,\n * `Local` - ENCRYPTION_T
YPE_LOCAL"
    },
    "local_store": {
      "description": "Value present when type is ENCRYPTION_TYPE_LOCAL.",
      "type": "object",
      "properties": {
        "status": {
          "type": "string",
          "enum": [
            "Encrypted",
            "Not Encrypted"
          ],
          "description": "Whether or not encryption at rest is enabled:\n * `Encrypt
ed` - ENCRYPTION_STATUS_ENCRYPTED,\n * `Not Encrypted` - ENCRYPTION_STATUS_NOT_ENCRY
PTED"
        }
      }
    },
    "kms_store": {
      "description": "Value present when type is ENCRYPTION_TYPE_KMS.",
      "type": "object",
      "properties": {
        "hostname": {
          "description": "The hostname of the Key Management Server.",
          "type": "string"
        },
        "port": {
          "description": "The port number of the Key Management Server, 5696 by defa
ult.",
          "type": "number"
        },
        "key_id": {
          "description": "The unique ID of the master key for at-rest encryption tha
t is stored in the Key Management Server.",
          "type": "string"
        }
      }
    }
  }
}

```

```
    },
    "config_creation_time": {
      "description": "The time at which the current configuration became activ
e.",
      "type": "string"
    }
  }
}
```

## PUT

Update the active at-rest encryption configuration.

### Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "encryption_api_v2_put_key_store_union",
  "type": "object",
  "properties": {
    "type": {
      "type": "string",
      "enum": [
        "Local",
        "KMS"
      ],
      "description": "d:\n * `KMS` - ENCRYPTION_TYPE_KMS,\n * `Local` - ENCRYPTION_T
YPE_LOCAL"
    },
    "kms_store": {
      "description": "Value present when type is ENCRYPTION_TYPE_KMS.",
      "type": "object",
      "properties": {
        "server_ca_cert": {
          "description": "The Certificate Authority certificate that Qumulo Core use
s to validate the certificate that the Key Management Server presents to client TLS
connections.",
          "type": "string"
        },
        "client_cert": {
          "description": "The client certificate that Qumulo Core uses to authentica
te the cluster to the Key Management Server.",
          "type": "string"
        },
        "client_private_key": {
          "description": "The private key that corresponds to the specified client c
ertificate.",
          "type": "string"
        },
        "hostname": {
          "description": "The hostname of the Key Management Server.",
          "type": "string"
        },
        "port": {
          "description": "The port number of the Key Management Server, 5696 by defa
ult.",
          "type": "number"
        },
        "key_id": {
          "description": "The unique ID of the master key for at-rest encryption tha
t is stored in the Key Management Server.",
          "type": "string"
        }
      }
    }
  }
}

```

```
}  
  }  
  }  
}
```

## Response

### Codes

Code	Description
200	Return value on success

# encryption/key-store/status

## Endpoint

`/v2/encryption/key-store/status`

## GET

View the status of at-rest encryption.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "encryption_api_v2_status_response",
  "type": "object",
  "properties": {
    "type": {
      "type": "string",
      "enum": [
        "Local",
        "KMS"
      ],
      "description": "Does the cluster connect to a Key Management Server?:\n * `KMS` - ENCRYPTION_TYPE_KMS,\n * `Local` - ENCRYPTION_TYPE_LOCAL"
    },
    "status": {
      "type": "string",
      "enum": [
        "Not Encrypted",
        "Encrypted",
        "Configuration Corrupted",
        "KMS Available",
        "KMS Authentication Error",
        "Cannot connect to KMS server.",
        "KMS Key Not Found",
        "KMS Key Inactive"
      ],
      "description": "Is the Key Management Server accessible?:\n * `Cannot connect to KMS server.` - ENCRYPTION_CONFIG_STATUS_KMS_CANNOT_CONNECT,\n * `Configuration Corrupted` - ENCRYPTION_CONFIG_STATUS_CONFIG_CORRUPTED,\n * `Encrypted` - ENCRYPTION_CONFIG_STATUS_LOCAL,\n * `KMS Authentication Error` - ENCRYPTION_CONFIG_STATUS_KMS_AUTHENTICATION_ERROR,\n * `KMS Available` - ENCRYPTION_CONFIG_STATUS_KMS_AVAILABLE,\n * `KMS Key Inactive` - ENCRYPTION_CONFIG_STATUS_KMS_KEY_INACTIVE,\n * `KMS Key Not Found` - ENCRYPTION_CONFIG_STATUS_KMS_KEY_NOT_FOUND,\n * `Not Encrypted` - ENCRYPTION_CONFIG_STATUS_NOT_ENCRYPTED"
    },
    "ca_cert_expiry": {
      "description": "The expiry date for the Key Management Server Certificate Authority certificate.",
      "type": "string"
    },
    "client_cert_expiry": {
      "description": "The expiry date for the client certificate.",
      "type": "string"
    },
    "last_key_rotation_time": {
      "description": "The time at which the current encryption key became active.",
      "type": "string"
    }
  }
}

```

```
    },  
    "last_status_update_time": {  
      "description": "The time at which this status of the configuration was last up  
dated.",  
      "type": "string"  
    }  
  }  
}
```

# encryption/rotate-keys

## Endpoint

`/v1/encryption/rotate-keys`

## POST

Rotate the encryption at rest keys.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

# encryption/rotate-keys

## Endpoint

`/v2/encryption/rotate-keys`

## POST

Rotate the encryption at rest keys.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "description": "api_encryption_rotate_key_v2",
  "type": "object",
  "properties": {
    "key_id": {
      "description": "The unique ID of the master key for at-rest encryption that Qu
mulo Core uses if a Key Management Server is in use.",
      "type": "string"
    }
  }
}
```

### Response

### Codes

Code	Description
200	Return value on success

# encryption/status

## Endpoint

/v1/encryption/status

## GET

View the status of encryption at rest.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

#### Schema

```
{
  "description": "encryption_status_api_response",
  "type": "object",
  "properties": {
    "status": {
      "type": "string",
      "enum": [
        "Encrypted",
        "Not Encrypted"
      ],
      "description": "Whether or not encryption at rest is enabled:\n * `Encrypted`\n - ENCRYPTION_STATUS_ENCRYPTED,\n * `Not Encrypted` - ENCRYPTION_STATUS_NOT_ENCRYPTED"
    },
    "last_key_rotation_time": {
      "description": "When encryption at rest is enabled, the time at which the current master key became active",
      "type": "string"
    }
  }
}
```

# /v0/ftp/settings

## Endpoint

`/v0/ftp/settings`

## GET

Retrieve the current FTP server settings. To see server status on all nodes, use Get FTP Server Status.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "ftp_api_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster allows FTP connections.",
      "type": "boolean"
    },
    "check_remote_host": {
      "description": "When enabled, the cluster ensures that all connections for a session come from the same host. Disabling this allows for FXP.",
      "type": "boolean"
    },
    "log_operations": {
      "description": "log_operations",
      "type": "boolean"
    },
    "chroot_users": {
      "description": "chroot_users",
      "type": "boolean"
    },
    "allow_unencrypted_connections": {
      "description": "allow_unencrypted_connections",
      "type": "boolean"
    },
    "expand_wildcards": {
      "description": "When enabled, LIST and NLST commands support posix-like shell wild cards on the final directory component.",
      "type": "boolean"
    },
    "anonymous_user": {
      "description": "anonymous_user",
      "type": "object",
      "properties": {
        "id_type": {
          "type": "string",
          "enum": [
            "LOCAL_USER",
            "LOCAL_GROUP",
            "NFS_GID",
            "NFS_UID",
            "SMB_SID",
            "INTERNAL",
            "QUMULO_OPERATOR"
          ]
        },
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO

```



```

CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  },
  "greeting": {
    "description": "Greeting to display with the 220 successful connection message.",
    "type": "string"
  }
}
}
}

```

## PUT

Modify the current FTP server settings. To see server status on all nodes, use Get FTP Server Status.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

Request  
Schema

```

{
  "description": "ftp_api_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster allows FTP connections.",
      "type": "boolean"
    },
    "check_remote_host": {
      "description": "When enabled, the cluster ensures that all connections for a session come from the same host. Disabling this allows for FXP.",
      "type": "boolean"
    },
    "log_operations": {
      "description": "log_operations",
      "type": "boolean"
    },
    "chroot_users": {
      "description": "chroot_users",
      "type": "boolean"
    },
    "allow_unencrypted_connections": {
      "description": "allow_unencrypted_connections",
      "type": "boolean"
    },
    "expand_wildcards": {
      "description": "When enabled, LIST and NLST commands support posix-like shell wild cards on the final directory component.",
      "type": "boolean"
    },
    "anonymous_user": {
      "description": "anonymous_user",
      "type": "object",
      "properties": {
        "id_type": {
          "type": "string",
          "enum": [
            "LOCAL_USER",
            "LOCAL_GROUP",
            "NFS_GID",
            "NFS_UID",
            "SMB_SID",
            "INTERNAL",
            "QUMULO_OPERATOR"
          ]
        },
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO

```

```

CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  },
  "greeting": {
    "description": "Greeting to display with the 220 successful connection message.",
    "type": "string"
  }
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "ftp_api_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster allows FTP connections.",
      "type": "boolean"
    },
    "check_remote_host": {
      "description": "When enabled, the cluster ensures that all connections for a session come from the same host. Disabling this allows for FXP.",
      "type": "boolean"
    },
    "log_operations": {
      "description": "log_operations",
      "type": "boolean"
    },
    "chroot_users": {
      "description": "chroot_users",
      "type": "boolean"
    },
    "allow_unencrypted_connections": {
      "description": "allow_unencrypted_connections",
      "type": "boolean"
    },
    "expand_wildcards": {
      "description": "When enabled, LIST and NLST commands support posix-like shell wild cards on the final directory component.",
      "type": "boolean"
    },
    "anonymous_user": {
      "description": "anonymous_user",
      "type": "object",
      "properties": {
        "id_type": {
          "type": "string",
          "enum": [
            "LOCAL_USER",
            "LOCAL_GROUP",
            "NFS_GID",
            "NFS_UID",
            "SMB_SID",
            "INTERNAL",
            "QUMULO_OPERATOR"
          ]
        },
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO

```

```

CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  },
  "greeting": {
    "description": "Greeting to display with the 220 successful connection message.",
    "type": "string"
  }
}

```

## PATCH

Modify the current FTP server settings. To see server status on all nodes, use Get FTP Server Status.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

Request  
Schema



```

{
  "description": "ftp_api_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster allows FTP connections.",
      "type": "boolean"
    },
    "check_remote_host": {
      "description": "When enabled, the cluster ensures that all connections for a session come from the same host. Disabling this allows for FXP.",
      "type": "boolean"
    },
    "log_operations": {
      "description": "log_operations",
      "type": "boolean"
    },
    "chroot_users": {
      "description": "chroot_users",
      "type": "boolean"
    },
    "allow_unencrypted_connections": {
      "description": "allow_unencrypted_connections",
      "type": "boolean"
    },
    "expand_wildcards": {
      "description": "When enabled, LIST and NLST commands support posix-like shell wild cards on the final directory component.",
      "type": "boolean"
    },
    "anonymous_user": {
      "description": "anonymous_user",
      "type": "object",
      "properties": {
        "id_type": {
          "type": "string",
          "enum": [
            "LOCAL_USER",
            "LOCAL_GROUP",
            "NFS_GID",
            "NFS_UID",
            "SMB_SID",
            "INTERNAL",
            "QUMULO_OPERATOR"
          ]
        },
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO

```

```
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  },
  "greeting": {
    "description": "Greeting to display with the 220 successful connection message.",
    "type": "string"
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "ftp_api_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster allows FTP connections.",
      "type": "boolean"
    },
    "check_remote_host": {
      "description": "When enabled, the cluster ensures that all connections for a session come from the same host. Disabling this allows for FXP.",
      "type": "boolean"
    },
    "log_operations": {
      "description": "log_operations",
      "type": "boolean"
    },
    "chroot_users": {
      "description": "chroot_users",
      "type": "boolean"
    },
    "allow_unencrypted_connections": {
      "description": "allow_unencrypted_connections",
      "type": "boolean"
    },
    "expand_wildcards": {
      "description": "When enabled, LIST and NLST commands support posix-like shell wild cards on the final directory component.",
      "type": "boolean"
    },
    "anonymous_user": {
      "description": "anonymous_user",
      "type": "object",
      "properties": {
        "id_type": {
          "type": "string",
          "enum": [
            "LOCAL_USER",
            "LOCAL_GROUP",
            "NFS_GID",
            "NFS_UID",
            "SMB_SID",
            "INTERNAL",
            "QUMULO_OPERATOR"
          ]
        },
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LO

```

```
CAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
        "description": "id_value",
        "type": "string"
    }
}
},
"greeting": {
    "description": "Greeting to display with the 220 successful connection message.",
    "type": "string"
}
}
}
```

# /v0/ftp/status

## Endpoint

`/v0/ftp/status`

## GET

Retrieve the current FTP server settings and the status of the server on each node.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "ftp_status",
  "type": "object",
  "properties": {
    "settings": {
      "description": "The current FTP server settings.",
      "type": "object",
      "properties": {
        "enabled": {
          "description": "When enabled, the cluster allows FTP connections.",
          "type": "boolean"
        },
        "check_remote_host": {
          "description": "When enabled, the cluster ensures that all connections for a session come from the same host. Disabling this allows for FXP.",
          "type": "boolean"
        },
        "log_operations": {
          "description": "log_operations",
          "type": "boolean"
        },
        "chroot_users": {
          "description": "chroot_users",
          "type": "boolean"
        },
        "allow_unencrypted_connections": {
          "description": "allow_unencrypted_connections",
          "type": "boolean"
        },
        "expand_wildcards": {
          "description": "When enabled, LIST and NLST commands support posix-like shell wild cards on the final directory component.",
          "type": "boolean"
        },
        "anonymous_user": {
          "description": "anonymous_user",
          "type": "object",
          "properties": {
            "id_type": {
              "type": "string",
              "enum": [
                "LOCAL_USER",
                "LOCAL_GROUP",
                "NFS_GID",
                "NFS_UID",
                "SMB_SID",
              ]
            }
          }
        }
      }
    }
  }
}

```





# file-system

## Endpoint

`/v1/file-system`

## GET

Retrieve general file system statistics.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

#### Schema

```
{
  "description": "api_fs_attributes",
  "type": "object",
  "properties": {
    "block_size_bytes": {
      "description": "File system block size in bytes",
      "type": "number"
    },
    "total_size_bytes": {
      "description": "Total file system size in bytes",
      "type": "string"
    },
    "free_size_bytes": {
      "description": "Available file system size in bytes",
      "type": "string"
    },
    "snapshot_size_bytes": {
      "description": "Capacity used by all snapshots in bytes",
      "type": "string"
    }
  }
}
```

# file-system/security/keys/

## Endpoint

`/v1/file-system/security/keys/`

## GET

List the file system's public keys.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_change_lock_keys",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "A list of the key\u2019s properties.",
        "type": "object",
        "properties": {
          "id": {
            "description": "The identifier associated with the specified key.",
            "type": "string"
          },
          "name": {
            "description": "The unique name of the specified key.",
            "type": "string"
          },
          "comment": {
            "description": "A descriptive comment about the specified key.",
            "type": "string"
          },
          "disabled": {
            "description": "Specifies whether the key is disabled.",
            "type": "boolean"
          },
          "public_key": {
            "description": "The contents of the public key.",
            "type": "string"
          }
        }
      }
    }
  }
}
```

## POST

Register a new file system public key.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_change_lock_key_create_request",
  "type": "object",
  "properties": {
    "name": {
      "description": "The unique name of the specified key.",
      "type": "string"
    },
    "comment": {
      "description": "A descriptive comment about the specified key.",
      "type": "string"
    },
    "public_key": {
      "description": "The public key.",
      "type": "string"
    },
    "verification_signature": {
      "description": "The name of the key signed with the private key.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_change_lock_key",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identifier associated with the specified key.",
      "type": "string"
    },
    "name": {
      "description": "The unique name of the specified key.",
      "type": "string"
    },
    "comment": {
      "description": "A descriptive comment about the specified key.",
      "type": "string"
    },
    "disabled": {
      "description": "Specifies whether the key is disabled.",
      "type": "boolean"
    },
    "public_key": {
      "description": "The contents of the public key.",
      "type": "string"
    }
  }
}
```

# file-system/security/keys/{key\_ref}

## Endpoint

`/v1/file-system/security/keys/{key_ref}`

## GET

Get the file system public key by using the name or identifier of the specified key.

### Parameters

Name	Description	Required
<code>key_ref</code>	The name or identifier of the key.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_change_lock_key",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identifier associated with the specified key.",
      "type": "string"
    },
    "name": {
      "description": "The unique name of the specified key.",
      "type": "string"
    },
    "comment": {
      "description": "A descriptive comment about the specified key.",
      "type": "string"
    },
    "disabled": {
      "description": "Specifies whether the key is disabled.",
      "type": "boolean"
    },
    "public_key": {
      "description": "The contents of the public key.",
      "type": "string"
    }
  }
}
```

## PUT

Put the file system public key by using the name or identifier of the specified key.

### Parameters

Name	Description	Required
<b>key_ref</b>	The name or identifier of the key.	Yes
<b>If-Match</b>	ETag for expected version	No



## Request

### Schema

```
{
  "description": "api_change_lock_key",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identifier associated with the specified key.",
      "type": "string"
    },
    "name": {
      "description": "The unique name of the specified key.",
      "type": "string"
    },
    "comment": {
      "description": "A descriptive comment about the specified key.",
      "type": "string"
    },
    "disabled": {
      "description": "Specifies whether the key is disabled.",
      "type": "boolean"
    },
    "public_key": {
      "description": "The contents of the public key.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_change_lock_key",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identifier associated with the specified key.",
      "type": "string"
    },
    "name": {
      "description": "The unique name of the specified key.",
      "type": "string"
    },
    "comment": {
      "description": "A descriptive comment about the specified key.",
      "type": "string"
    },
    "disabled": {
      "description": "Specifies whether the key is disabled.",
      "type": "boolean"
    },
    "public_key": {
      "description": "The contents of the public key.",
      "type": "string"
    }
  }
}
```

## DELETE

Delete the file system public key by using the name or identifier of the specified key.

### Parameters

Name	Description	Required
<code>key_ref</code>	The name or identifier of the key.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## PATCH

Patch the file system public key by using the name or identifier of the specified key.

### Parameters

Name	Description	Required
<code>key_ref</code>	The name or identifier of the key.	Yes
<code>If-Match</code>	ETag for expected version	No

### Request

#### Schema

```
{
  "description": "api_change_lock_key_patch",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identifier associated with the specified key.",
      "type": "string"
    },
    "name": {
      "description": "The unique name of the specified key.",
      "type": "string"
    },
    "comment": {
      "description": "A descriptive comment about the specified key.",
      "type": "string"
    },
    "disabled": {
      "description": "Specifies whether the key is disabled.",
      "type": "boolean"
    },
    "public_key": {
      "description": "The contents of the public key.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_change_lock_key",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identifier associated with the specified key.",
      "type": "string"
    },
    "name": {
      "description": "The unique name of the specified key.",
      "type": "string"
    },
    "comment": {
      "description": "A descriptive comment about the specified key.",
      "type": "string"
    },
    "disabled": {
      "description": "Specifies whether the key is disabled.",
      "type": "boolean"
    },
    "public_key": {
      "description": "The contents of the public key.",
      "type": "string"
    }
  }
}
```

# file-system/security/keys/{key\_ref}/key-replacement-challenge

## Endpoint

`/v1/file-system/security/keys/{key_ref}/key-replacement-challenge`

## GET

Get file system public key replacement challenge by using the name or identifier of the specified key.

### Parameters

Name	Description	Required
<code>key_ref</code>	The name or identifier of the key for which to get a security challenge for key replacement.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_change_lock_key_replace_challenge",
  "type": "object",
  "properties": {
    "challenge": {
      "description": "The security challenge for replacing the specified key.",
      "type": "string"
    }
  }
}
```

# file-system/security/keys/{key\_ref}/replace

## Endpoint

`/v1/file-system/security/keys/{key_ref}/replace`

## POST

Replace the file system public key by using the name or identifier of the specified key.

## Parameters

Name	Description	Required
<code>key_ref</code>	The name or identifier of the key to replace.	Yes
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_change_lock_key_replace_request",
  "type": "object",
  "properties": {
    "replacement_key": {
      "description": "The replacement public key.",
      "type": "string"
    },
    "old_key_verification_signature": {
      "description": "The key replacement challenge signed with the current private key.",
      "type": "string"
    },
    "replacement_key_verification_signature": {
      "description": "The key replacement challenge signed with the replacement private key.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_change_lock_key",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identifier associated with the specified key.",
      "type": "string"
    },
    "name": {
      "description": "The unique name of the specified key.",
      "type": "string"
    },
    "comment": {
      "description": "A descriptive comment about the specified key.",
      "type": "string"
    },
    "disabled": {
      "description": "Specifies whether the key is disabled.",
      "type": "boolean"
    },
    "public_key": {
      "description": "The contents of the public key.",
      "type": "string"
    }
  }
}
```

# file-system/security/keys/{key\_ref}/usages

## Endpoint

`/v1/file-system/security/keys/{key_ref}/usages`

## GET

Get file system public key usage by using the name or identifier of the specified key.

### Parameters

Name	Description	Required
<code>key_ref</code>	The name or identifier of the public key for which to show snapshot and snapshot policy usage.	Yes
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "api_change_lock_key_usage_page",
  "type": "object",
  "properties": {
    "usages": {
      "type": "array",
      "items": {
        "description": "Usages of the key",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "snapshot",
              "snapshot_policy",
              "replication_target"
            ],
            "description": "type:\n * `replication_target` - FS_CHANGE_LOCK_KEY_USAG
E_REPLICATION,\n * `snapshot` - FS_CHANGE_LOCK_KEY_USAGE_SNAPSHOT,\n * `snapshot_pol
icy` - FS_CHANGE_LOCK_KEY_USAGE_SNAPSHOT_POLICY"
          },
          "id": {
            "description": "id",
            "type": "string"
          }
        }
      }
    }
  }
}
```

# file-system/settings/atime

## Endpoint

/v1/file-system/settings/atime

## GET

Get atime-related settings.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "atime_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Whether atime update is enabled",
      "type": "boolean"
    },
    "granularity": {
      "type": "string",
      "enum": [
        "HOUR",
        "DAY",
        "WEEK"
      ],
      "description": "Granularity for atime updates (HOUR/DAY/WEEEEK):\n * `DAY` - ATIME_GRANULARITY_DAY,\n * `HOUR` - ATIME_GRANULARITY_HOUR,\n * `WEEK` - ATIME_GRANULARITY_WEEK"
    }
  }
}
```

## PUT

Set atime-related settings.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

### Request

#### Schema

```
{
  "description": "atime_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Whether atime update is enabled",
      "type": "boolean"
    },
    "granularity": {
      "type": "string",
      "enum": [
        "HOUR",
        "DAY",
        "WEEK"
      ],
      "description": "Granularity for atime updates (HOUR/DAY/WEEEEK):\n * `DAY` - ATIME_GRANULARITY_DAY,\n * `HOUR` - ATIME_GRANULARITY_HOUR,\n * `WEEK` - ATIME_GRANULARITY_WEEK"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "atime_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Whether atime update is enabled",
      "type": "boolean"
    },
    "granularity": {
      "type": "string",
      "enum": [
        "HOUR",
        "DAY",
        "WEEK"
      ],
      "description": "Granularity for atime updates (HOUR/DAY/WEEEEK):\n * `DAY` - ATIME_GRANULARITY_DAY,\n * `HOUR` - ATIME_GRANULARITY_HOUR,\n * `WEEK` - ATIME_GRANULARITY_WEEK"
    }
  }
}
```

## PATCH

Update atime-related settings.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

## Request

### Schema

```
{
  "description": "atime_config_patch",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Whether atime update is enabled",
      "type": "boolean"
    },
    "granularity": {
      "type": "string",
      "enum": [
        "HOUR",
        "DAY",
        "WEEK"
      ],
      "description": "Granularity for atime updates (HOUR/DAY/WEEEEK):\n * `DAY` - ATIME_GRANULARITY_DAY,\n * `HOUR` - ATIME_GRANULARITY_HOUR,\n * `WEEK` - ATIME_GRANULARITY_WEEK"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "atime_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "Whether atime update is enabled",
      "type": "boolean"
    },
    "granularity": {
      "type": "string",
      "enum": [
        "HOUR",
        "DAY",
        "WEEK"
      ],
      "description": "Granularity for atime updates (HOUR/DAY/WEEEEK):\n * `DAY` - ATIME_GRANULARITY_DAY,\n * `HOUR` - ATIME_GRANULARITY_HOUR,\n * `WEEK` - ATIME_GRANULARITY_WEEK"
    }
  }
}
```

# file-system/settings/notify

## Endpoint

`/v1/file-system/settings/notify`

## GET

Get FS notify related settings.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

#### Schema

```
{
  "description": "fs_notify_config",
  "type": "object",
  "properties": {
    "recursive_mode": {
      "type": "string",
      "enum": [
        "DISABLED_ERROR",
        "DISABLED_IGNORE",
        "ENABLED"
      ],
      "description": "recursive_mode:\n * `DISABLED_ERROR` - FS_NOTIFY_RECURSIVE_MODE_DISABLED_ERROR,\n * `DISABLED_IGNORE` - FS_NOTIFY_RECURSIVE_MODE_DISABLED_IGNORE,\n * `ENABLED` - FS_NOTIFY_RECURSIVE_MODE_ENABLED"
    }
  }
}
```

## PUT

Set FS notify related settings.

## Parameters

Name	Description	Required
If-Match	ETag for expected version	No

## Request

### Schema

```
{
  "description": "fs_notify_config",
  "type": "object",
  "properties": {
    "recursive_mode": {
      "type": "string",
      "enum": [
        "DISABLED_ERROR",
        "DISABLED_IGNORE",
        "ENABLED"
      ],
      "description": "recursive_mode:\n * `DISABLED_ERROR` - FS_NOTIFY_RECURSIVE_MODE_DISABLED_ERROR,\n * `DISABLED_IGNORE` - FS_NOTIFY_RECURSIVE_MODE_DISABLED_IGNORE,\n * `ENABLED` - FS_NOTIFY_RECURSIVE_MODE_ENABLED"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "fs_notify_config",
  "type": "object",
  "properties": {
    "recursive_mode": {
      "type": "string",
      "enum": [
        "DISABLED_ERROR",
        "DISABLED_IGNORE",
        "ENABLED"
      ],
      "description": "recursive_mode:\n * `DISABLED_ERROR` - FS_NOTIFY_RECURSIVE_MODE_DISABLED_ERROR,\n * `DISABLED_IGNORE` - FS_NOTIFY_RECURSIVE_MODE_DISABLED_IGNORE,\n * `ENABLED` - FS_NOTIFY_RECURSIVE_MODE_ENABLED"
    }
  }
}
```

# file-system/settings/permissions

## Endpoint

/v1/file-system/settings/permissions

## GET

Get permissions settings.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

#### Schema

```
{
  "description": "api_permissions_settings",
  "type": "object",
  "properties": {
    "mode": {
      "type": "string",
      "enum": [
        "NATIVE",
        "_DEPRECATED_MERGED_V1",
        "CROSS_PROTOCOL"
      ],
      "description": "mode:\n * `CROSS_PROTOCOL` - CROSS_PROTOCOL,\n * `NATIVE` - NATIVE,\n * `_DEPRECATED_MERGED_V1` - _DEPRECATED_MERGED_V1"
    }
  }
}
```

## PUT

Set permissions settings.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_permissions_settings",
  "type": "object",
  "properties": {
    "mode": {
      "type": "string",
      "enum": [
        "NATIVE",
        "_DEPRECATED_MERGED_V1",
        "CROSS_PROTOCOL"
      ],
      "description": "mode:\n * `CROSS_PROTOCOL` - CROSS_PROTOCOL,\n * `NATIVE` - NATIVE,\n * `_DEPRECATED_MERGED_V1` - _DEPRECATED_MERGED_V1"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_permissions_settings",
  "type": "object",
  "properties": {
    "mode": {
      "type": "string",
      "enum": [
        "NATIVE",
        "_DEPRECATED_MERGED_V1",
        "CROSS_PROTOCOL"
      ],
      "description": "mode:\n * `CROSS_PROTOCOL` - CROSS_PROTOCOL,\n * `NATIVE` - NATIVE,\n * `_DEPRECATED_MERGED_V1` - _DEPRECATED_MERGED_V1"
    }
  }
}
```

# identity/expand

## Endpoint

`/v1/identity/expand`

## POST

Find all equivalents and the group membership of the given identity.

## Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_id_to_expand",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identity to expand.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```

    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "equivalent_ids": {
    "type": "array",
    "items": {
      "description": "Additional identities that should be considered equivalent,
and also expanded.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n *
`API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNA
L_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP
I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DO
MAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        }
      }
    }
  }
}

```



```

    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
},
"group_ids": {
  "type": "array",
  "items": {
    "description": "Additional groups that the id should be considered a member
of, and also expanded.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n *
`API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNA
L_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP
I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DO
MAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {

```

```
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_expanded_id",
  "type": "object",
  "properties": {
    "id": {
      "description": "The identity that was expanded.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```

    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "type": {
    "type": "string",
    "enum": [
      "UNKNOWN",
      "USER",
      "GROUP"
    ],
    "description": "Whether the expanded identity is a user, group, or indeterminate.:\\n * `GROUP` - RESOLVED_ID_IS_GROUP,\\n * `UNKNOWN` - RESOLVED_ID_IS_UNKNOWN,\\n * `USER` - RESOLVED_ID_IS_USER"
  },
  "smb_id": {
    "description": "The equivalent identity that would be shown to SMB clients.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ],
        "description": "domain:\\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\\n * `LOCAL` - LOCAL,\\n * `POSIX_GROUP` - POSIX_GROUP,\\n * `POSIX_USER` - POSIX_USER,\\n * `WORLD` - WORLD"
      },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      }
    }
  }
}

```

```

    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
},
"nfs_id": {
  "description": "The equivalent identity that would be shown to NFS clients.",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {

```

```

    "description": "auth_id",
    "type": "string"
  },
  "uid": {
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"equivalent_ids": {
  "type": "array",
  "items": {
    "description": "Identities that are the same as the expanded ID, and which have the same rights.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ]
      },
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP

```

```
I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
```

```
},  
  "auth_id": {  
    "description": "auth_id",  
    "type": "string"  
  },  
  "uid": {  
    "description": "uid",  
    "type": "number"  
  },  
  "gid": {  
    "description": "gid",  
    "type": "number"  
  },  
  "sid": {  
    "description": "sid",  
    "type": "string"  
  },  
  "name": {  
    "description": "name",  
    "type": "string"  
  }  
}  
},  
"group_ids": {  
  "type": "array",  
  "items": {  
    "description": "Groups that the expanded ID is a member of.",  
    "type": "object",  
    "properties": {  
      "domain": {  
        "type": "string",  
        "enum": [  
          "LOCAL",  
          "API_NULL_DOMAIN",  
          "WORLD",  
          "POSIX_USER",  
          "POSIX_GROUP",  
          "ACTIVE_DIRECTORY",  
          "API_INVALID_DOMAIN",  
          "API_RESERVED_DOMAIN",  
          "API_INTERNAL_DOMAIN",  
          "API_OPERATOR_DOMAIN",
```





# identity/find

## Endpoint

`/v1/identity/find`

## POST

Search for identity and populate all fields.

## Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_identity",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
}

```

```
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_identity",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
}

```

```
}  
}
```



# ldap/login-name/{login\_name}/gid-numbers

## Endpoint

`/v1/ldap/login-name/{login_name}/gid-numbers`

## GET

Query the LDAP server for the gid numbers for all the groups of which the given login name is a member. This returns a vector of results in the case that the given login name maps to multiple uid numbers.

## Parameters

Name	Description	Required
<code>login_name</code>	The login name to use to lookup its GID numbers	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_ldap_login_name_to_gid_numbers",
  "type": "object",
  "properties": {
    "login_name": {
      "description": "login_name",
      "type": "string"
    },
    "uid_numbers_to_gid_numbers": {
      "type": "array",
      "items": {
        "description": "uid_numbers_to_gid_numbers",
        "type": "object",
        "properties": {
          "uid_number": {
            "description": "uid_number",
            "type": "number"
          },
          "gid_numbers": {
            "type": "array",
            "items": {
              "description": "gid_numbers",
              "type": "number"
            }
          }
        }
      }
    }
  }
}
```

# ldap/login-name/{login\_name}/uid-numbers

## Endpoint

`/v1/ldap/login-name/{login_name}/uid-numbers`

## GET

Return the UID Numbers of the given login name. This is found by issuing an LDAP query against the LDAP server configured

### Parameters

Name	Description	Required
<code>login_name</code>	The login name to use to lookup its UID numbers	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_ldap_login_name_to_uid_numbers",
  "type": "object",
  "properties": {
    "login_name": {
      "description": "login_name",
      "type": "string"
    },
    "uid_numbers": {
      "type": "array",
      "items": {
        "description": "uid_numbers",
        "type": "number"
      }
    }
  }
}
```

# Ldap/settings

## Endpoint

`/v2/ldap/settings`

## GET

Get settings for LDAP interaction

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_lone_ldap_config_v2",
  "type": "object",
  "properties": {
    "use_ldap": {
      "description": "Top-level LDAP enablement switch, indicating whether Qumulo Co
re should use LDAP or not.",
      "type": "boolean"
    },
    "bind_uri": {
      "description": "LDAP URI used to bind. Example: ldap://ldap-server.example.co
m",
      "type": "string"
    },
    "user": {
      "description": "Binding user's distinguished name. Default is empty, for anyo
mous authentication.",
      "type": "string"
    },
    "password": {
      "description": "Binding password for simple auth. Default is the password tha
t is currently configured.",
      "type": "string",
      "format": "password"
    },
    "base_distinguished_names": {
      "description": "Distinguished name(s) which will be used as the search base fo
r queries. Multiple DN's may be specified, separated by semi-colons. Example: dc=user
s,dc=example,dc=com; dc=robots,dc=example,dc=com",
      "type": "string"
    },
    "ldap_schema": {
      "type": "string",
      "enum": [
        "RFC2307",
        "CUSTOM"
      ],
      "description": "LDAP server schema to use. Default is RFC2307:\n * `CUSTOM` -
CUSTOM,\n * `RFC2307` - RFC2307"
    },
    "ldap_schema_description": {
      "description": "An expanded description of the LDAP server schema. Only set th
is field if setting ldap_schema to CUSTOM.",
      "type": "object",
      "properties": {
        "group_member_attribute": {

```

```

    "description": "group_member_attribute",
    "type": "string"
  },
  "user_group_identifier_attribute": {
    "description": "user_group_identifier_attribute",
    "type": "string"
  },
  "login_name_attribute": {
    "description": "login_name_attribute",
    "type": "string"
  },
  "group_name_attribute": {
    "description": "group_name_attribute",
    "type": "string"
  },
  "user_object_class": {
    "description": "user_object_class",
    "type": "string"
  },
  "group_object_class": {
    "description": "group_object_class",
    "type": "string"
  },
  "uid_number_attribute": {
    "description": "uid_number_attribute",
    "type": "string"
  },
  "gid_number_attribute": {
    "description": "gid_number_attribute",
    "type": "string"
  }
}
},
"encrypt_connection": {
  "description": "If true, require to have encrypted connection with LDAP. Default is True.",
  "type": "boolean"
}
}
}

```

## PUT

Set settings for LDAP interaction

## Parameters

Name	Description	Required
<b>If-Match</b>	ETag for expected version	No



Request  
Schema

```

{
  "description": "api_lone_ldap_config_v2",
  "type": "object",
  "properties": {
    "use_ldap": {
      "description": "Top-level LDAP enablement switch, indicating whether Qumulo Co
re should use LDAP or not.",
      "type": "boolean"
    },
    "bind_uri": {
      "description": "LDAP URI used to bind. Example: ldap://ldap-server.example.co
m",
      "type": "string"
    },
    "user": {
      "description": "Binding user's distinguished name. Default is empty, for anyo
mous authentication.",
      "type": "string"
    },
    "password": {
      "description": "Binding password for simple auth. Default is the password tha
t is currently configured.",
      "type": "string",
      "format": "password"
    },
    "base_distinguished_names": {
      "description": "Distinguished name(s) which will be used as the search base fo
r queries. Multiple DN's may be specified, separated by semi-colons. Example: dc=user
s,dc=example,dc=com; dc=robots,dc=example,dc=com",
      "type": "string"
    },
    "ldap_schema": {
      "type": "string",
      "enum": [
        "RFC2307",
        "CUSTOM"
      ],
      "description": "LDAP server schema to use. Default is RFC2307:\n * `CUSTOM` -
CUSTOM,\n * `RFC2307` - RFC2307"
    },
    "ldap_schema_description": {
      "description": "An expanded description of the LDAP server schema. Only set th
is field if setting ldap_schema to CUSTOM.",
      "type": "object",
      "properties": {
        "group_member_attribute": {

```

```

        "description": "group_member_attribute",
        "type": "string"
    },
    "user_group_identifier_attribute": {
        "description": "user_group_identifier_attribute",
        "type": "string"
    },
    "login_name_attribute": {
        "description": "login_name_attribute",
        "type": "string"
    },
    "group_name_attribute": {
        "description": "group_name_attribute",
        "type": "string"
    },
    "user_object_class": {
        "description": "user_object_class",
        "type": "string"
    },
    "group_object_class": {
        "description": "group_object_class",
        "type": "string"
    },
    "uid_number_attribute": {
        "description": "uid_number_attribute",
        "type": "string"
    },
    "gid_number_attribute": {
        "description": "gid_number_attribute",
        "type": "string"
    }
}
},
"encrypt_connection": {
    "description": "If true, require to have encrypted connection with LDAP. Default is True.",
    "type": "boolean"
}
}
}

```

## Response

### Codes

Code	Description
------	-------------

200	Return value on success
-----	-------------------------

Schema

```

{
  "description": "api_lone_ldap_config_v2",
  "type": "object",
  "properties": {
    "use_ldap": {
      "description": "Top-level LDAP enablement switch, indicating whether Qumulo Co
re should use LDAP or not.",
      "type": "boolean"
    },
    "bind_uri": {
      "description": "LDAP URI used to bind. Example: ldap://ldap-server.example.co
m",
      "type": "string"
    },
    "user": {
      "description": "Binding user's distinguished name. Default is empty, for anyo
mous authentication.",
      "type": "string"
    },
    "password": {
      "description": "Binding password for simple auth. Default is the password tha
t is currently configured.",
      "type": "string",
      "format": "password"
    },
    "base_distinguished_names": {
      "description": "Distinguished name(s) which will be used as the search base fo
r queries. Multiple DN's may be specified, separated by semi-colons. Example: dc=user
s,dc=example,dc=com; dc=robots,dc=example,dc=com",
      "type": "string"
    },
    "ldap_schema": {
      "type": "string",
      "enum": [
        "RFC2307",
        "CUSTOM"
      ],
      "description": "LDAP server schema to use. Default is RFC2307:\n * `CUSTOM` -
CUSTOM,\n * `RFC2307` - RFC2307"
    },
    "ldap_schema_description": {
      "description": "An expanded description of the LDAP server schema. Only set th
is field if setting ldap_schema to CUSTOM.",
      "type": "object",
      "properties": {
        "group_member_attribute": {

```

```

    "description": "group_member_attribute",
    "type": "string"
  },
  "user_group_identifier_attribute": {
    "description": "user_group_identifier_attribute",
    "type": "string"
  },
  "login_name_attribute": {
    "description": "login_name_attribute",
    "type": "string"
  },
  "group_name_attribute": {
    "description": "group_name_attribute",
    "type": "string"
  },
  "user_object_class": {
    "description": "user_object_class",
    "type": "string"
  },
  "group_object_class": {
    "description": "group_object_class",
    "type": "string"
  },
  "uid_number_attribute": {
    "description": "uid_number_attribute",
    "type": "string"
  },
  "gid_number_attribute": {
    "description": "gid_number_attribute",
    "type": "string"
  }
}
},
"encrypt_connection": {
  "description": "If true, require to have encrypted connection with LDAP. Default is True.",
  "type": "boolean"
}
}
}

```

## PATCH

Partially Set LDAP interaction settings

## Parameters

Name	Description	Required
If-Match	ETag for expected version	No



Request  
Schema

```

{
  "description": "api_lone_ldap_config_v2",
  "type": "object",
  "properties": {
    "use_ldap": {
      "description": "Top-level LDAP enablement switch, indicating whether Qumulo Co
re should use LDAP or not.",
      "type": "boolean"
    },
    "bind_uri": {
      "description": "LDAP URI used to bind. Example: ldap://ldap-server.example.co
m",
      "type": "string"
    },
    "user": {
      "description": "Binding user's distinguished name. Default is empty, for anyo
mous authentication.",
      "type": "string"
    },
    "password": {
      "description": "Binding password for simple auth. Default is the password tha
t is currently configured.",
      "type": "string",
      "format": "password"
    },
    "base_distinguished_names": {
      "description": "Distinguished name(s) which will be used as the search base fo
r queries. Multiple DN's may be specified, separated by semi-colons. Example: dc=user
s,dc=example,dc=com; dc=robots,dc=example,dc=com",
      "type": "string"
    },
    "ldap_schema": {
      "type": "string",
      "enum": [
        "RFC2307",
        "CUSTOM"
      ],
      "description": "LDAP server schema to use. Default is RFC2307:\n * `CUSTOM` -
CUSTOM,\n * `RFC2307` - RFC2307"
    },
    "ldap_schema_description": {
      "description": "An expanded description of the LDAP server schema. Only set th
is field if setting ldap_schema to CUSTOM.",
      "type": "object",
      "properties": {
        "group_member_attribute": {

```

```

    "description": "group_member_attribute",
    "type": "string"
  },
  "user_group_identifier_attribute": {
    "description": "user_group_identifier_attribute",
    "type": "string"
  },
  "login_name_attribute": {
    "description": "login_name_attribute",
    "type": "string"
  },
  "group_name_attribute": {
    "description": "group_name_attribute",
    "type": "string"
  },
  "user_object_class": {
    "description": "user_object_class",
    "type": "string"
  },
  "group_object_class": {
    "description": "group_object_class",
    "type": "string"
  },
  "uid_number_attribute": {
    "description": "uid_number_attribute",
    "type": "string"
  },
  "gid_number_attribute": {
    "description": "gid_number_attribute",
    "type": "string"
  }
}
},
"encrypt_connection": {
  "description": "If true, require to have encrypted connection with LDAP. Default is True.",
  "type": "boolean"
}
}
}

```

## Response

### Codes

Code	Description
------	-------------

200	Return value on success
-----	-------------------------

Schema

```

{
  "description": "api_lone_ldap_config_v2",
  "type": "object",
  "properties": {
    "use_ldap": {
      "description": "Top-level LDAP enablement switch, indicating whether Qumulo Co
re should use LDAP or not.",
      "type": "boolean"
    },
    "bind_uri": {
      "description": "LDAP URI used to bind. Example: ldap://ldap-server.example.co
m",
      "type": "string"
    },
    "user": {
      "description": "Binding user's distinguished name. Default is empty, for anyo
mous authentication.",
      "type": "string"
    },
    "password": {
      "description": "Binding password for simple auth. Default is the password tha
t is currently configured.",
      "type": "string",
      "format": "password"
    },
    "base_distinguished_names": {
      "description": "Distinguished name(s) which will be used as the search base fo
r queries. Multiple DN's may be specified, separated by semi-colons. Example: dc=user
s,dc=example,dc=com; dc=robots,dc=example,dc=com",
      "type": "string"
    },
    "ldap_schema": {
      "type": "string",
      "enum": [
        "RFC2307",
        "CUSTOM"
      ],
      "description": "LDAP server schema to use. Default is RFC2307:\n * `CUSTOM` -
CUSTOM,\n * `RFC2307` - RFC2307"
    },
    "ldap_schema_description": {
      "description": "An expanded description of the LDAP server schema. Only set th
is field if setting ldap_schema to CUSTOM.",
      "type": "object",
      "properties": {
        "group_member_attribute": {

```

```

    "description": "group_member_attribute",
    "type": "string"
  },
  "user_group_identifier_attribute": {
    "description": "user_group_identifier_attribute",
    "type": "string"
  },
  "login_name_attribute": {
    "description": "login_name_attribute",
    "type": "string"
  },
  "group_name_attribute": {
    "description": "group_name_attribute",
    "type": "string"
  },
  "user_object_class": {
    "description": "user_object_class",
    "type": "string"
  },
  "group_object_class": {
    "description": "group_object_class",
    "type": "string"
  },
  "uid_number_attribute": {
    "description": "uid_number_attribute",
    "type": "string"
  },
  "gid_number_attribute": {
    "description": "gid_number_attribute",
    "type": "string"
  }
}
},
"encrypt_connection": {
  "description": "If true, require to have encrypted connection with LDAP. Default is True.",
  "type": "boolean"
}
}
}

```

# Ldap/status

## Endpoint

`/v1/ldap/status`

## GET

Get LDAP connection status if applicable.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success



## Schema

```

{
  "type": "array",
  "items": {
    "description": "api_ldap_connection_state",
    "type": "object",
    "properties": {
      "node_id": {
        "description": "node_id",
        "type": "number"
      },
      "servers": {
        "type": "array",
        "items": {
          "description": "servers",
          "type": "object",
          "properties": {
            "bind_uri": {
              "description": "bind_uri",
              "type": "string"
            },
            "kdc_address": {
              "description": "kdc_address",
              "type": "string"
            }
          }
        }
      },
      "bind_domain": {
        "description": "bind_domain",
        "type": "string"
      },
      "bind_account": {
        "description": "bind_account",
        "type": "string"
      },
      "base_dn_vec": {
        "type": "array",
        "items": {
          "description": "base_dn_vec",
          "type": "string"
        }
      },
      "health": {
        "type": "string",
        "enum": [
          "NO_RECENT_ERROR",

```

```
        "INTERMITTENT_ERROR",
        "SUSTAINED_ERROR"
    ],
    "description": "health:\n * `INTERMITTENT_ERROR` - LDAP_HEALTH_INTERMITTENT_ERROR,\n * `NO_RECENT_ERROR` - LDAP_HEALTH_NO_RECENT_ERROR,\n * `SUSTAINED_ERROR` - LDAP_HEALTH_SUSTAINED_ERROR"
}
}
}
```

# Ldap/uid-number/{uid\_number}/login-name

## Endpoint

/v1/ldap/uid-number/{uid\_number}/login-name

## GET

Return the login names for the given UID number as found by issuing an LDAP query against the LDAP server configured

### Parameters

Name	Description	Required
<code>uid_number</code>	The UID number to use to lookup its login name	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_ldap_uid_number_to_login_names",
  "type": "object",
  "properties": {
    "uid_number": {
      "description": "uid_number",
      "type": "number"
    },
    "login_names": {
      "type": "array",
      "items": {
        "description": "login_names",
        "type": "string"
      }
    }
  }
}
```

# groups/

## Endpoint

`/v1/groups/`

## GET

List all groups. Refer to the 'Modify group' method for a description of the returned fields.

## Parameters

This resource has no parameters.

## Response

## Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_group",
    "type": "object",
    "properties": {
      "id": {
        "description": "The group's unique id",
        "type": "string"
      },
      "name": {
        "description": "The group name",
        "type": "string"
      },
      "sid": {
        "description": "The group's SID",
        "type": "string"
      },
      "gid": {
        "description": "The group's NFS gid",
        "type": "string"
      }
    }
  }
}
```

## POST

Add a group.

Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_group_post",
  "type": "object",
  "properties": {
    "name": {
      "description": "The group name",
      "type": "string"
    },
    "gid": {
      "description": "The group's NFS gid",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_group",
  "type": "object",
  "properties": {
    "id": {
      "description": "The group's unique id",
      "type": "string"
    },
    "name": {
      "description": "The group name",
      "type": "string"
    },
    "sid": {
      "description": "The group's SID",
      "type": "string"
    },
    "gid": {
      "description": "The group's NFS gid",
      "type": "string"
    }
  }
}
```



# groups/{group\_id}/members/

## Endpoint

`/v1/groups/{group_id}/members/`

## GET

List members of a group, which are among the local users. Refer to the 'Modify user' method for a description of the returned fields.

## Parameters

Name	Description	Required
<code>group_id</code>	The group's unique ID	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_user",
    "type": "object",
    "properties": {
      "id": {
        "description": "The user's unique id",
        "type": "string"
      },
      "name": {
        "description": "The user's account name",
        "type": "string"
      },
      "primary_group": {
        "description": "The unique ID of the user's group",
        "type": "string"
      },
      "sid": {
        "description": "The users's SID",
        "type": "string"
      },
      "uid": {
        "description": "The user's NFS uid",
        "type": "string"
      },
      "home_directory": {
        "description": "The path to the user's home directory",
        "type": "string"
      },
      "can_change_password": {
        "description": "Specifies whether the user can change the password",
        "type": "boolean"
      }
    }
  }
}
```

## POST

Add a member to a group. Refer to the 'Modify user' method for a description of the returned fields.

## Parameters

Name	Description	Required
<code>group_id</code>	The group's unique ID	Yes

## Request

### Schema

```
{
  "description": "api_member_auth_id",
  "type": "object",
  "properties": {
    "member_id": {
      "description": "Unique ID of a user",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_user",
  "type": "object",
  "properties": {
    "id": {
      "description": "The user's unique id",
      "type": "string"
    },
    "name": {
      "description": "The user's account name",
      "type": "string"
    },
    "primary_group": {
      "description": "The unique ID of the user's group",
      "type": "string"
    },
    "sid": {
      "description": "The users's SID",
      "type": "string"
    },
    "uid": {
      "description": "The user's NFS uid",
      "type": "string"
    },
    "home_directory": {
      "description": "The path to the user's home directory",
      "type": "string"
    },
    "can_change_password": {
      "description": "Specifies whether the user can change the password",
      "type": "boolean"
    }
  }
}
```

# groups/{group\_id}/members/{member\_id}

## Endpoint

`/v1/groups/{group_id}/members/{member_id}`

## DELETE

Remove a member from a group.

### Parameters

Name	Description	Required
<code>group_id</code>	The group's unique ID	Yes
<code>member_id</code>	The user's unique ID	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# groups/{id}

## Endpoint

`/v1/groups/{id}`

## GET

Retrieve the attributes of a group. Refer to the 'Modify group' method for a description of the returned fields.

### Parameters

Name	Description	Required
<code>id</code>	The group's unique ID	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_group",
  "type": "object",
  "properties": {
    "id": {
      "description": "The group's unique id",
      "type": "string"
    },
    "name": {
      "description": "The group name",
      "type": "string"
    },
    "sid": {
      "description": "The group's SID",
      "type": "string"
    },
    "gid": {
      "description": "The group's NFS gid",
      "type": "string"
    }
  }
}
```

## PUT

Modify a group. The 'id' field must match the id in the URI.

### Parameters

Name	Description	Required
<b>id</b>	The group's unique ID	Yes
<b>If-Match</b>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_group_put",
  "type": "object",
  "properties": {
    "id": {
      "description": "The group's unique id",
      "type": "string"
    },
    "name": {
      "description": "The group name",
      "type": "string"
    },
    "gid": {
      "description": "The group's NFS gid",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "api_group",
  "type": "object",
  "properties": {
    "id": {
      "description": "The group's unique id",
      "type": "string"
    },
    "name": {
      "description": "The group name",
      "type": "string"
    },
    "sid": {
      "description": "The group's SID",
      "type": "string"
    },
    "gid": {
      "description": "The group's NFS gid",
      "type": "string"
    }
  }
}
```

## DELETE

Delete a group.

### Parameters

Name	Description	Required
<code>id</code>	The group's unique ID	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# users/

## Endpoint

`/v1/users/`

## GET

List all users in the local user database. Refer to the 'Modify user' method for a description of the returned fields.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_user",
    "type": "object",
    "properties": {
      "id": {
        "description": "The user's unique id",
        "type": "string"
      },
      "name": {
        "description": "The user's account name",
        "type": "string"
      },
      "primary_group": {
        "description": "The unique ID of the user's group",
        "type": "string"
      },
      "sid": {
        "description": "The users's SID",
        "type": "string"
      },
      "uid": {
        "description": "The user's NFS uid",
        "type": "string"
      },
      "home_directory": {
        "description": "The path to the user's home directory",
        "type": "string"
      },
      "can_change_password": {
        "description": "Specifies whether the user can change the password",
        "type": "boolean"
      }
    }
  }
}
```

## POST

Add a user.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_user_post",
  "type": "object",
  "properties": {
    "name": {
      "description": "The user's account name",
      "type": "string"
    },
    "primary_group": {
      "description": "The unique ID of the user's group",
      "type": "string"
    },
    "uid": {
      "description": "The user's NFS uid",
      "type": "string"
    },
    "home_directory": {
      "description": "The user's home directory path",
      "type": "string"
    },
    "password": {
      "description": "The user's password",
      "type": "string",
      "format": "password"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_user",
  "type": "object",
  "properties": {
    "id": {
      "description": "The user's unique id",
      "type": "string"
    },
    "name": {
      "description": "The user's account name",
      "type": "string"
    },
    "primary_group": {
      "description": "The unique ID of the user's group",
      "type": "string"
    },
    "sid": {
      "description": "The users's SID",
      "type": "string"
    },
    "uid": {
      "description": "The user's NFS uid",
      "type": "string"
    },
    "home_directory": {
      "description": "The path to the user's home directory",
      "type": "string"
    },
    "can_change_password": {
      "description": "Specifies whether the user can change the password",
      "type": "boolean"
    }
  }
}
```

# users/{id}

## Endpoint

`/v1/users/{id}`

## GET

Retrieve information about a single local user. Refer to the 'Modify user' method for a description of the returned fields.

### Parameters

Name	Description	Required
<code>id</code>	The user's unique ID	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_user",
  "type": "object",
  "properties": {
    "id": {
      "description": "The user's unique id",
      "type": "string"
    },
    "name": {
      "description": "The user's account name",
      "type": "string"
    },
    "primary_group": {
      "description": "The unique ID of the user's group",
      "type": "string"
    },
    "sid": {
      "description": "The users's SID",
      "type": "string"
    },
    "uid": {
      "description": "The user's NFS uid",
      "type": "string"
    },
    "home_directory": {
      "description": "The path to the user's home directory",
      "type": "string"
    },
    "can_change_password": {
      "description": "Specifies whether the user can change the password",
      "type": "boolean"
    }
  }
}
```

## PUT

Modify a local user.

### Parameters

Name	Description	Required
<code>id</code>	The user's unique ID	Yes

If-Match	ETag for expected version	No
----------	---------------------------	----

### Request

#### Schema

```
{
  "description": "api_user_put",
  "type": "object",
  "properties": {
    "id": {
      "description": "The user's unique ID",
      "type": "string"
    },
    "name": {
      "description": "The user's account name",
      "type": "string"
    },
    "primary_group": {
      "description": "The user group's unique ID",
      "type": "string"
    },
    "uid": {
      "description": "The user's NFS UID",
      "type": "string"
    },
    "home_directory": {
      "description": "The user's home directory path",
      "type": "string"
    },
    "password": {
      "description": "The user's password",
      "type": "string",
      "format": "password"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "api_user",
  "type": "object",
  "properties": {
    "id": {
      "description": "The user's unique id",
      "type": "string"
    },
    "name": {
      "description": "The user's account name",
      "type": "string"
    },
    "primary_group": {
      "description": "The unique ID of the user's group",
      "type": "string"
    },
    "sid": {
      "description": "The users's SID",
      "type": "string"
    },
    "uid": {
      "description": "The user's NFS uid",
      "type": "string"
    },
    "home_directory": {
      "description": "The path to the user's home directory",
      "type": "string"
    },
    "can_change_password": {
      "description": "Specifies whether the user can change the password",
      "type": "boolean"
    }
  }
}
```

## DELETE

Delete a local user.

### Parameters

Name	Description	Required
<code>id</code>	The user's unique ID	Yes

## Response

### Codes

Code	Description
200	Return value on success

# users/{id}/groups/

## Endpoint

`/v1/users/{id}/groups/`

## GET

Retrieve group membership of a specific user. Refer to the 'Modify group' method for a description of the returned fields. Returns an empty array if the provided user is not a local user.

## Parameters

Name	Description	Required
<code>id</code>	The user's unique ID	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_group",
    "type": "object",
    "properties": {
      "id": {
        "description": "The group's unique id",
        "type": "string"
      },
      "name": {
        "description": "The group name",
        "type": "string"
      },
      "sid": {
        "description": "The group's SID",
        "type": "string"
      },
      "gid": {
        "description": "The group's NFS gid",
        "type": "string"
      }
    }
  }
}
```

# users/{id}/setpassword

## Endpoint

/v1/users/{id}/setpassword

## POST

Set a local user's password.

### Parameters

Name	Description	Required
id	The user's unique ID	Yes

### Request

#### Schema

```
{
  "description": "new_password",
  "type": "object",
  "properties": {
    "new_password": {
      "description": "new_password",
      "type": "string",
      "format": "password"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

# metrics/endpoints/default/data

## Endpoint

`/v2/metrics/endpoints/default/data`

## GET

Get all metrics for the cluster.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

# support/settings

## Endpoint

`/v1/support/settings`

## GET

Get monitoring configuration.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema



```
{
  "description": "monitoring_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "enabled",
      "type": "boolean"
    },
    "mq_host": {
      "description": "mq_host",
      "type": "string"
    },
    "mq_port": {
      "description": "mq_port",
      "type": "number"
    },
    "mq_proxy_host": {
      "description": "mq_proxy_host",
      "type": "string"
    },
    "mq_proxy_port": {
      "description": "mq_proxy_port",
      "type": "number"
    },
    "s3_proxy_host": {
      "description": "s3_proxy_host",
      "type": "string"
    },
    "s3_proxy_port": {
      "description": "s3_proxy_port",
      "type": "number"
    },
    "s3_proxy_disable_https": {
      "description": "s3_proxy_disable_https",
      "type": "boolean"
    },
    "vpn_enabled": {
      "description": "vpn_enabled",
      "type": "boolean"
    },
    "vpn_host": {
      "description": "vpn_host",
      "type": "string"
    },
    "period": {
      "description": "period",

```

```
    "type": "number"
  },
  "nexus_enabled": {
    "description": "nexus_enabled",
    "type": "boolean"
  },
  "nexus_host": {
    "description": "nexus_host",
    "type": "string"
  },
  "nexus_port": {
    "description": "nexus_port",
    "type": "number"
  },
  "nexus_interval": {
    "description": "nexus_interval",
    "type": "number"
  }
}
}
```

## PUT

Set monitoring configuration.

### Parameters

Name	Description	Required
<b>If-Match</b>	ETag for expected version	No

Request  
Schema

```
{
  "description": "monitoring_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "enabled",
      "type": "boolean"
    },
    "mq_host": {
      "description": "mq_host",
      "type": "string"
    },
    "mq_port": {
      "description": "mq_port",
      "type": "number"
    },
    "mq_proxy_host": {
      "description": "mq_proxy_host",
      "type": "string"
    },
    "mq_proxy_port": {
      "description": "mq_proxy_port",
      "type": "number"
    },
    "s3_proxy_host": {
      "description": "s3_proxy_host",
      "type": "string"
    },
    "s3_proxy_port": {
      "description": "s3_proxy_port",
      "type": "number"
    },
    "s3_proxy_disable_https": {
      "description": "s3_proxy_disable_https",
      "type": "boolean"
    },
    "vpn_enabled": {
      "description": "vpn_enabled",
      "type": "boolean"
    },
    "vpn_host": {
      "description": "vpn_host",
      "type": "string"
    },
    "period": {
      "description": "period",
```

```

    "type": "number"
  },
  "nexus_enabled": {
    "description": "nexus_enabled",
    "type": "boolean"
  },
  "nexus_host": {
    "description": "nexus_host",
    "type": "string"
  },
  "nexus_port": {
    "description": "nexus_port",
    "type": "number"
  },
  "nexus_interval": {
    "description": "nexus_interval",
    "type": "number"
  }
}
}
}

```

## Response

### Codes

Code	Description
202	Return value on success

## PATCH

Partial set of monitoring configuration.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

Request  
Schema

```
{
  "description": "monitoring_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "enabled",
      "type": "boolean"
    },
    "mq_host": {
      "description": "mq_host",
      "type": "string"
    },
    "mq_port": {
      "description": "mq_port",
      "type": "number"
    },
    "mq_proxy_host": {
      "description": "mq_proxy_host",
      "type": "string"
    },
    "mq_proxy_port": {
      "description": "mq_proxy_port",
      "type": "number"
    },
    "s3_proxy_host": {
      "description": "s3_proxy_host",
      "type": "string"
    },
    "s3_proxy_port": {
      "description": "s3_proxy_port",
      "type": "number"
    },
    "s3_proxy_disable_https": {
      "description": "s3_proxy_disable_https",
      "type": "boolean"
    },
    "vpn_enabled": {
      "description": "vpn_enabled",
      "type": "boolean"
    },
    "vpn_host": {
      "description": "vpn_host",
      "type": "string"
    },
    "period": {
      "description": "period",

```

```
    "type": "number"
  },
  "nexus_enabled": {
    "description": "nexus_enabled",
    "type": "boolean"
  },
  "nexus_host": {
    "description": "nexus_host",
    "type": "string"
  },
  "nexus_port": {
    "description": "nexus_port",
    "type": "number"
  },
  "nexus_interval": {
    "description": "nexus_interval",
    "type": "number"
  }
}
}
```

## Response

### Codes

Code	Description
202	Return value on success



# support/status/

## Endpoint

`/v1/support/status/`

## GET

List the monitoring status of all nodes: whether various kinds of monitoring connections are enabled/connected/etc.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "type": "array",
  "items": {
    "description": "api_node_monitoring_status",
    "type": "object",
    "properties": {
      "node_id": {
        "description": "Node Id",
        "type": "number"
      },
      "monitoring": {
        "type": "string",
        "enum": [
          "DISABLED",
          "IN_PROGRESS",
          "CONNECTED",
          "ERROR",
          "ERROR_PENDING"
        ],
        "description": "monitoring:\n * `CONNECTED` - MONITORING_CONNECTION_STATE_CONNECTED,\n * `DISABLED` - MONITORING_CONNECTION_STATE_DISABLED,\n * `ERROR` - MONITORING_CONNECTION_STATE_ERROR,\n * `ERROR_PENDING` - MONITORING_CONNECTION_STATE_ERROR_PENDING,\n * `IN_PROGRESS` - MONITORING_CONNECTION_STATE_IN_PROGRESS"
      },
      "file_upload": {
        "type": "string",
        "enum": [
          "DISABLED",
          "IN_PROGRESS",
          "CONNECTED",
          "ERROR",
          "ERROR_PENDING"
        ],
        "description": "file_upload:\n * `CONNECTED` - MONITORING_CONNECTION_STATE_CONNECTED,\n * `DISABLED` - MONITORING_CONNECTION_STATE_DISABLED,\n * `ERROR` - MONITORING_CONNECTION_STATE_ERROR,\n * `ERROR_PENDING` - MONITORING_CONNECTION_STATE_ERROR_PENDING,\n * `IN_PROGRESS` - MONITORING_CONNECTION_STATE_IN_PROGRESS"
      },
      "vpn_connection": {
        "type": "string",
        "enum": [
          "DISABLED",
          "IN_PROGRESS",
          "CONNECTED",
          "ERROR",
          "ERROR_PENDING"
        ]
      }
    }
  }
}

```

```
    ],  
    "description": "vpn_connection:\n * `CONNECTED` - MONITORING_CONNECTION_STAT  
E_CONNECTED,\n * `DISABLED` - MONITORING_CONNECTION_STATE_DISABLED,\n * `ERROR` - MO  
NITORING_CONNECTION_STATE_ERROR,\n * `ERROR_PENDING` - MONITORING_CONNECTION_STATE_E  
RROR_PENDING,\n * `IN_PROGRESS` - MONITORING_CONNECTION_STATE_IN_PROGRESS"  
    }  
  }  
}  
}
```

# support/vpn-keys

## Endpoint

/v1/support/vpn-keys

## GET

Get VPN keys.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

#### Schema

```
{
  "description": "vpn_keys",
  "type": "object",
  "properties": {
    "mqvpn_client_cert": {
      "description": "mqvpn_client_cert",
      "type": "string"
    },
    "mqvpn_client_key": {
      "description": "mqvpn_client_key",
      "type": "string"
    },
    "qumulo_ca_cert": {
      "description": "qumulo_ca_cert",
      "type": "string"
    }
  }
}
```

## PUT

Set VPN keys.

## Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "vpn_keys",
  "type": "object",
  "properties": {
    "mqvpn_client_cert": {
      "description": "mqvpn_client_cert",
      "type": "string"
    },
    "mqvpn_client_key": {
      "description": "mqvpn_client_key",
      "type": "string"
    },
    "qumulo_ca_cert": {
      "description": "qumulo_ca_cert",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "vpn_keys",
  "type": "object",
  "properties": {
    "mqvpn_client_cert": {
      "description": "mqvpn_client_cert",
      "type": "string"
    },
    "mqvpn_client_key": {
      "description": "mqvpn_client_key",
      "type": "string"
    },
    "qumulo_ca_cert": {
      "description": "qumulo_ca_cert",
      "type": "string"
    }
  }
}
```

## PATCH

Set VPN keys.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "vpn_keys_patch",
  "type": "object",
  "properties": {
    "mqvpn_client_cert": {
      "description": "mqvpn_client_cert",
      "type": "string"
    },
    "mqvpn_client_key": {
      "description": "mqvpn_client_key",
      "type": "string"
    },
    "qumulo_ca_cert": {
      "description": "qumulo_ca_cert",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "vpn_keys",
  "type": "object",
  "properties": {
    "mqvpn_client_cert": {
      "description": "mqvpn_client_cert",
      "type": "string"
    },
    "mqvpn_client_key": {
      "description": "mqvpn_client_key",
      "type": "string"
    },
    "qumulo_ca_cert": {
      "description": "qumulo_ca_cert",
      "type": "string"
    }
  }
}
```

# support/vpn/key/certificate-signing-request

## Endpoint

`/v1/support/vpn/key/certificate-signing-request`

## GET

Get a certificate signing request for the generated private key. This returns empty if no private key was generated or if a manual private key is used.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_certificate_signing_request",
  "type": "object",
  "properties": {
    "request": {
      "description": "request",
      "type": "string"
    }
  }
}
```

# support/vpn/key/generate

## Endpoint

`/v1/support/vpn/key/generate`

## POST

Generate a new VPN private key. If there is an existing private key, this overwrites that key.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

# nfs/exports/

## Endpoint

`/v2/nfs/exports/`

## GET

This method lists NFS exports. Refer to the 'Modify NFS Export' method for a description of the returned fields.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "type": "array",
  "items": {
    "description": "api_nfs_export",
    "type": "object",
    "properties": {
      "id": {
        "description": "The unique ID of the NFS export",
        "type": "string"
      },
      "export_path": {
        "description": "The NFS export path",
        "type": "string"
      },
      "fs_path": {
        "description": "The filesystem path of the exported directory",
        "type": "string"
      },
      "description": {
        "description": "Description of this NFS export",
        "type": "string"
      },
      "restrictions": {
        "type": "array",
        "items": {
          "description": "An array of NFS host restrictions.",
          "type": "object",
          "properties": {
            "host_restrictions": {
              "type": "array",
              "items": {
                "description": "The list of hosts allowed to connect",
                "type": "string"
              }
            },
            "require_privileged_port": {
              "description": "Require that clients use a privileged port to use thi
s export.",
              "type": "boolean"
            },
            "read_only": {
              "description": "Sets the NFS export to read-only",
              "type": "boolean"
            },
            "user_mapping": {
              "type": "string",

```

```

    "enum": [
        "NFS_MAP_NONE",
        "NFS_MAP_ROOT",
        "NFS_MAP_ALL"
    ],
    "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_AL
L` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Ma
p root user (uid 0).\"
    },
    "map_to_user": {
        "description": "An identity object representing a local user or an NF
S user to map (see /users). If map_to_user is an NFS user, then map_to_group with a
n NFS gid must be given.\",
        "type": "object",
        "properties": {
            "id_type": {
                "type": "string",
                "enum": [
                    "LOCAL_USER",
                    "LOCAL_GROUP",
                    "NFS_GID",
                    "NFS_UID",
                    "SMB_SID",
                    "INTERNAL",
                    "QUMULO_OPERATOR"
                ],
                "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GRO
UP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NF
S_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID\"
            },
            "id_value": {
                "description": "id_value\",
                "type": "string"
            }
        }
    },
    "map_to_group": {
        "description": "An identity object representing an NFS group. If give
n, map_to_user should be an NFS user.\",
        "type": "object",
        "properties": {
            "id_type": {
                "type": "string",
                "enum": [
                    "LOCAL_USER",
                    "LOCAL_GROUP\",

```





## POST

This method adds an NFS export.

### Parameters

Name	Description	Required
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No

Request  
Schema

```

{
  "description": "api_nfs_export_post",
  "type": "object",
  "properties": {
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          },
          "require_privileged_port": {
            "description": "Require that clients use a privileged port to use this e
xport.",
            "type": "boolean"
          },
          "read_only": {
            "description": "Sets the NFS export to read-only",
            "type": "boolean"
          },
          "user_mapping": {
            "type": "string",
            "enum": [
              "NFS_MAP_NONE",
              "NFS_MAP_ROOT",
              "NFS_MAP_ALL"
            ],
            "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL`

```

```
- Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0)."
```

```
  },  
  "map_to_user": {  
    "description": "An identity object representing a local user or an NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with an NFS gid must be given.",  
    "type": "object",  
    "properties": {  
      "id_type": {  
        "type": "string",  
        "enum": [  
          "LOCAL_USER",  
          "LOCAL_GROUP",  
          "NFS_GID",  
          "NFS_UID",  
          "SMB_SID",  
          "INTERNAL",  
          "QUMULO_OPERATOR"  
        ]  
      },  
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"  
    },  
    "id_value": {  
      "description": "id_value",  
      "type": "string"  
    }  
  }  
},  
"map_to_group": {  
  "description": "An identity object representing an NFS group. If given, map_to_user should be an NFS user.",  
  "type": "object",  
  "properties": {  
    "id_type": {  
      "type": "string",  
      "enum": [  
        "LOCAL_USER",  
        "LOCAL_GROUP",  
        "NFS_GID",  
        "NFS_UID",  
        "SMB_SID",  
        "INTERNAL",  
        "QUMULO_OPERATOR"  
      ]  
    },  
  }  
},
```



## Schema

```

{
  "description": "api_nfs_export",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      },
      "user_mapping": {
        "type": "string",
        "enum": [
          "NFS_MAP_NONE",

```

```

        "NFS_MAP_ROOT",
        "NFS_MAP_ALL"
    ],
    "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0).",
    },
    "map_to_user": {
        "description": "An identity object representing a local user or an NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with an NFS gid must be given.",
        "type": "object",
        "properties": {
            "id_type": {
                "type": "string",
                "enum": [
                    "LOCAL_USER",
                    "LOCAL_GROUP",
                    "NFS_GID",
                    "NFS_UID",
                    "SMB_SID",
                    "INTERNAL",
                    "QUMULO_OPERATOR"
                ]
            },
            "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
        },
        "id_value": {
            "description": "id_value",
            "type": "string"
        }
    }
},
"map_to_group": {
    "description": "An identity object representing an NFS group. If given, map_to_user should be an NFS user.",
    "type": "object",
    "properties": {
        "id_type": {
            "type": "string",
            "enum": [
                "LOCAL_USER",
                "LOCAL_GROUP",
                "NFS_GID",
                "NFS_UID",
            ]
        }
    }
}

```





# nfs/exports/

## Endpoint

`/v3/nfs/exports/`

## GET

This method lists NFS exports. Refer to the 'Modify NFS Export' method for a description of the returned fields.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_nfs_exports_v3",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of NFS exports",
        "type": "object",
        "properties": {
          "id": {
            "description": "The unique ID of the NFS export",
            "type": "string"
          },
          "export_path": {
            "description": "The NFS export path",
            "type": "string"
          },
          "tenant_id": {
            "description": "The tenant ID of the tenant that the NFS export is a part of",
            "type": "number"
          },
          "fs_path": {
            "description": "The filesystem path of the exported directory",
            "type": "string"
          },
          "description": {
            "description": "Description of this NFS export",
            "type": "string"
          },
          "restrictions": {
            "type": "array",
            "items": {
              "description": "An array of NFS host restrictions.",
              "type": "object",
              "properties": {
                "host_restrictions": {
                  "type": "array",
                  "items": {
                    "description": "The list of hosts allowed to connect",
                    "type": "string"
                  }
                },
                "require_privileged_port": {
                  "description": "Require that clients use a privileged port to use

```

```

this export.",
    "type": "boolean"
  },
  "read_only": {
    "description": "Sets the NFS export to read-only",
    "type": "boolean"
  },
  "user_mapping": {
    "type": "string",
    "enum": [
      "NFS_MAP_NONE",
      "NFS_MAP_ROOT",
      "NFS_MAP_ALL"
    ],
    "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0).",
  },
  "map_to_user": {
    "description": "An identity object representing a local user or a
n NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with
h an NFS gid must be given.",
    "type": "object",
    "properties": {
      "id_type": {
        "type": "string",
        "enum": [
          "LOCAL_USER",
          "LOCAL_GROUP",
          "NFS_GID",
          "NFS_UID",
          "SMB_SID",
          "INTERNAL",
          "QUMULO_OPERATOR"
        ],
        "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
      },
      "id_value": {
        "description": "id_value",
        "type": "string"
      }
    }
  },
}

```

```

    "map_to_group": {
      "description": "An identity object representing an NFS group. If g
iven, map_to_user should be an NFS user.",
      "type": "object",
      "properties": {
        "id_type": {
          "type": "string",
          "enum": [
            "LOCAL_USER",
            "LOCAL_GROUP",
            "NFS_GID",
            "NFS_UID",
            "SMB_SID",
            "INTERNAL",
            "QUMULO_OPERATOR"
          ],
          "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCA
L_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n *
`NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SI
D"
        },
        "id_value": {
          "description": "id_value",
          "type": "string"
        }
      }
    },
    "fields_to_present_as_32_bit": {
      "description": "Specify which NFS3 result values should be 32-bit saniti
zed on this export. Has no effect on exports used over NFS4.",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "FILE_IDS",
          "FILE_SIZES",
          "FS_SIZE",
          "ALL"
        ],
        "description": "Specify which NFS3 result values should be 32-bit sani
tized on this export. Has no effect on exports used over NFS4.: \n * `ALL` - Force al
l 64 bit fields to fit in 32 bits., \n * `FILE_IDS` - Hash high file ids to 32 bit
s., \n * `FILE_SIZES` - Clamp large file sizes to 4GiB to fit in 32 bits., \n * `FS_SI

```

```
ZE` - Clamp available, used and total space reported for the FS to 4GiB."
```

```
    }  
  }  
}  
}
```

## POST

This method adds an NFS export.

### Parameters

Name	Description	Required
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No

Request  
Schema



```

{
  "description": "api_nfs_export_post_v3",
  "type": "object",
  "properties": {
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the NFS export is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      },
      "user_mapping": {
        "type": "string",
        "enum": [
          "NFS_MAP_NONE",

```

```

        "NFS_MAP_ROOT",
        "NFS_MAP_ALL"
    ],
    "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0).",
    },
    "map_to_user": {
        "description": "An identity object representing a local user or an NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with an NFS gid must be given.",
        "type": "object",
        "properties": {
            "id_type": {
                "type": "string",
                "enum": [
                    "LOCAL_USER",
                    "LOCAL_GROUP",
                    "NFS_GID",
                    "NFS_UID",
                    "SMB_SID",
                    "INTERNAL",
                    "QUMULO_OPERATOR"
                ]
            },
            "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
        },
        "id_value": {
            "description": "id_value",
            "type": "string"
        }
    }
},
"map_to_group": {
    "description": "An identity object representing an NFS group. If given, map_to_user should be an NFS user.",
    "type": "object",
    "properties": {
        "id_type": {
            "type": "string",
            "enum": [
                "LOCAL_USER",
                "LOCAL_GROUP",
                "NFS_GID",
                "NFS_UID",
            ]
        }
    }
}

```



Schema

```

{
  "description": "api_nfs_export_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the NFS export is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      }
    }
  }
}

```

```

"user_mapping": {
  "type": "string",
  "enum": [
    "NFS_MAP_NONE",
    "NFS_MAP_ROOT",
    "NFS_MAP_ALL"
  ],
  "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL`  
- Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map r  
oot user (uid 0).",
},
"map_to_user": {
  "description": "An identity object representing a local user or an NFS u  
ser to map (see /users). If map_to_user is an NFS user, then map_to_group with an NF  
S gid must be given.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU  
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U  
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"map_to_group": {
  "description": "An identity object representing an NFS group. If given,  
map_to_user should be an NFS user.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [

```



# nfs/exports/{export\_id}

## Endpoint

`/v3/nfs/exports/{export_id}`

## GET

This method retrieves the specified NFS export. Refer to the 'Modify NFS Export' method for a description of the returned fields.

## Parameters

Name	Description	Required
<code>export_id</code>	The unique NFS export ID.	Yes

## Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_nfs_export_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the NFS export is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      }
    }
  }
}

```

```

"user_mapping": {
  "type": "string",
  "enum": [
    "NFS_MAP_NONE",
    "NFS_MAP_ROOT",
    "NFS_MAP_ALL"
  ],
  "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL`  
- Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map r  
oot user (uid 0).",
},
"map_to_user": {
  "description": "An identity object representing a local user or an NFS u  
ser to map (see /users). If map_to_user is an NFS user, then map_to_group with an NF  
S gid must be given.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU  
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U  
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"map_to_group": {
  "description": "An identity object representing an NFS group. If given,  
map_to_user should be an NFS user.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [

```



## Parameters

Name	Description	Required
<code>export_id</code>	The unique NFS export ID.	Yes
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_nfs_export_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the NFS export is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      }
    }
  }
}

```

```

"user_mapping": {
  "type": "string",
  "enum": [
    "NFS_MAP_NONE",
    "NFS_MAP_ROOT",
    "NFS_MAP_ALL"
  ],
  "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0).",
},
"map_to_user": {
  "description": "An identity object representing a local user or an NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with an NFS gid must be given.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"map_to_group": {
  "description": "An identity object representing an NFS group. If given, map_to_user should be an NFS user.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [

```



```
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
    ],
    "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU\n P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U\n ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
    },
    "id_value": {
        "description": "id_value",
        "type": "string"
    }
}
}
}
},
"fields_to_present_as_32_bit": {
    "description": "Specify which NFS3 result values should be 32-bit sanitized o\n n this export. Has no effect on exports used over NFS4.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "FILE_IDS",
            "FILE_SIZES",
            "FS_SIZE",
            "ALL"
        ],
    },
    "description": "Specify which NFS3 result values should be 32-bit sanitized\n on this export. Has no effect on exports used over NFS4.: \n * `ALL` - Force all 64 b\n it fields to fit in 32 bits., \n * `FILE_IDS` - Hash high file ids to 32 bits., \n *\n `FILE_SIZES` - Clamp large file sizes to 4GiB to fit in 32 bits., \n *\n `FS_SIZE` - Cl\n amp available, used and total space reported for the FS to 4GiB."
}
}
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_nfs_export_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the NFS export is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      }
    }
  }
}

```

```

"user_mapping": {
  "type": "string",
  "enum": [
    "NFS_MAP_NONE",
    "NFS_MAP_ROOT",
    "NFS_MAP_ALL"
  ],
  "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL`  
- Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map r  
oot user (uid 0).",
},
"map_to_user": {
  "description": "An identity object representing a local user or an NFS u  
ser to map (see /users). If map_to_user is an NFS user, then map_to_group with an NF  
S gid must be given.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU  
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U  
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"map_to_group": {
  "description": "An identity object representing an NFS group. If given,  
map_to_user should be an NFS user.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [

```



## Parameters

Name	Description	Required
<code>export_id</code>	The unique NFS export ID.	Yes
<code>If-Match</code>	ETag for expected version	No

## Response

### Codes

Code	Description
200	Return value on success

## PATCH

This method modifies individual attributes of an NFS export.

## Parameters

Name	Description	Required
<code>export_id</code>	The unique NFS export ID.	Yes
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No
<code>If-Match</code>	ETag for expected version	No

Request  
Schema



```

{
  "description": "api_nfs_export_patch_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the NFS export is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      }
    }
  }
}

```

```

"user_mapping": {
  "type": "string",
  "enum": [
    "NFS_MAP_NONE",
    "NFS_MAP_ROOT",
    "NFS_MAP_ALL"
  ],
  "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL`  
- Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map r  
oot user (uid 0).",
},
"map_to_user": {
  "description": "An identity object representing a local user or an NFS u  
ser to map (see /users). If map_to_user is an NFS user, then map_to_group with an NF  
S gid must be given.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU  
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U  
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"map_to_group": {
  "description": "An identity object representing an NFS group. If given,  
map_to_user should be an NFS user.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [

```



## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_nfs_export_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the NFS export is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      }
    }
  }
}

```

```

"user_mapping": {
  "type": "string",
  "enum": [
    "NFS_MAP_NONE",
    "NFS_MAP_ROOT",
    "NFS_MAP_ALL"
  ],
  "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL`  
- Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map r  
oot user (uid 0).",
},
"map_to_user": {
  "description": "An identity object representing a local user or an NFS u  
ser to map (see /users). If map_to_user is an NFS user, then map_to_group with an NF  
S gid must be given.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [
        "LOCAL_USER",
        "LOCAL_GROUP",
        "NFS_GID",
        "NFS_UID",
        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
      ],
      "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU  
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U  
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
    },
    "id_value": {
      "description": "id_value",
      "type": "string"
    }
  }
},
"map_to_group": {
  "description": "An identity object representing an NFS group. If given,  
map_to_user should be an NFS user.",
  "type": "object",
  "properties": {
    "id_type": {
      "type": "string",
      "enum": [

```





# nfs/exports/{ref}

## Endpoint

`/v2/nfs/exports/{ref}`

## GET

This method retrieves the specified NFS export. Refer to the 'Modify NFS Export' method for a description of the returned fields.

### Parameters

Name	Description	Required
<code>ref</code>	A unique identifier of the NFS export, either ID or export path	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_nfs_export",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      },
      "user_mapping": {
        "type": "string",
        "enum": [
          "NFS_MAP_NONE",

```

```

        "NFS_MAP_ROOT",
        "NFS_MAP_ALL"
    ],
    "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0).",
    },
    "map_to_user": {
        "description": "An identity object representing a local user or an NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with an NFS gid must be given.",
        "type": "object",
        "properties": {
            "id_type": {
                "type": "string",
                "enum": [
                    "LOCAL_USER",
                    "LOCAL_GROUP",
                    "NFS_GID",
                    "NFS_UID",
                    "SMB_SID",
                    "INTERNAL",
                    "QUMULO_OPERATOR"
                ]
            },
            "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
        },
        "id_value": {
            "description": "id_value",
            "type": "string"
        }
    }
},
"map_to_group": {
    "description": "An identity object representing an NFS group. If given, map_to_user should be an NFS user.",
    "type": "object",
    "properties": {
        "id_type": {
            "type": "string",
            "enum": [
                "LOCAL_USER",
                "LOCAL_GROUP",
                "NFS_GID",
                "NFS_UID",
            ]
        }
    }
}

```



## Parameters

Name	Description	Required
<code>ref</code>	A unique identifier of the NFS export, either ID or export path	Yes
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_nfs_export",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      },
      "user_mapping": {
        "type": "string",
        "enum": [
          "NFS_MAP_NONE",

```



```

        "NFS_MAP_ROOT",
        "NFS_MAP_ALL"
    ],
    "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0).",
    },
    "map_to_user": {
        "description": "An identity object representing a local user or an NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with an NFS gid must be given.",
        "type": "object",
        "properties": {
            "id_type": {
                "type": "string",
                "enum": [
                    "LOCAL_USER",
                    "LOCAL_GROUP",
                    "NFS_GID",
                    "NFS_UID",
                    "SMB_SID",
                    "INTERNAL",
                    "QUMULO_OPERATOR"
                ]
            },
            "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
        },
        "id_value": {
            "description": "id_value",
            "type": "string"
        }
    }
},
"map_to_group": {
    "description": "An identity object representing an NFS group. If given, map_to_user should be an NFS user.",
    "type": "object",
    "properties": {
        "id_type": {
            "type": "string",
            "enum": [
                "LOCAL_USER",
                "LOCAL_GROUP",
                "NFS_GID",
                "NFS_UID",
            ]
        }
    }
}

```



## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_nfs_export",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      },
      "user_mapping": {
        "type": "string",
        "enum": [
          "NFS_MAP_NONE",

```

```

        "NFS_MAP_ROOT",
        "NFS_MAP_ALL"
    ],
    "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0).",
    },
    "map_to_user": {
        "description": "An identity object representing a local user or an NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with an NFS gid must be given.",
        "type": "object",
        "properties": {
            "id_type": {
                "type": "string",
                "enum": [
                    "LOCAL_USER",
                    "LOCAL_GROUP",
                    "NFS_GID",
                    "NFS_UID",
                    "SMB_SID",
                    "INTERNAL",
                    "QUMULO_OPERATOR"
                ]
            },
            "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
        },
        "id_value": {
            "description": "id_value",
            "type": "string"
        }
    }
},
"map_to_group": {
    "description": "An identity object representing an NFS group. If given, map_to_user should be an NFS user.",
    "type": "object",
    "properties": {
        "id_type": {
            "type": "string",
            "enum": [
                "LOCAL_USER",
                "LOCAL_GROUP",
                "NFS_GID",
                "NFS_UID",
            ]
        }
    }
}

```

```

        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
    ],
    "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
        "description": "id_value",
        "type": "string"
    }
}
}
},
"fields_to_present_as_32_bit": {
    "description": "Specify which NFS3 result values should be 32-bit sanitized o
n this export. Has no effect on exports used over NFS4.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "FILE_IDS",
            "FILE_SIZES",
            "FS_SIZE",
            "ALL"
        ],
    },
    "description": "Specify which NFS3 result values should be 32-bit sanitized
on this export. Has no effect on exports used over NFS4.: \n * `ALL` - Force all 64 b
it fields to fit in 32 bits., \n * `FILE_IDS` - Hash high file ids to 32 bits., \n *
`FILE_SIZES` - Clamp large file sizes to 4GiB to fit in 32 bits., \n * `FS_SIZE` - Cl
amp available, used and total space reported for the FS to 4GiB."
}
},
"tenant_id": {
    "description": "The tenant ID of the tenant that the NFS export is a part of",
    "type": "number"
}
}
}
}

```

## DELETE

This method deletes an NFS export.

## Parameters

Name	Description	Required
<code>ref</code>	A unique identifier of the NFS export, either ID or export path	Yes
<code>If-Match</code>	ETag for expected version	No

## Response

### Codes

Code	Description
200	Return value on success

## PATCH

This method modifies individual attributes of a NFS export.

## Parameters

Name	Description	Required
<code>ref</code>	A unique identifier of the NFS export, either ID or export path	Yes
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No
<code>If-Match</code>	ETag for expected version	No



Request  
Schema

```

{
  "description": "api_nfs_export_patch",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      },
      "user_mapping": {
        "type": "string",
        "enum": [
          "NFS_MAP_NONE",

```

```

        "NFS_MAP_ROOT",
        "NFS_MAP_ALL"
    ],
    "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0).",
    },
    "map_to_user": {
        "description": "An identity object representing a local user or an NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with an NFS gid must be given.",
        "type": "object",
        "properties": {
            "id_type": {
                "type": "string",
                "enum": [
                    "LOCAL_USER",
                    "LOCAL_GROUP",
                    "NFS_GID",
                    "NFS_UID",
                    "SMB_SID",
                    "INTERNAL",
                    "QUMULO_OPERATOR"
                ]
            },
            "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
        },
        "id_value": {
            "description": "id_value",
            "type": "string"
        }
    }
},
"map_to_group": {
    "description": "An identity object representing an NFS group. If given, map_to_user should be an NFS user.",
    "type": "object",
    "properties": {
        "id_type": {
            "type": "string",
            "enum": [
                "LOCAL_USER",
                "LOCAL_GROUP",
                "NFS_GID",
                "NFS_UID",
            ]
        }
    }
}

```

```

        "SMB_SID",
        "INTERNAL",
        "QUMULO_OPERATOR"
    ],
    "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROU
P` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_U
ID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID"
    },
    "id_value": {
        "description": "id_value",
        "type": "string"
    }
}
}
}
},
"fields_to_present_as_32_bit": {
    "description": "Specify which NFS3 result values should be 32-bit sanitized o
n this export. Has no effect on exports used over NFS4.",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "FILE_IDS",
            "FILE_SIZES",
            "FS_SIZE",
            "ALL"
        ],
    },
    "description": "Specify which NFS3 result values should be 32-bit sanitized
on this export. Has no effect on exports used over NFS4.: \n * `ALL` - Force all 64 b
it fields to fit in 32 bits., \n * `FILE_IDS` - Hash high file ids to 32 bits., \n *
`FILE_SIZES` - Clamp large file sizes to 4GiB to fit in 32 bits., \n * `FS_SIZE` - Cl
amp available, used and total space reported for the FS to 4GiB."
}
},
"tenant_id": {
    "description": "The tenant ID of the tenant that the NFS export is a part of",
    "type": "number"
}
}
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_nfs_export",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the NFS export",
      "type": "string"
    },
    "export_path": {
      "description": "The NFS export path",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path of the exported directory",
      "type": "string"
    },
    "description": {
      "description": "Description of this NFS export",
      "type": "string"
    },
    "restrictions": {
      "type": "array",
      "items": {
        "description": "An array of NFS host restrictions.",
        "type": "object",
        "properties": {
          "host_restrictions": {
            "type": "array",
            "items": {
              "description": "The list of hosts allowed to connect",
              "type": "string"
            }
          }
        }
      },
      "require_privileged_port": {
        "description": "Require that clients use a privileged port to use this e
xport.",
        "type": "boolean"
      },
      "read_only": {
        "description": "Sets the NFS export to read-only",
        "type": "boolean"
      },
      "user_mapping": {
        "type": "string",
        "enum": [
          "NFS_MAP_NONE",

```

```

        "NFS_MAP_ROOT",
        "NFS_MAP_ALL"
    ],
    "description": "NFS user mapping (squashing) support:\n * `NFS_MAP_ALL` - Map all users.,\n * `NFS_MAP_NONE` - Do not map users.,\n * `NFS_MAP_ROOT` - Map root user (uid 0).",
    },
    "map_to_user": {
        "description": "An identity object representing a local user or an NFS user to map (see /users). If map_to_user is an NFS user, then map_to_group with an NFS gid must be given.",
        "type": "object",
        "properties": {
            "id_type": {
                "type": "string",
                "enum": [
                    "LOCAL_USER",
                    "LOCAL_GROUP",
                    "NFS_GID",
                    "NFS_UID",
                    "SMB_SID",
                    "INTERNAL",
                    "QUMULO_OPERATOR"
                ]
            },
            "description": "id_type:\n * `INTERNAL` - INTERNAL,\n * `LOCAL_GROUP` - LOCAL_GROUP,\n * `LOCAL_USER` - LOCAL_USER,\n * `NFS_GID` - NFS_GID,\n * `NFS_UID` - NFS_UID,\n * `QUMULO_OPERATOR` - QUMULO_OPERATOR,\n * `SMB_SID` - SMB_SID",
        },
        "id_value": {
            "description": "id_value",
            "type": "string"
        }
    }
},
"map_to_group": {
    "description": "An identity object representing an NFS group. If given, map_to_user should be an NFS user.",
    "type": "object",
    "properties": {
        "id_type": {
            "type": "string",
            "enum": [
                "LOCAL_USER",
                "LOCAL_GROUP",
                "NFS_GID",
                "NFS_UID",
            ]
        }
    }
}

```





# nfs/settings

## Endpoint

`/v2/nfs/settings`

## GET

Retrieve current NFS server configuration.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## PUT

Modify current NFS server configuration.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## PATCH

Modify current NFS server configuration.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_nfs_settings_patch",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

# multitenancy/nfs/global-settings

## Endpoint

`/v1/multitenancy/nfs/global-settings`

## GET

Retrieve global NFS configuration.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## PUT

Set global NFS configuration.

### Parameters

Name	Description	Required
<b>If-Match</b>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## PATCH

Modify global NFS configuration.

### Parameters

Name	Description	Required
<b>If-Match</b>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_nfs_settings_patch",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

# multitenancy/nfs/settings/

## Endpoint

`/v1/multitenancy/nfs/settings/`

## GET

Retrieve all tenant-specific NFS configurations.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

# multitenancy/nfs/settings/{id}

## Endpoint

`/v1/multitenancy/nfs/settings/{id}`

## GET

Retrieve current tenant-specific NFS configuration.

### Parameters

Name	Description	Required
<code>id</code>	The tenant ID of the NFS settings.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## PUT

Set current tenant-specific NFS configuration.

### Parameters

Name	Description	Required
<b>id</b>	The tenant ID of the NFS settings.	Yes
<b>If-Match</b>	ETag for expected version	No



## Request

### Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## DELETE

Delete current NFS configuration, restoring the global settings for this tenant.

### Parameters

Name	Description	Required
<b>id</b>	The tenant ID of the NFS settings.	Yes
<b>If-Match</b>	ETag for expected version	No

### Response

#### Codes

Code	Description
------	-------------

200	Return value on success
-----	-------------------------

## PATCH

Modify current tenant-specific NFS configuration.

### Parameters

Name	Description	Required
<b>id</b>	The tenant ID of the NFS settings.	Yes
<b>If-Match</b>	ETag for expected version	No

### Request

#### Schema

```
{
  "description": "api_nfs_settings_patch",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_nfs_settings",
  "type": "object",
  "properties": {
    "v4_enabled": {
      "description": "Whether NFSv4 is enabled",
      "type": "boolean"
    },
    "krb5_enabled": {
      "description": "Whether Kerberos5 is enabled",
      "type": "boolean"
    },
    "krb5p_enabled": {
      "description": "Whether Kerberos5p (privacy) is enabled",
      "type": "boolean"
    },
    "krb5i_enabled": {
      "description": "Whether Kerberos5i (integrity) is enabled",
      "type": "boolean"
    },
    "auth_sys_enabled": {
      "description": "Whether AUTH_SYS is enabled",
      "type": "boolean"
    }
  }
}
```

# multitenancy/smb/global-settings

## Endpoint

`/v1/multitenancy/smb/global-settings`

## GET

Retrieve global SMB configuration.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```

    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
}

```

## PUT

Set global SMB configuration.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No



Request  
Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```
    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.:\\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```

    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
}

```

## PATCH

Modify global SMB configuration.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_smb_settings_patch",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```



```
    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.:\\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```
    ],
    "description": "Whether the special .snapshot directory should be visible or a
accessible.\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
```

# multitenancy/smb/settings/

## Endpoint

`/v1/multitenancy/smb/settings/`

## GET

Retrieve all tenant-specific SMB configurations.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

# multitenancy/smb/settings/{id}

## Endpoint

`/v1/multitenancy/smb/settings/{id}`

## GET

Retrieve current tenant-specific SMB configuration.

### Parameters

Name	Description	Required
<code>id</code>	The tenant ID of the SMB settings.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```



```

    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.:\\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
}

```

## PUT

Set current tenant-specific SMB configuration.

### Parameters

Name	Description	Required
<code>id</code>	The tenant ID of the SMB settings.	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```
    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```

    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.:\\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
}

```

## DELETE

Delete current SMB configuration, restoring the global settings for this tenant.

### Parameters

Name	Description	Required
<code>id</code>	The tenant ID of the SMB settings.	Yes
<code>If-Match</code>	ETag for expected version	No

### Response

#### Codes

Code	Description
200	Return value on success

## PATCH

Modify current tenant-specific SMB configuration.

### Parameters

Name	Description	Required
<code>id</code>	The tenant ID of the SMB settings.	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema



```

{
  "description": "api_smb_settings_patch",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```
    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.:\\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```
    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
```

# multitenancy/tenants/

## Endpoint

`/v1/multitenancy/tenants/`

## GET

Get configurations of all tenants.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema

```
{
  "description": "api_tenant_configs",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of tenant configs",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique identifier for this tenant configuration.",
            "type": "number"
          },
          "name": {
            "description": "Unique name of the tenant chosen by the user.",
            "type": "string"
          },
          "web_ui_enabled": {
            "description": "Web UI is accessible from this tenant.",
            "type": "boolean"
          },
          "rest_api_enabled": {
            "description": "Rest API is accessible from this tenant.",
            "type": "boolean"
          },
          "ssh_enabled": {
            "description": "SSH is accessible from this tenant.",
            "type": "boolean"
          },
          "replication_enabled": {
            "description": "Replication is accessible from this tenant.",
            "type": "boolean"
          },
          "nfs_enabled": {
            "description": "NFS is accessible from this tenant.",
            "type": "boolean"
          },
          "smb_enabled": {
            "description": "SMB is accessible from this tenant.",
            "type": "boolean"
          },
          "networks": {
            "type": "array",
            "items": {
              "description": "List of network IDs associated with this tenant.",
            }
          }
        }
      }
    }
  }
}
```



```
        "type": "number"
      }
    },
    "identity_config_id": {
      "description": "Unique identifier for the identity configuration to use
for this tenant.",
      "type": "number"
    }
  }
}
}
```

## POST

Create a tenant.

Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_tenant_config_post",
  "type": "object",
  "properties": {
    "name": {
      "description": "Unique name of the tenant chosen by the user.",
      "type": "string"
    },
    "web_ui_enabled": {
      "description": "Web UI is accessible from this tenant. Defaults to false.",
      "type": "boolean"
    },
    "rest_api_enabled": {
      "description": "Rest API is accessible from this tenant. Defaults to false.",
      "type": "boolean"
    },
    "ssh_enabled": {
      "description": "SSH is accessible from this tenant. Defaults to false.",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Replication is accessible from this tenant. Defaults to false.",
      "type": "boolean"
    },
    "nfs_enabled": {
      "description": "NFS is accessible from this tenant. Defaults to false.",
      "type": "boolean"
    },
    "smb_enabled": {
      "description": "SMB is accessible from this tenant. Defaults to false.",
      "type": "boolean"
    },
    "networks": {
      "type": "array",
      "items": {
        "description": "List of network IDs associated with this tenant. Defaults to empty.",
        "type": "number"
      }
    },
    "identity_config_id": {
      "description": "Unique identifier for the identity configuration to use for this tenant.",
      "type": "number"
    }
  }
}

```

```
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```
{
  "description": "api_tenant_config",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for this tenant configuration.",
      "type": "number"
    },
    "name": {
      "description": "Unique name of the tenant chosen by the user.",
      "type": "string"
    },
    "web_ui_enabled": {
      "description": "Web UI is accessible from this tenant.",
      "type": "boolean"
    },
    "rest_api_enabled": {
      "description": "Rest API is accessible from this tenant.",
      "type": "boolean"
    },
    "ssh_enabled": {
      "description": "SSH is accessible from this tenant.",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Replication is accessible from this tenant.",
      "type": "boolean"
    },
    "nfs_enabled": {
      "description": "NFS is accessible from this tenant.",
      "type": "boolean"
    },
    "smb_enabled": {
      "description": "SMB is accessible from this tenant.",
      "type": "boolean"
    },
    "networks": {
      "type": "array",
      "items": {
        "description": "List of network IDs associated with this tenant.",
        "type": "number"
      }
    },
    "identity_config_id": {
      "description": "Unique identifier for the identity configuration to use for this tenant.",

```

```
    "type": "number"  
  }  
}  
}
```

# multitenancy/tenants/{tenant\_id}

## Endpoint

`/v1/multitenancy/tenants/{tenant_id}`

## GET

Get configuration of a tenant.

### Parameters

Name	Description	Required
<code>tenant_id</code>	The unique ID of the tenant	Yes

### Response

#### Codes

Code	Description
200	Return value on success



Schema

```
{
  "description": "api_tenant_config",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for this tenant configuration.",
      "type": "number"
    },
    "name": {
      "description": "Unique name of the tenant chosen by the user.",
      "type": "string"
    },
    "web_ui_enabled": {
      "description": "Web UI is accessible from this tenant.",
      "type": "boolean"
    },
    "rest_api_enabled": {
      "description": "Rest API is accessible from this tenant.",
      "type": "boolean"
    },
    "ssh_enabled": {
      "description": "SSH is accessible from this tenant.",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Replication is accessible from this tenant.",
      "type": "boolean"
    },
    "nfs_enabled": {
      "description": "NFS is accessible from this tenant.",
      "type": "boolean"
    },
    "smb_enabled": {
      "description": "SMB is accessible from this tenant.",
      "type": "boolean"
    },
    "networks": {
      "type": "array",
      "items": {
        "description": "List of network IDs associated with this tenant.",
        "type": "number"
      }
    },
    "identity_config_id": {
      "description": "Unique identifier for the identity configuration to use for this tenant.",

```

```
    "type": "number"
  }
}
```

## PUT

Set configuration of a tenant.

### Parameters

Name	Description	Required
<code>tenant_id</code>	The unique ID of the tenant	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```
{
  "description": "api_tenant_config",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for this tenant configuration.",
      "type": "number"
    },
    "name": {
      "description": "Unique name of the tenant chosen by the user.",
      "type": "string"
    },
    "web_ui_enabled": {
      "description": "Web UI is accessible from this tenant.",
      "type": "boolean"
    },
    "rest_api_enabled": {
      "description": "Rest API is accessible from this tenant.",
      "type": "boolean"
    },
    "ssh_enabled": {
      "description": "SSH is accessible from this tenant.",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Replication is accessible from this tenant.",
      "type": "boolean"
    },
    "nfs_enabled": {
      "description": "NFS is accessible from this tenant.",
      "type": "boolean"
    },
    "smb_enabled": {
      "description": "SMB is accessible from this tenant.",
      "type": "boolean"
    },
    "networks": {
      "type": "array",
      "items": {
        "description": "List of network IDs associated with this tenant.",
        "type": "number"
      }
    },
    "identity_config_id": {
      "description": "Unique identifier for the identity configuration to use for this tenant.",

```

```
    "type": "number"  
  }  
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_tenant_config",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for this tenant configuration.",
      "type": "number"
    },
    "name": {
      "description": "Unique name of the tenant chosen by the user.",
      "type": "string"
    },
    "web_ui_enabled": {
      "description": "Web UI is accessible from this tenant.",
      "type": "boolean"
    },
    "rest_api_enabled": {
      "description": "Rest API is accessible from this tenant.",
      "type": "boolean"
    },
    "ssh_enabled": {
      "description": "SSH is accessible from this tenant.",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Replication is accessible from this tenant.",
      "type": "boolean"
    },
    "nfs_enabled": {
      "description": "NFS is accessible from this tenant.",
      "type": "boolean"
    },
    "smb_enabled": {
      "description": "SMB is accessible from this tenant.",
      "type": "boolean"
    },
    "networks": {
      "type": "array",
      "items": {
        "description": "List of network IDs associated with this tenant.",
        "type": "number"
      }
    },
    "identity_config_id": {
      "description": "Unique identifier for the identity configuration to use for th
is tenant.",

```



```
    "type": "number"
  }
}
```

## DELETE

Delete configuration of a tenant.

### Parameters

Name	Description	Required
<code>tenant_id</code>	The unique ID of the tenant	Yes
<code>If-Match</code>	ETag for expected version	No

### Response

#### Codes

Code	Description
200	Return value on success

## PATCH

Update the configuration of a tenant.

### Parameters

Name	Description	Required
<code>tenant_id</code>	The unique ID of the tenant	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_tenant_config_patch",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for this tenant configuration.",
      "type": "number"
    },
    "name": {
      "description": "Unique name of the tenant chosen by the user.",
      "type": "string"
    },
    "web_ui_enabled": {
      "description": "Web UI is accessible from this tenant.",
      "type": "boolean"
    },
    "rest_api_enabled": {
      "description": "Rest API is accessible from this tenant.",
      "type": "boolean"
    },
    "ssh_enabled": {
      "description": "SSH is accessible from this tenant.",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Replication is accessible from this tenant.",
      "type": "boolean"
    },
    "nfs_enabled": {
      "description": "NFS is accessible from this tenant.",
      "type": "boolean"
    },
    "smb_enabled": {
      "description": "SMB is accessible from this tenant.",
      "type": "boolean"
    },
    "networks": {
      "type": "array",
      "items": {
        "description": "List of network IDs associated with this tenant.",
        "type": "number"
      }
    },
    "identity_config_id": {
      "description": "Unique identifier for the identity configuration to use for th
is tenant.",

```

```
    "type": "number"  
  }  
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_tenant_config",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for this tenant configuration.",
      "type": "number"
    },
    "name": {
      "description": "Unique name of the tenant chosen by the user.",
      "type": "string"
    },
    "web_ui_enabled": {
      "description": "Web UI is accessible from this tenant.",
      "type": "boolean"
    },
    "rest_api_enabled": {
      "description": "Rest API is accessible from this tenant.",
      "type": "boolean"
    },
    "ssh_enabled": {
      "description": "SSH is accessible from this tenant.",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Replication is accessible from this tenant.",
      "type": "boolean"
    },
    "nfs_enabled": {
      "description": "NFS is accessible from this tenant.",
      "type": "boolean"
    },
    "smb_enabled": {
      "description": "SMB is accessible from this tenant.",
      "type": "boolean"
    },
    "networks": {
      "type": "array",
      "items": {
        "description": "List of network IDs associated with this tenant.",
        "type": "number"
      }
    },
    "identity_config_id": {
      "description": "Unique identifier for the identity configuration to use for th
is tenant.",

```

```
    "type": "number"  
  }  
}  
}
```

# network/connections/

## Endpoint

`/v2/network/connections/`

## GET

Return a list of NFS and SMB protocol connections to each node

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_connection_list_data",
    "type": "object",
    "properties": {
      "id": {
        "description": "id",
        "type": "number"
      },
      "connections": {
        "type": "array",
        "items": {
          "description": "connections",
          "type": "object",
          "properties": {
            "type": {
              "type": "string",
              "enum": [
                "CONNECTION_TYPE_NFS",
                "CONNECTION_TYPE_SMB",
                "CONNECTION_TYPE_FTP",
                "CONNECTION_TYPE_REST",
                "CONNECTION_TYPE_S3"
              ],
              "description": "type:\n * `CONNECTION_TYPE_FTP` - CONNECTION_TYPE_FT
P,\n * `CONNECTION_TYPE_NFS` - CONNECTION_TYPE_NFS,\n * `CONNECTION_TYPE_REST` - CON
NECTION_TYPE_REST,\n * `CONNECTION_TYPE_S3` - CONNECTION_TYPE_S3,\n * `CONNECTION_TY
PE_SMB` - CONNECTION_TYPE_SMB"
            },
            "network_address": {
              "description": "network_address",
              "type": "string"
            },
            "tenant_id": {
              "description": "tenant_id",
              "type": "number"
            }
          }
        }
      }
    }
  }
}
```

# network/floating-ip-allocation

## Endpoint

`/v1/network/floating-ip-allocation`

## GET

Returns floating IPs per node distribution based on the current network configuration. Returns status code 400 if the server is in DHCP mode.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_node_floating_ips",
    "type": "object",
    "properties": {
      "id": {
        "description": "Node Id",
        "type": "number"
      },
      "floating_addresses": {
        "type": "array",
        "items": {
          "description": "Floating IPv4 or IPv6 addresses in 0.0.0.0 or :: format",
          "type": "string"
        }
      }
    }
  }
}
```

# network/interfaces/

## Endpoint

`/v2/network/interfaces/`

## GET

Get configurations of all interfaces for the whole cluster.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "description": "api_interface_config",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier for this interface configuration",
        "type": "number"
      },
      "name": {
        "description": "Name of the configured interface i.e. bond0",
        "type": "string"
      },
      "default_gateway": {
        "description": "Default IPv4 gateway on which all traffic generated from nodes is sent out on this interface",
        "type": "string"
      },
      "default_gateway_ipv6": {
        "description": "Default IPv6 gateway on which all traffic generated from nodes is sent out on this interface",
        "type": "string"
      },
      "bonding_mode": {
        "type": "string",
        "enum": [
          "ACTIVE_BACKUP",
          "IEEE_8023AD"
        ],
        "description": "Linux bonding mode on this interface, if it is bonded.:\n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\n * `IEEE_8023AD` - BONDING_MODE_IEEE_8023AD"
      },
      "mtu": {
        "description": "Maximum transmission unit configuration value",
        "type": "number"
      }
    }
  }
}
```

# network/interfaces/{id}/status/

## Endpoint

`/v2/network/interfaces/{id}/status/`

## GET

Retrieve the network statuses of all nodes on the underlying network interface

### Parameters

Name	Description	Required
<code>id</code>	The unique ID of the network interface	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "type": "array",
  "items": {
    "description": "api_interface_network_statuses",
    "type": "object",
    "properties": {
      "node_id": {
        "description": "Node Id",
        "type": "number"
      },
      "node_name": {
        "description": "Node name",
        "type": "string"
      },
      "update_status": {
        "type": "string",
        "enum": [
          "CHANGES_APPLIED",
          "CHANGES_PENDING",
          "UNAVAILABLE"
        ],
        "description": "update_status:\n * `CHANGES_APPLIED` - UPDATE_STATUS_CHANGE
S_APPLIED,\n * `CHANGES_PENDING` - UPDATE_STATUS_CHANGES_PENDING,\n * `UNAVAILABLE`
- UPDATE_STATUS_UNAVAILABLE"
      },
      "interface_details": {
        "description": "interface_details",
        "type": "object",
        "properties": {
          "speed": {
            "description": "Network card speed in Mbps.",
            "type": "number"
          },
          "bytes_sent": {
            "description": "Bytes sent over the interface.",
            "type": "string"
          },
          "bytes_received": {
            "description": "Bytes received over the interface.",
            "type": "string"
          },
          "cable_status": {
            "type": "string",
            "enum": [
              "CONNECTED",
              "DISCONNECTED",

```

```

        "UNKNOWN"
    ],
    "description": "Whether network card is connected via cable.:\\n * `CONNECTED` - NETWORK_CABLE_CONNECTED,\\n * `DISCONNECTED` - NETWORK_CABLE_DISCONNECTED,\\n * `UNKNOWN` - NETWORK_CABLE_UNKNOWN"
  },
  "interface_status": {
    "type": "string",
    "enum": [
      "UP",
      "DOWN",
      "MISSING",
      "UNKNOWN",
      "NOTPRESENT",
      "LOWERLAYERDOWN",
      "TESTING",
      "DORMANT"
    ],
    "description": "Status of interface connection.:\\n * `DORMANT` - NETWORK_INTERFACE_DORMANT,\\n * `DOWN` - NETWORK_INTERFACE_DOWN,\\n * `LOWERLAYERDOWN` - NETWORK_INTERFACE_LOWER_LAYER_DOWN,\\n * `MISSING` - NETWORK_INTERFACE_MISSING,\\n * `NOTPRESENT` - NETWORK_INTERFACE_NOT_PRESENT,\\n * `TESTING` - NETWORK_INTERFACE_TESTING,\\n * `UNKNOWN` - NETWORK_INTERFACE_UNKNOWN,\\n * `UP` - NETWORK_INTERFACE_UP"
  },
  "mac_address": {
    "description": "MAC address.",
    "type": "string"
  },
  "timestamp": {
    "description": "UNIX epoch timestamp for when the network status was sampled.",
    "type": "string"
  }
}
},
"interface_status": {
  "description": "interface_status",
  "type": "object",
  "properties": {
    "interface_id": {
      "description": "Unique identifier for this interface configuration.",
      "type": "number"
    },
    "name": {
      "description": "Name of the configured interface i.e. bond0.",
      "type": "string"
    }
  }
}

```



```

    },
    "default_gateway": {
      "description": "IPv4 default gateway on which all traffic generated from nodes is sent out on this interface.",
      "type": "string"
    },
    "default_gateway_ipv6": {
      "description": "IPv6 default gateway on which all traffic generated from nodes is sent out on this interface.",
      "type": "string"
    },
    "bonding_mode": {
      "type": "string",
      "enum": [
        "ACTIVE_BACKUP",
        "IEEE_8023AD"
      ],
      "description": "Ethernet bonding mode (ACTIVE_BACKUP or IEEE_8023AD), if this interface is bonded:\n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\n * `IEEE_8023AD` - BONDING_MODE_IEEE_8023AD"
    },
    "mtu": {
      "description": "The maximum transfer unit in bytes",
      "type": "number"
    }
  }
},
"network_statuses": {
  "type": "array",
  "items": {
    "description": "network_statuses",
    "type": "object",
    "properties": {
      "name": {
        "description": "User-assigned network configuration name",
        "type": "string"
      },
      "assigned_by": {
        "type": "string",
        "enum": [
          "DHCP",
          "STATIC",
          "LINK_LOCAL"
        ],
        "description": "How to assign IP address, either DHCP, STATIC, or LINK_LOCAL:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL"
      }
    }
  }
}

```

```

D_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
    },
    "address": {
      "description": "The IPv4 or IPv6 address in 0.0.0.0 or :: format",
      "type": "string"
    },
    },
    "floating_addresses": {
      "type": "array",
      "items": {
        "description": "Floating IPv4 or IPv6 addresses in 0.0.0.0 or :: for
mat",
          "type": "string"
        }
      },
    },
    "dns_servers": {
      "type": "array",
      "items": {
        "description": "The list of DNS servers",
        "type": "string"
      }
    },
    },
    "dns_search_domains": {
      "type": "array",
      "items": {
        "description": "The list of DNS search domains",
        "type": "string"
      }
    },
    },
    "netmask": {
      "description": "The IPv4 or IPv6 netmask in 0.0.0.0 or :: format, or t
he IPv4 or IPv6 subnet CIDR",
      "type": "string"
    },
    },
    "mtu": {
      "description": "The maximum transfer unit in bytes",
      "type": "number"
    },
    },
    "vlan_id": {
      "description": "User-assigned vlan_id tag for network configuration.",
      "type": "number"
    }
  }
}
},
"aws_status": {
  "description": "AWS Network Status.",

```

```

"type": "object",
"properties": {
  "eni_id": {
    "description": "ID of the network interface.",
    "type": "string"
  },
  "device_number": {
    "description": "Device number of the interface.",
    "type": "number"
  },
  "private_ipv4_addresses": {
    "type": "array",
    "items": {
      "description": "All private IP addresses associated with the interface.",
      "type": "string"
    }
  },
  "subnet_id": {
    "description": "ID of the subnet for the interface.",
    "type": "string"
  },
  "subnet_mask": {
    "description": "Subnet mask of the interface.",
    "type": "string"
  },
  "vpc_id": {
    "description": "ID of the VPC for the interface.",
    "type": "string"
  },
  "security_groups": {
    "type": "array",
    "items": {
      "description": "Names of the security groups applied.",
      "type": "string"
    }
  }
},
"azure_status": {
  "description": "Azure Network Status.",
  "type": "object",
  "properties": {
    "private_ipv4_address": {
      "description": "Private IPv4 address of this instance.",
      "type": "string"
    }
  }
}

```

```

    },
    "network": {
      "description": "Azure network containing this instance.",
      "type": "string"
    },
    "subnet_mask": {
      "description": "Subnet mask of the instance's network.",
      "type": "string"
    }
  },
  "gcp_status": {
    "description": "GCP Network Status.",
    "type": "object",
    "properties": {
      "private_ipv4_address": {
        "description": "Private IPv4 address of this instance.",
        "type": "string"
      },
      "ip_aliases": {
        "type": "array",
        "items": {
          "description": "List of IP aliases associated with this instance.",
          "type": "string"
        }
      },
      "network": {
        "description": "GCP network containing this instance.",
        "type": "string"
      },
      "subnet_mask": {
        "description": "Subnet mask of the instance's network.",
        "type": "string"
      }
    }
  }
}

```

# network/interfaces/{interface\_id}

## Endpoint

`/v2/network/interfaces/{interface_id}`

## GET

Get configuration of an interface.

### Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_interface_config",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for this interface configuration",
      "type": "number"
    },
    "name": {
      "description": "Name of the configured interface i.e. bond0",
      "type": "string"
    },
    "default_gateway": {
      "description": "Default IPv4 gateway on which all traffic generated from node s is sent out on this interface",
      "type": "string"
    },
    "default_gateway_ipv6": {
      "description": "Default IPv6 gateway on which all traffic generated from node s is sent out on this interface",
      "type": "string"
    },
    "bonding_mode": {
      "type": "string",
      "enum": [
        "ACTIVE_BACKUP",
        "IEEE_8023AD"
      ],
      "description": "Linux bonding mode on this interface, if it is bonded.:\\n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\\n * `IEEE_8023AD` - BONDING_MODE_IEEE_8023AD"
    },
    "mtu": {
      "description": "Maximum transmission unit configuration value",
      "type": "number"
    }
  }
}
```

## PUT

Set configuration of an interface. Changes in interface MTU will be applied to the untagged STATIC network as well as the interface.

## Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_interface_config",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for this interface configuration",
      "type": "number"
    },
    "name": {
      "description": "Name of the configured interface i.e. bond0",
      "type": "string"
    },
    "default_gateway": {
      "description": "Default IPv4 gateway on which all traffic generated from node s is sent out on this interface",
      "type": "string"
    },
    "default_gateway_ipv6": {
      "description": "Default IPv6 gateway on which all traffic generated from node s is sent out on this interface",
      "type": "string"
    },
    "bonding_mode": {
      "type": "string",
      "enum": [
        "ACTIVE_BACKUP",
        "IEEE_8023AD"
      ],
      "description": "Linux bonding mode on this interface, if it is bonded.:\\n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\\n * `IEEE_8023AD` - BONDING_MODE_IEEE_8023AD"
    },
    "mtu": {
      "description": "Maximum transmission unit configuration value",
      "type": "number"
    }
  }
}
```



## Response

### Codes

Code	Description
202	Return value on success

## PATCH

Update a subset of an interface configuration. Changes in interface MTU will be applied to the untagged STATIC network as well as the interface.

### Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_interface_config",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for this interface configuration",
      "type": "number"
    },
    "name": {
      "description": "Name of the configured interface i.e. bond0",
      "type": "string"
    },
    "default_gateway": {
      "description": "Default IPv4 gateway on which all traffic generated from node
s is sent out on this interface",
      "type": "string"
    },
    "default_gateway_ipv6": {
      "description": "Default IPv6 gateway on which all traffic generated from node
s is sent out on this interface",
      "type": "string"
    },
    "bonding_mode": {
      "type": "string",
      "enum": [
        "ACTIVE_BACKUP",
        "IEEE_8023AD"
      ],
      "description": "Linux bonding mode on this interface, if it is bonded.:\\n * `A
CTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\\n * `IEEE_8023AD` - BONDING_MODE_IEEE_80
23AD"
    },
    "mtu": {
      "description": "Maximum transmission unit configuration value",
      "type": "number"
    }
  }
}
```

## Response

### Codes

Code	Description
202	Return value on success

# network/interfaces/{interface\_id}/networks/

## Endpoint

`/v2/network/interfaces/{interface_id}/networks/`

## GET

Get configurations of all networks configured on an interface. This will always include at least one network, and exactly one if it is assigned by DHCP. Network 1 is created by default, but it may be removed if other networks are created via static assignment.

## Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "type": "array",
  "items": {
    "description": "api_network_config_v2",
    "type": "object",
    "properties": {
      "name": {
        "description": "name",
        "type": "string"
      },
      "id": {
        "description": "id",
        "type": "number"
      },
      "assigned_by": {
        "type": "string",
        "enum": [
          "DHCP",
          "STATIC",
          "LINK_LOCAL"
        ],
        "description": "assigned_by:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
      },
      "floating_ip_ranges": {
        "type": "array",
        "items": {
          "description": "floating_ip_ranges",
          "type": "string"
        }
      },
      "dns_servers": {
        "type": "array",
        "items": {
          "description": "dns_servers",
          "type": "string"
        }
      },
      "dns_search_domains": {
        "type": "array",
        "items": {
          "description": "dns_search_domains",
          "type": "string"
        }
      }
    }
  }
}

```

```

"ip_ranges": {
  "type": "array",
  "items": {
    "description": "ip_ranges",
    "type": "string"
  }
},
"netmask": {
  "description": "netmask",
  "type": "string"
},
"mtu": {
  "description": "mtu",
  "type": "number"
},
"vlan_id": {
  "description": "User assigned VLAN tag for network configuration. 1-4094 are valid VLAN IDs and 0 is used for untagged networks.",
  "type": "number"
},
"tenant_id": {
  "description": "The tenant ID of the tenant that the network is a part of.",
  "type": "number"
}
}
}
}

```

## POST

Add a network configuration to the interface. If the network being added is an untagged STATIC network, the MTU will be computed based on the interface configuration.

### Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes

Request  
Schema



```

{
  "description": "api_network_config_v2",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "number"
    },
    "assigned_by": {
      "type": "string",
      "enum": [
        "DHCP",
        "STATIC",
        "LINK_LOCAL"
      ],
      "description": "assigned_by:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
    },
    "floating_ip_ranges": {
      "type": "array",
      "items": {
        "description": "floating_ip_ranges",
        "type": "string"
      }
    },
    "dns_servers": {
      "type": "array",
      "items": {
        "description": "dns_servers",
        "type": "string"
      }
    },
    "dns_search_domains": {
      "type": "array",
      "items": {
        "description": "dns_search_domains",
        "type": "string"
      }
    },
    "ip_ranges": {
      "type": "array",

```

```
    "items": {
      "description": "ip_ranges",
      "type": "string"
    }
  },
  "netmask": {
    "description": "netmask",
    "type": "string"
  },
  "mtu": {
    "description": "mtu",
    "type": "number"
  },
  "vlan_id": {
    "description": "User assigned VLAN tag for network configuration. 1-4094 are valid VLAN IDs and 0 is used for untagged networks.",
    "type": "number"
  },
  "tenant_id": {
    "description": "The tenant ID of the tenant that the network is a part of.",
    "type": "number"
  }
}
}
```

## Response

### Codes

Code	Description
202	Return value on success

# network/ interfaces/{interface\_id}/networks/{network\_id}

## Endpoint

`/v2/network/interfaces/{interface_id}/networks/{network_id}`

## GET

Get configuration of a network on an interface.

### Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes
<code>network_id</code>	The unique ID of the virtual network	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_network_config_v2",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "number"
    },
    "assigned_by": {
      "type": "string",
      "enum": [
        "DHCP",
        "STATIC",
        "LINK_LOCAL"
      ],
      "description": "assigned_by:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
    },
    "floating_ip_ranges": {
      "type": "array",
      "items": {
        "description": "floating_ip_ranges",
        "type": "string"
      }
    },
    "dns_servers": {
      "type": "array",
      "items": {
        "description": "dns_servers",
        "type": "string"
      }
    },
    "dns_search_domains": {
      "type": "array",
      "items": {
        "description": "dns_search_domains",
        "type": "string"
      }
    },
    "ip_ranges": {
      "type": "array",

```

```

    "items": {
      "description": "ip_ranges",
      "type": "string"
    }
  },
  "netmask": {
    "description": "netmask",
    "type": "string"
  },
  "mtu": {
    "description": "mtu",
    "type": "number"
  },
  "vlan_id": {
    "description": "User assigned VLAN tag for network configuration. 1-4094 are valid VLAN IDs and 0 is used for untagged networks.",
    "type": "number"
  },
  "tenant_id": {
    "description": "The tenant ID of the tenant that the network is a part of.",
    "type": "number"
  }
}
}
}

```

## PUT

Set configuration of a network on an interface. MTU change will not be allowed if the network being updated is an untagged STATIC network. Please modify the interface config instead.

### Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes
<code>network_id</code>	The unique ID of the virtual network	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_network_config_v2",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "number"
    },
    "assigned_by": {
      "type": "string",
      "enum": [
        "DHCP",
        "STATIC",
        "LINK_LOCAL"
      ],
      "description": "assigned_by:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
    },
    "floating_ip_ranges": {
      "type": "array",
      "items": {
        "description": "floating_ip_ranges",
        "type": "string"
      }
    },
    "dns_servers": {
      "type": "array",
      "items": {
        "description": "dns_servers",
        "type": "string"
      }
    },
    "dns_search_domains": {
      "type": "array",
      "items": {
        "description": "dns_search_domains",
        "type": "string"
      }
    },
    "ip_ranges": {
      "type": "array",

```



```

    "items": {
      "description": "ip_ranges",
      "type": "string"
    }
  },
  "netmask": {
    "description": "netmask",
    "type": "string"
  },
  "mtu": {
    "description": "mtu",
    "type": "number"
  },
  "vlan_id": {
    "description": "User assigned VLAN tag for network configuration. 1-4094 are valid VLAN IDs and 0 is used for untagged networks.",
    "type": "number"
  },
  "tenant_id": {
    "description": "The tenant ID of the tenant that the network is a part of.",
    "type": "number"
  }
}
}
}

```

## Response

### Codes

Code	Description
202	Return value on success

## DELETE

Delete configuration of a network on an interface.

### Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes
<code>network_id</code>	The unique ID of the virtual network	Yes
<code>If-Match</code>	ETag for expected version	No

## Response

### Codes

Code	Description
202	Return value on success

## PATCH

Update a subset of configuration of a network on an interface. MTU change will not be allowed if the network being updated is an untagged STATIC network. Please modify the interface config instead.

### Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes
<code>network_id</code>	The unique ID of the virtual network	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_network_config_v2",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "id": {
      "description": "id",
      "type": "number"
    },
    "assigned_by": {
      "type": "string",
      "enum": [
        "DHCP",
        "STATIC",
        "LINK_LOCAL"
      ],
      "description": "assigned_by:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
    },
    "floating_ip_ranges": {
      "type": "array",
      "items": {
        "description": "floating_ip_ranges",
        "type": "string"
      }
    },
    "dns_servers": {
      "type": "array",
      "items": {
        "description": "dns_servers",
        "type": "string"
      }
    },
    "dns_search_domains": {
      "type": "array",
      "items": {
        "description": "dns_search_domains",
        "type": "string"
      }
    },
    "ip_ranges": {
      "type": "array",

```

```
  "items": {
    "description": "ip_ranges",
    "type": "string"
  },
  "netmask": {
    "description": "netmask",
    "type": "string"
  },
  "mtu": {
    "description": "mtu",
    "type": "number"
  },
  "vlan_id": {
    "description": "User assigned VLAN tag for network configuration. 1-4094 are valid VLAN IDs and 0 is used for untagged networks.",
    "type": "number"
  },
  "tenant_id": {
    "description": "The tenant ID of the tenant that the network is a part of.",
    "type": "number"
  }
}
```

## Response

### Codes

Code	Description
202	Return value on success

# network/ interfaces/{interface\_id}/status/{node\_id}

## Endpoint

`/v2/network/interfaces/{interface_id}/status/{node_id}`

## GET

Retrieve the network status of a node on the underlying network interface

### Parameters

Name	Description	Required
<code>interface_id</code>	The unique ID of the network interface	Yes
<code>node_id</code>	The unique ID of the node	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_interface_network_statuses",
  "type": "object",
  "properties": {
    "node_id": {
      "description": "Node Id",
      "type": "number"
    },
    "node_name": {
      "description": "Node name",
      "type": "string"
    },
    "update_status": {
      "type": "string",
      "enum": [
        "CHANGES_APPLIED",
        "CHANGES_PENDING",
        "UNAVAILABLE"
      ],
      "description": "update_status:\n * `CHANGES_APPLIED` - UPDATE_STATUS_CHANGES_A
PPLIED,\n * `CHANGES_PENDING` - UPDATE_STATUS_CHANGES_PENDING,\n * `UNAVAILABLE` - U
PDATE_STATUS_UNAVAILABLE"
    },
    "interface_details": {
      "description": "interface_details",
      "type": "object",
      "properties": {
        "speed": {
          "description": "Network card speed in Mbps.",
          "type": "number"
        },
        "bytes_sent": {
          "description": "Bytes sent over the interface.",
          "type": "string"
        },
        "bytes_received": {
          "description": "Bytes received over the interface.",
          "type": "string"
        },
        "cable_status": {
          "type": "string",
          "enum": [
            "CONNECTED",
            "DISCONNECTED",
            "UNKNOWN"
          ],
        },
      }
    }
  }
}

```



```

        "description": "Whether network card is connected via cable.:\\n * `CONNECTED` - NETWORK_CABLE_CONNECTED,\\n * `DISCONNECTED` - NETWORK_CABLE_DISCONNECTED,\\n * `UNKNOWN` - NETWORK_CABLE_UNKNOWN"
    },
    "interface_status": {
        "type": "string",
        "enum": [
            "UP",
            "DOWN",
            "MISSING",
            "UNKNOWN",
            "NOTPRESENT",
            "LOWERLAYERDOWN",
            "TESTING",
            "DORMANT"
        ],
        "description": "Status of interface connection.:\\n * `DORMANT` - NETWORK_INTERFACE_DORMANT,\\n * `DOWN` - NETWORK_INTERFACE_DOWN,\\n * `LOWERLAYERDOWN` - NETWORK_INTERFACE_LOWER_LAYER_DOWN,\\n * `MISSING` - NETWORK_INTERFACE_MISSING,\\n * `NOTPRESENT` - NETWORK_INTERFACE_NOT_PRESENT,\\n * `TESTING` - NETWORK_INTERFACE_TESTING,\\n * `UNKNOWN` - NETWORK_INTERFACE_UNKNOWN,\\n * `UP` - NETWORK_INTERFACE_UP"
    },
    "mac_address": {
        "description": "MAC address.",
        "type": "string"
    },
    "timestamp": {
        "description": "UNIX epoch timestamp for when the network status was sampled.",
        "type": "string"
    }
}
},
"interface_status": {
    "description": "interface_status",
    "type": "object",
    "properties": {
        "interface_id": {
            "description": "Unique identifier for this interface configuration.",
            "type": "number"
        },
        "name": {
            "description": "Name of the configured interface i.e. bond0.",
            "type": "string"
        },
        "default_gateway": {

```

```

    "description": "IPv4 default gateway on which all traffic generated from nodes is sent out on this interface.",
    "type": "string"
  },
  "default_gateway_ipv6": {
    "description": "IPv6 default gateway on which all traffic generated from nodes is sent out on this interface.",
    "type": "string"
  },
  "bonding_mode": {
    "type": "string",
    "enum": [
      "ACTIVE_BACKUP",
      "IEEE_8023AD"
    ],
    "description": "Ethernet bonding mode (ACTIVE_BACKUP or IEEE_8023AD), if this interface is bonded:\n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\n * `IEEE_8023AD` - BONDING_MODE_IEEE_8023AD"
  },
  "mtu": {
    "description": "The maximum transfer unit in bytes",
    "type": "number"
  }
}
},
"network_statuses": {
  "type": "array",
  "items": {
    "description": "network_statuses",
    "type": "object",
    "properties": {
      "name": {
        "description": "User-assigned network configuration name",
        "type": "string"
      },
      "assigned_by": {
        "type": "string",
        "enum": [
          "DHCP",
          "STATIC",
          "LINK_LOCAL"
        ],
        "description": "How to assign IP address, either DHCP, STATIC, or LINK_LOCAL:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
      }
    }
  }
}

```

```

    "address": {
      "description": "The IPv4 or IPv6 address in 0.0.0.0 or :: format",
      "type": "string"
    },
    "floating_addresses": {
      "type": "array",
      "items": {
        "description": "Floating IPv4 or IPv6 addresses in 0.0.0.0 or :: forma
t",
        "type": "string"
      }
    },
    "dns_servers": {
      "type": "array",
      "items": {
        "description": "The list of DNS servers",
        "type": "string"
      }
    },
    "dns_search_domains": {
      "type": "array",
      "items": {
        "description": "The list of DNS search domains",
        "type": "string"
      }
    },
    "netmask": {
      "description": "The IPv4 or IPv6 netmask in 0.0.0.0 or :: format, or th
e IPv4 or IPv6 subnet CIDR",
      "type": "string"
    },
    "mtu": {
      "description": "The maximum transfer unit in bytes",
      "type": "number"
    },
    "vlan_id": {
      "description": "User-assigned vlan_id tag for network configuration.",
      "type": "number"
    }
  }
},
"aws_status": {
  "description": "AWS Network Status.",
  "type": "object",
  "properties": {

```

```

"eni_id": {
  "description": "ID of the network interface.",
  "type": "string"
},
"device_number": {
  "description": "Device number of the interface.",
  "type": "number"
},
"private_ipv4_addresses": {
  "type": "array",
  "items": {
    "description": "All private IP addresses associated with the interface.",
    "type": "string"
  }
},
"subnet_id": {
  "description": "ID of the subnet for the interface.",
  "type": "string"
},
"subnet_mask": {
  "description": "Subnet mask of the interface.",
  "type": "string"
},
"vpc_id": {
  "description": "ID of the VPC for the interface.",
  "type": "string"
},
"security_groups": {
  "type": "array",
  "items": {
    "description": "Names of the security groups applied.",
    "type": "string"
  }
}
},
"azure_status": {
  "description": "Azure Network Status.",
  "type": "object",
  "properties": {
    "private_ipv4_address": {
      "description": "Private IPv4 address of this instance.",
      "type": "string"
    }
  },
  "network": {

```



# network/settings

## Endpoint

`/v1/network/settings`

## GET

Get global networking configuration for the whole cluster. This API is deprecated in favor of `/v2/network/interfaces/` and `/v2/network/interfaces/1/networks/`.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "description": "api_cluster_network_config_v1",
  "type": "object",
  "properties": {
    "assigned_by": {
      "type": "string",
      "enum": [
        "DHCP",
        "STATIC",
        "LINK_LOCAL"
      ],
      "description": "How to assign IP address, either DHCP or STATIC:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
    },
    "ip_ranges": {
      "type": "array",
      "items": {
        "description": "(STATIC only) Comma-separated list of IP ranges",
        "type": "string"
      }
    },
    "floating_ip_ranges": {
      "type": "array",
      "items": {
        "description": "(STATIC only) Comma-separated list of floating IP ranges",
        "type": "string"
      }
    },
    "netmask": {
      "description": "(STATIC only) The IPv4 or IPv6 netmask in 0.0.0.0 or :: format, or the IPv4 or IPv6 subnet CIDR",
      "type": "string"
    },
    "gateway": {
      "description": "(STATIC only) The IPv4 gateway in 0.0.0.0 format",
      "type": "string"
    },
    "gateway_ipv6": {
      "description": "(STATIC only) The IPv6 gateway in :: format",
      "type": "string"
    },
    "dns_servers": {
      "type": "array",
      "items": {
        "description": "(STATIC only) The list of DNS servers",

```



```

    "type": "string"
  }
},
"dns_search_domains": {
  "type": "array",
  "items": {
    "description": "(STATIC only) The list of DNS search domains",
    "type": "string"
  }
},
"mtu": {
  "description": "(STATIC only) The maximum transfer unit (MTU) in bytes",
  "type": "number"
},
"bonding_mode": {
  "type": "string",
  "enum": [
    "ACTIVE_BACKUP",
    "IEEE_8023AD"
  ],
  "description": "Ethernet bonding mode (ACTIVE_BACKUP or IEEE_8023AD), if the i
nterface is bonded.:\\n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\\n * `IEEE_802
3AD` - BONDING_MODE_IEEE_8023AD"
}
}
}

```

## PUT

Change networking configuration for the whole cluster. This API is deprecated in favor of `/v2/network/interfaces/` and `/v2/network/interfaces/1/networks/`.

### Parameters

Name	Description	Required
<b>If-Match</b>	Etag for expected version	No

Request  
Schema

```

{
  "description": "api_cluster_network_config_v1",
  "type": "object",
  "properties": {
    "assigned_by": {
      "type": "string",
      "enum": [
        "DHCP",
        "STATIC",
        "LINK_LOCAL"
      ],
      "description": "How to assign IP address, either DHCP or STATIC:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
    },
    "ip_ranges": {
      "type": "array",
      "items": {
        "description": "(STATIC only) Comma-separated list of IP ranges",
        "type": "string"
      }
    },
    "floating_ip_ranges": {
      "type": "array",
      "items": {
        "description": "(STATIC only) Comma-separated list of floating IP ranges",
        "type": "string"
      }
    },
    "netmask": {
      "description": "(STATIC only) The IPv4 or IPv6 netmask in 0.0.0.0 or :: format, or the IPv4 or IPv6 subnet CIDR",
      "type": "string"
    },
    "gateway": {
      "description": "(STATIC only) The IPv4 gateway in 0.0.0.0 format",
      "type": "string"
    },
    "gateway_ipv6": {
      "description": "(STATIC only) The IPv6 gateway in :: format",
      "type": "string"
    },
    "dns_servers": {
      "type": "array",
      "items": {
        "description": "(STATIC only) The list of DNS servers",

```

```

    "type": "string"
  }
},
"dns_search_domains": {
  "type": "array",
  "items": {
    "description": "(STATIC only) The list of DNS search domains",
    "type": "string"
  }
},
"mtu": {
  "description": "(STATIC only) The maximum transfer unit (MTU) in bytes",
  "type": "number"
},
"bonding_mode": {
  "type": "string",
  "enum": [
    "ACTIVE_BACKUP",
    "IEEE_8023AD"
  ],
  "description": "Ethernet bonding mode (ACTIVE_BACKUP or IEEE_8023AD), if the i
nterface is bonded.:\n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\n * `IEEE_802
3AD` - BONDING_MODE_IEEE_8023AD"
}
}
}

```

## Response

### Codes

Code	Description
202	Return value on success

## PATCH

Update networking configuration for the whole cluster. This API is deprecated in favor of `/v2/network/interfaces/` and `/v2/network/interfaces/1/networks/`.

### Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_cluster_network_config_v1",
  "type": "object",
  "properties": {
    "assigned_by": {
      "type": "string",
      "enum": [
        "DHCP",
        "STATIC",
        "LINK_LOCAL"
      ],
      "description": "How to assign IP address, either DHCP or STATIC:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
    },
    "ip_ranges": {
      "type": "array",
      "items": {
        "description": "(STATIC only) Comma-separated list of IP ranges",
        "type": "string"
      }
    },
    "floating_ip_ranges": {
      "type": "array",
      "items": {
        "description": "(STATIC only) Comma-separated list of floating IP ranges",
        "type": "string"
      }
    },
    "netmask": {
      "description": "(STATIC only) The IPv4 or IPv6 netmask in 0.0.0.0 or :: format, or the IPv4 or IPv6 subnet CIDR",
      "type": "string"
    },
    "gateway": {
      "description": "(STATIC only) The IPv4 gateway in 0.0.0.0 format",
      "type": "string"
    },
    "gateway_ipv6": {
      "description": "(STATIC only) The IPv6 gateway in :: format",
      "type": "string"
    },
    "dns_servers": {
      "type": "array",
      "items": {
        "description": "(STATIC only) The list of DNS servers",

```

```

    "type": "string"
  }
},
"dns_search_domains": {
  "type": "array",
  "items": {
    "description": "(STATIC only) The list of DNS search domains",
    "type": "string"
  }
},
"mtu": {
  "description": "(STATIC only) The maximum transfer unit (MTU) in bytes",
  "type": "number"
},
"bonding_mode": {
  "type": "string",
  "enum": [
    "ACTIVE_BACKUP",
    "IEEE_8023AD"
  ],
  "description": "Ethernet bonding mode (ACTIVE_BACKUP or IEEE_8023AD), if the i
nterface is bonded.:\n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\n * `IEEE_802
3AD` - BONDING_MODE_IEEE_8023AD"
}
}
}

```

## Response

### Codes

Code	Description
202	Return value on success

# network/static-ip-allocation

## Endpoint

`/v1/network/static-ip-allocation`

## GET

Returns total/used/available numbers of IPs based on the current network configuration. Returns status code 400 if the server is in DHCP mode unless the try/floating query parameters are provided.

## Parameters

Name	Description	Required
<code>netmask</code>	Netmask to apply to the try and/or floating range arguments, overriding whatever is currently configured. Required if network is currently in DHCP mode.	No
<code>try</code>	Comma-separated static IP range(s) to try. Defaults to currently configured static IP range.	No
<code>floating</code>	Comma-separated floating IP range(s) to try. Defaults to currently configured floating IP range.	No

## Response

### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "api_static_ip_allocation_summary",
  "type": "object",
  "properties": {
    "total_ips": {
      "description": "Total number of IP addresses in the given IP ranges",
      "type": "number"
    },
    "used_ips": {
      "description": "Number of IP addresses currently assigned to nodes",
      "type": "number"
    },
    "available_ips": {
      "description": "Number of IP addresses available; can be negative",
      "type": "number"
    },
    "total_floating_ips": {
      "description": "Total floating ips",
      "type": "number"
    },
    "surplus_floating_ips": {
      "description": "Floating ip count too small or large",
      "type": "number"
    }
  }
}
```

# network/status/

## Endpoint

`/v1/network/status/`

## GET

This method lists the network status of all nodes. This API is deprecated in favor of `/v2/network/interfaces/1/status/`.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "type": "array",
  "items": {
    "description": "api_network_status_response",
    "type": "object",
    "properties": {
      "id": {
        "description": "Node ID",
        "type": "number"
      },
      "node_name": {
        "description": "Node name",
        "type": "string"
      },
      "update_status": {
        "type": "string",
        "enum": [
          "CHANGES_APPLIED",
          "CHANGES_PENDING",
          "UNAVAILABLE"
        ],
        "description": "update_status:\n * `CHANGES_APPLIED` - UPDATE_STATUS_CHANGE_S_APPLIED,\n * `CHANGES_PENDING` - UPDATE_STATUS_CHANGES_PENDING,\n * `UNAVAILABLE` - UPDATE_STATUS_UNAVAILABLE"
      },
      "network_status": {
        "description": "network_status",
        "type": "object",
        "properties": {
          "id": {
            "description": "Node Id",
            "type": "number"
          },
          "assigned_by": {
            "type": "string",
            "enum": [
              "DHCP",
              "STATIC",
              "LINK_LOCAL"
            ],
            "description": "How to assign IP address, either DHCP or STATIC:\n * `DHCP` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n * `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
          },
          "address": {
            "description": "The IPv4 or IPv6 address in 0.0.0.0 or :: format",

```

```

    "type": "string"
  },
  "floating_addresses": {
    "type": "array",
    "items": {
      "description": "Floating IPv4 or IPv6 addresses in 0.0.0.0 or :: format",
      "type": "string"
    }
  },
  "netmask": {
    "description": "The IPv4 or IPv6 netmask in 0.0.0.0 or :: format, or the IPv4 or IPv6 subnet CIDR",
    "type": "string"
  },
  "gateway": {
    "description": "The IPv4 gateway in 0.0.0.0 format",
    "type": "string"
  },
  "gateway_ipv6": {
    "description": "The IPv6 gateway in :: format",
    "type": "string"
  },
  "dns_servers": {
    "type": "array",
    "items": {
      "description": "The list of DNS servers",
      "type": "string"
    }
  },
  "dns_search_domains": {
    "type": "array",
    "items": {
      "description": "The list of DNS search domains",
      "type": "string"
    }
  },
  "mtu": {
    "description": "The maximum transfer unit in bytes",
    "type": "number"
  },
  "bonding_mode": {
    "type": "string",
    "enum": [
      "ACTIVE_BACKUP",
      "IEEE_8023AD"
    ]
  }
}

```

```

    ],
    "description": "Ethernet bonding mode (ACTIVE_BACKUP or IEEE_8023AD), if the interface is bonded.:\n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP,\n * `IEEE_8023AD` - BONDING_MODE_IEEE_8023AD"
  }
}
},
"network_details": {
  "description": "network_details",
  "type": "object",
  "properties": {
    "speed": {
      "description": "Network card speed in Mbps.",
      "type": "number"
    },
    "bytes_sent": {
      "description": "Bytes sent over the interface.",
      "type": "string"
    },
    "bytes_received": {
      "description": "Bytes received over the interface.",
      "type": "string"
    },
    "cable_status": {
      "type": "string",
      "enum": [
        "CONNECTED",
        "DISCONNECTED",
        "UNKNOWN"
      ],
      "description": "Whether network card is connected via cable.:\n * `CONNECTED` - NETWORK_CABLE_CONNECTED,\n * `DISCONNECTED` - NETWORK_CABLE_DISCONNECTED,\n * `UNKNOWN` - NETWORK_CABLE_UNKNOWN"
    },
    "interface_status": {
      "type": "string",
      "enum": [
        "UP",
        "DOWN",
        "MISSING",
        "UNKNOWN",
        "NOTPRESENT",
        "LOWERLAYERDOWN",
        "TESTING",
        "DORMANT"
      ]
    }
  }
},
],

```



# network/status/{id}

## Endpoint

`/v1/network/status/{id}`

## GET

This method retrieves the network configuration of the underlying system, including DHCP configuration, and status of any pending changes. This API is deprecated in favor of `/v2/network/interfaces/1/status/{node_id}`.

## Parameters

Name	Description	Required
<code>id</code>	The unique ID of the node	Yes

## Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_network_status_response",
  "type": "object",
  "properties": {
    "id": {
      "description": "Node ID",
      "type": "number"
    },
    "node_name": {
      "description": "Node name",
      "type": "string"
    },
    "update_status": {
      "type": "string",
      "enum": [
        "CHANGES_APPLIED",
        "CHANGES_PENDING",
        "UNAVAILABLE"
      ],
      "description": "update_status:\n * `CHANGES_APPLIED` - UPDATE_STATUS_CHANGES_A
PPLIED,\n * `CHANGES_PENDING` - UPDATE_STATUS_CHANGES_PENDING,\n * `UNAVAILABLE` - U
PDATE_STATUS_UNAVAILABLE"
    },
    "network_status": {
      "description": "network_status",
      "type": "object",
      "properties": {
        "id": {
          "description": "Node Id",
          "type": "number"
        },
        "assigned_by": {
          "type": "string",
          "enum": [
            "DHCP",
            "STATIC",
            "LINK_LOCAL"
          ],
          "description": "How to assign IP address, either DHCP or STATIC:\n * `DHC
P` - NETWORK_ASSIGNED_BY_DHCP,\n * `LINK_LOCAL` - NETWORK_ASSIGNED_BY_LINK_LOCAL,\n
* `STATIC` - NETWORK_ASSIGNED_BY_STATIC"
        },
        "address": {
          "description": "The IPv4 or IPv6 address in 0.0.0.0 or :: format",
          "type": "string"
        }
      }
    }
  }
}

```

```

"floating_addresses": {
  "type": "array",
  "items": {
    "description": "Floating IPv4 or IPv6 addresses in 0.0.0.0 or :: format",
    "type": "string"
  }
},
"netmask": {
  "description": "The IPv4 or IPv6 netmask in 0.0.0.0 or :: format, or the IPv4 or IPv6 subnet CIDR",
  "type": "string"
},
"gateway": {
  "description": "The IPv4 gateway in 0.0.0.0 format",
  "type": "string"
},
"gateway_ipv6": {
  "description": "The IPv6 gateway in :: format",
  "type": "string"
},
"dns_servers": {
  "type": "array",
  "items": {
    "description": "The list of DNS servers",
    "type": "string"
  }
},
"dns_search_domains": {
  "type": "array",
  "items": {
    "description": "The list of DNS search domains",
    "type": "string"
  }
},
"mtu": {
  "description": "The maximum transfer unit in bytes",
  "type": "number"
},
"bonding_mode": {
  "type": "string",
  "enum": [
    "ACTIVE_BACKUP",
    "IEEE_8023AD"
  ],
  "description": "Ethernet bonding mode (ACTIVE_BACKUP or IEEE_8023AD), if t

```

```

he interface is bonded.: \n * `ACTIVE_BACKUP` - BONDING_MODE_ACTIVE_BACKUP, \n * `IEEE
E_8023AD` - BONDING_MODE_IEEE_8023AD"
    }
  }
},
"network_details": {
  "description": "network_details",
  "type": "object",
  "properties": {
    "speed": {
      "description": "Network card speed in Mbps.",
      "type": "number"
    },
    "bytes_sent": {
      "description": "Bytes sent over the interface.",
      "type": "string"
    },
    "bytes_received": {
      "description": "Bytes received over the interface.",
      "type": "string"
    },
    "cable_status": {
      "type": "string",
      "enum": [
        "CONNECTED",
        "DISCONNECTED",
        "UNKNOWN"
      ],
      "description": "Whether network card is connected via cable.: \n * `CONNECT
ED` - NETWORK_CABLE_CONNECTED, \n * `DISCONNECTED` - NETWORK_CABLE_DISCONNECTED, \n *
`UNKNOWN` - NETWORK_CABLE_UNKNOWN"
    },
    "interface_status": {
      "type": "string",
      "enum": [
        "UP",
        "DOWN",
        "MISSING",
        "UNKNOWN",
        "NOTPRESENT",
        "LOWERLAYERDOWN",
        "TESTING",
        "DORMANT"
      ],
      "description": "Status of interface connection.: \n * `DORMANT` - NETWORK_I
NTERFACE_DORMANT, \n * `DOWN` - NETWORK_INTERFACE_DOWN, \n * `LOWERLAYERDOWN` - NETWOR

```



# replication/object-relationships/

## Endpoint

`/v3/replication/object-relationships/`

## GET

List existing object replication relationships.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "type": "array",
  "items": {
    "description": "api_object_relationship_v3",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier of the replication relationship",
        "type": "string"
      },
      "direction": {
        "type": "string",
        "enum": [
          "COPY_TO_OBJECT",
          "COPY_FROM_OBJECT"
        ],
        "description": "The object relationship can either copy data to or from the
object store:\n * `COPY_FROM_OBJECT` - COPY_FROM_OBJECT,\n * `COPY_TO_OBJECT` - COP
Y_TO_OBJECT"
      },
      "local_directory_id": {
        "description": "File ID of the qumulo directory",
        "type": "string"
      },
      "object_store_address": {
        "description": "S3-compatible server address",
        "type": "string"
      },
      "port": {
        "description": "HTTPS port to use when communicating with the object store",
        "type": "number"
      },
      "ca_certificate": {
        "description": "Public certificate of the certificate authority to trust fo
r connections to the object store, in PEM format. If empty, the built-in trusted pub
lic CAs are used.",
        "type": "string"
      },
      "bucket": {
        "description": "Bucket in the object store to use",
        "type": "string"
      },
      "bucket_style": {
        "type": "string",
        "enum": [
          "BUCKET_STYLE_PATH",

```



```

        "BUCKET_STYLE_VIRTUAL_HOSTED"
    ],
    "description": "Addressing style for requests to the bucket. BUCKET_STYLE_PATH indicates path-style addressing while BUCKET_STYLE_VIRTUAL_HOSTED indicates virtual hosted-style.:\\n * `BUCKET_STYLE_PATH` - BUCKET_STYLE_PATH,\\n * `BUCKET_STYLE_VIRTUAL_HOSTED` - BUCKET_STYLE_VIRTUAL_HOSTED"
  },
  "object_folder": {
    "description": "Folder in the object store bucket to use",
    "type": "string"
  },
  "region": {
    "description": "Region the bucket is located in",
    "type": "string"
  },
  "access_key_id": {
    "description": "Access key ID to use when communicating with the object store",
    "type": "string"
  }
}
}
}
}

```

## POST

Create a new object replication relationship. Replication will automatically start after the relationship is created.

### Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_object_create_request_v3",
  "type": "object",
  "properties": {
    "direction": {
      "type": "string",
      "enum": [
        "COPY_TO_OBJECT",
        "COPY_FROM_OBJECT"
      ],
      "description": "Whether data is to be copied to, or from, the object store:\n
* `COPY_FROM_OBJECT` - COPY_FROM_OBJECT,\n * `COPY_TO_OBJECT` - COPY_TO_OBJECT"
    },
    "local_directory_id": {
      "description": "File ID of the qumulo directory if local_directory_path is no
t provided",
      "type": "string"
    },
    "local_directory_path": {
      "description": "Path of the qumulo directory if local_directory_id is not prov
ided",
      "type": "string"
    },
    "object_store_address": {
      "description": "S3-compatible server address. For Amazon S3, use s3.<region>.a
mazonaws.com (e.g., s3.us-west-2.amazonaws.com).",
      "type": "string"
    },
    "port": {
      "description": "HTTPS port to use when communicating with the object store (de
fault: 443)",
      "type": "number"
    },
    "ca_certificate": {
      "description": "Public certificate of the certificate authority to trust for c
onnections to the object store, in PEM format (defaults to built-in trusted public C
As)",
      "type": "string"
    },
    "bucket": {
      "description": "Bucket in the object store to use for this relationship",
      "type": "string"
    },
    "bucket_style": {
      "type": "string",
      "enum": [

```

```

    "BUCKET_STYLE_PATH",
    "BUCKET_STYLE_VIRTUAL_HOSTED"
  ],
  "description": "Addressing style for requests to the bucket. Set to BUCKET_STYLE_PATH for path-style addressing or BUCKET_STYLE_VIRTUAL_HOSTED for virtual hosted-style (the default). For Amazon S3, virtual hosted-style is recommended as path-style is deprecated. Bucket names containing dots ('.') or characters that are not valid in domain names may require path-style. The object_store_address should not include the bucket name, regardless of addressing style.:\\n * `BUCKET_STYLE_PATH` - BUCKET_STYLE_PATH,\\n * `BUCKET_STYLE_VIRTUAL_HOSTED` - BUCKET_STYLE_VIRTUAL_HOSTED",
  },
  "object_folder": {
    "description": "Folder to use in the object store bucket. A slash separator is automatically used to specify a 'folder' in a bucket. For example, a folder of 'example' and a file path (relative to the directory_path) of 'dir/file' will result in key 'example/dir/file'. Use empty value '' or '/' to replicate with the root of the bucket.",
    "type": "string"
  },
  "region": {
    "description": "Region the bucket is located in",
    "type": "string"
  },
  "access_key_id": {
    "description": "Access key ID to use when communicating with the object store",
    "type": "string"
  },
  "secret_access_key": {
    "description": "Secret access key to use when communicating with the object store",
    "type": "string",
    "format": "password"
  }
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_object_relationship_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "direction": {
      "type": "string",
      "enum": [
        "COPY_TO_OBJECT",
        "COPY_FROM_OBJECT"
      ],
      "description": "The object relationship can either copy data to or from the object store:\n * `COPY_FROM_OBJECT` - COPY_FROM_OBJECT,\n * `COPY_TO_OBJECT` - COPY_TO_OBJECT"
    },
    "local_directory_id": {
      "description": "File ID of the qumulo directory",
      "type": "string"
    },
    "object_store_address": {
      "description": "S3-compatible server address",
      "type": "string"
    },
    "port": {
      "description": "HTTPS port to use when communicating with the object store",
      "type": "number"
    },
    "ca_certificate": {
      "description": "Public certificate of the certificate authority to trust for connections to the object store, in PEM format. If empty, the built-in trusted public CAs are used.",
      "type": "string"
    },
    "bucket": {
      "description": "Bucket in the object store to use",
      "type": "string"
    },
    "bucket_style": {
      "type": "string",
      "enum": [
        "BUCKET_STYLE_PATH",
        "BUCKET_STYLE_VIRTUAL_HOSTED"
      ],
    },
  }
}

```

```

    "description": "Addressing style for requests to the bucket. BUCKET_STYLE_PATH indicates path-style addressing while BUCKET_STYLE_VIRTUAL_HOSTED indicates virtual hosted-style.\n * `BUCKET_STYLE_PATH` - BUCKET_STYLE_PATH,\n * `BUCKET_STYLE_VIRTUAL_HOSTED` - BUCKET_STYLE_VIRTUAL_HOSTED"
  },
  "object_folder": {
    "description": "Folder in the object store bucket to use",
    "type": "string"
  },
  "region": {
    "description": "Region the bucket is located in",
    "type": "string"
  },
  "access_key_id": {
    "description": "Access key ID to use when communicating with the object store",
    "type": "string"
  }
}
}
}

```

# replication/object-relationships/status/

## Endpoint

`/v3/replication/object-relationships/status/`

## GET

List statuses for all existing object replication relationships.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success



# replication/object-relationships/{id}

## Endpoint

`/v3/replication/object-relationships/{id}`

## GET

Get information about the specified object replication relationship.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_object_relationship_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "direction": {
      "type": "string",
      "enum": [
        "COPY_TO_OBJECT",
        "COPY_FROM_OBJECT"
      ],
      "description": "The object relationship can either copy data to or from the object store:\n * `COPY_FROM_OBJECT` - COPY_FROM_OBJECT,\n * `COPY_TO_OBJECT` - COPY_TO_OBJECT"
    },
    "local_directory_id": {
      "description": "File ID of the qumulo directory",
      "type": "string"
    },
    "object_store_address": {
      "description": "S3-compatible server address",
      "type": "string"
    },
    "port": {
      "description": "HTTPS port to use when communicating with the object store",
      "type": "number"
    },
    "ca_certificate": {
      "description": "Public certificate of the certificate authority to trust for connections to the object store, in PEM format. If empty, the built-in trusted public CAs are used.",
      "type": "string"
    },
    "bucket": {
      "description": "Bucket in the object store to use",
      "type": "string"
    },
    "bucket_style": {
      "type": "string",
      "enum": [
        "BUCKET_STYLE_PATH",
        "BUCKET_STYLE_VIRTUAL_HOSTED"
      ],
    },
  }
}

```

```

    "description": "Addressing style for requests to the bucket. BUCKET_STYLE_PATH indicates path-style addressing while BUCKET_STYLE_VIRTUAL_HOSTED indicates virtual hosted-style.\n * `BUCKET_STYLE_PATH` - BUCKET_STYLE_PATH,\n * `BUCKET_STYLE_VIRTUAL_HOSTED` - BUCKET_STYLE_VIRTUAL_HOSTED"
  },
  "object_folder": {
    "description": "Folder in the object store bucket to use",
    "type": "string"
  },
  "region": {
    "description": "Region the bucket is located in",
    "type": "string"
  },
  "access_key_id": {
    "description": "Access key ID to use when communicating with the object store",
    "type": "string"
  }
}

```

## DELETE

Delete the specified object replication relationship, which must not be running a job.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes
<code>If-Match</code>	ETag for expected version	No

### Response

#### Codes

Code	Description
200	Return value on success

# replication/object-relationships/{id}/abort-replication

## Endpoint

`/v3/replication/object-relationships/{id}/abort-replication`

## POST

Abort any ongoing replication job for the specified object replication relationship.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# replication/object-relationships/{id}/replicate

## Endpoint

`/v3/replication/object-relationships/{id}/replicate`

## POST

Start a new replication job for the specified object relationship

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
202	Return value on success

# replication/object-relationships/{id}/status

## Endpoint

`/v3/replication/object-relationships/{id}/status`

## GET

Get the status of an existing object replication relationship.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# replication/source-relationships/

## Endpoint

`/v2/replication/source-relationships/`

## GET

List existing replication relationships where this cluster is the source.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success



## Schema

```

{
  "type": "array",
  "items": {
    "description": "api_source_relationship",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier of the replication relationship",
        "type": "string"
      },
      "target_address": {
        "description": "The target IP address",
        "type": "string"
      },
      "target_port": {
        "description": "Network port to replicate to on the target",
        "type": "number"
      },
      "source_root_id": {
        "description": "File ID of the source directory",
        "type": "string"
      },
      "source_root_read_only": {
        "description": "Whether the source directory is read-only",
        "type": "boolean"
      },
      "map_local_ids_to_nfs_ids": {
        "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is false",
        "type": "boolean"
      },
      "replication_enabled": {
        "description": "Whether automatic replication is enabled",
        "type": "boolean"
      },
      "replication_mode": {
        "type": "string",
        "enum": [
          "REPLICATION_CONTINUOUS",
          "REPLICATION_SNAPSHOT_POLICY",
          "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
        ],
        "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICAT

```

```

ION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
  },
  "blackout_window_timezone": {
    "description": "The timezone in which the blackout windows should be interpreted (e.g, America/Los_Angeles or UTC)",
    "type": "string"
  },
  "blackout_windows": {
    "type": "array",
    "items": {
      "description": "List of blackout windows for the relationship",
      "type": "object",
      "properties": {
        "start_hour": {
          "description": "Hour of day [0, 23] at which the blackout window begins",
          "type": "number"
        },
        "start_minute": {
          "description": "Minute of hour [0, 59] at which the blackout window begins",
          "type": "number"
        },
        "end_hour": {
          "description": "Hour of day [0, 23] at which the blackout window ends",
          "type": "number"
        },
        "end_minute": {
          "description": "Minute of hour [0, 59] at which the blackout window ends",
          "type": "number"
        },
        "on_days": {
          "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.",
          "type": "array",
          "items": {
            "type": "string",
            "enum": [
              "SUN",
              "MON",
              "TUE",
              "WED",
              "THU",
            ]
          }
        }
      }
    }
  }
}

```



## Parameters

This resource has no parameters.

Request  
Schema

```

{
  "description": "api_source_create_request",
  "type": "object",
  "properties": {
    "target_address": {
      "description": "The target IP address",
      "type": "string"
    },
    "target_port": {
      "description": "Network port to replicate to on the target (defaults to 3712)",
      "type": "number"
    },
    "source_root_id": {
      "description": "File ID of the source directory if source_root_path is not provided",
      "type": "string"
    },
    "source_root_path": {
      "description": "Path to the source directory if source_root_id is not provided",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only (defaults to false)",
      "type": "boolean"
    },
    "map_local_ids_to_nfs_ids": {
      "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is false (defaults to false)",
      "type": "boolean"
    },
    "target_root_path": {
      "description": "Path to the target directory",
      "type": "string"
    },
    "replication_enabled": {
      "description": "Whether to enable automatic replication (defaults to true)",
      "type": "boolean"
    },
    "replication_mode": {
      "type": "string",
      "enum": [
        "REPLICATION_CONTINUOUS",

```

```

    "REPLICATION_SNAPSHOT_POLICY",
    "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
  ],
  "description": "Whether to replicate continuously, replicate snapshots from li
nked snapshot policies, or both (defaults to continuous):\n * `REPLICATION_CONTINUOU
S` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHO
T_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_P
OLICY_WITH_CONTINUOUS"
},
"blackout_window_timezone": {
  "description": "The timezone in which the blackout windows should be interpret
ed (e.g., America/Los_Angeles or UTC)",
  "type": "string"
},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship (defaults to e
mpty)",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begin
s",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window begi
ns",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window ends",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window end
s",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication schedu
le applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be u
sed to specify all days.",
        "type": "array",
        "items": {

```



```

        "type": "string",
        "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
        ],
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.:\\n * `EVERY_DAY` - EVERY_DAY,\\n * `FRI` - FRI,\\n * `MON` - MON,\\n * `SAT` - SAT,\\n * `SUN` - SUN,\\n * `THU` - THU,\\n * `TUE` - TUE,\\n * `WED` - WED"
    }
}
},
"snapshot_policies": {
    "type": "array",
    "items": {
        "description": "List of snapshot policies linked with the relationship along with the corresponding expiration time to live for replicated target snapshots for each linked policy (defaults to empty)",
        "type": "object",
        "properties": {
            "id": {
                "description": "Unique identifier for the snapshot policy linked with the relationship",
                "type": "number"
            },
            "target_expiration": {
                "description": "Duration after which to expire snapshots on the target cluster that were replicated from this snapshot policy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1hours. 'never' indicates snapshots should never expire and 'same_as_policy' indicates snapshots should expire at the same time as the snapshot policy specifies.",
                "type": "string"
            }
        }
    }
}
}

```

```
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_source_relationship",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "target_address": {
      "description": "The target IP address",
      "type": "string"
    },
    "target_port": {
      "description": "Network port to replicate to on the target",
      "type": "number"
    },
    "source_root_id": {
      "description": "File ID of the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "map_local_ids_to_nfs_ids": {
      "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is false",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Whether automatic replication is enabled",
      "type": "boolean"
    },
    "replication_mode": {
      "type": "string",
      "enum": [
        "REPLICATION_CONTINUOUS",
        "REPLICATION_SNAPSHOT_POLICY",
        "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
      ],
      "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
    },
  },
}

```

```

"blackout_window_timezone": {
  "description": "The timezone in which the blackout windows should be interpreted (e.g, America/Los_Angeles or UTC)",
  "type": "string"
},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begins",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window begins",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window ends",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window ends",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
          ]
        }
      }
    }
  }
}

```



# replication/source-relationships/reverse-target-relationship

## Endpoint

`/v2/replication/source-relationships/reverse-target-relationship`

## POST

Reverse source and target for the specified replication relationship. This operation is initiated on the target cluster. The previous target directory will be made the new source, and the previous source directory will be made the new target. Any relationship configurations on the source will be retained, and any configurations on the target that have been retained from a previous reversal will be reapplied. To resume replication after reversal, edit any relationship configurations if desired and reconnect the relationship from the new target cluster.

## Parameters

This resource has no parameters.

## Request

## Schema

```
{
  "description": "api_reverse_request",
  "type": "object",
  "properties": {
    "target_relationship_id": {
      "description": "The identifier of the target relationship to reverse",
      "type": "string"
    },
    "source_address": {
      "description": "The IP address of the source cluster",
      "type": "string"
    },
    "source_port": {
      "description": "Network port of the source cluster (defaults to 3712)",
      "type": "number"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success



## Schema

```

{
  "description": "api_source_relationship",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "target_address": {
      "description": "The target IP address",
      "type": "string"
    },
    "target_port": {
      "description": "Network port to replicate to on the target",
      "type": "number"
    },
    "source_root_id": {
      "description": "File ID of the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "map_local_ids_to_nfs_ids": {
      "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is false",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Whether automatic replication is enabled",
      "type": "boolean"
    },
    "replication_mode": {
      "type": "string",
      "enum": [
        "REPLICATION_CONTINUOUS",
        "REPLICATION_SNAPSHOT_POLICY",
        "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
      ],
      "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
    },
  },
}

```

```

"blackout_window_timezone": {
  "description": "The timezone in which the blackout windows should be interpreted (e.g, America/Los_Angeles or UTC)",
  "type": "string"
},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begins",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window begins",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window ends",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window ends",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
          ]
        }
      }
    }
  }
}

```



# replication/source-relationships/status/

## Endpoint

`/v2/replication/source-relationships/status/`

## GET

List statuses for all existing replication relationships where this cluster is the source.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```

{
  "type": "array",
  "items": {
    "description": "api_source_relationship_status",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier of the replication relationship",
        "type": "string"
      },
      "target_address": {
        "description": "The target IP address",
        "type": "string"
      },
      "target_port": {
        "description": "Network port to replicate to on the target",
        "type": "number"
      },
      "source_root_read_only": {
        "description": "Whether the source directory is read-only",
        "type": "boolean"
      },
      "map_local_ids_to_nfs_ids": {
        "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is False.",
        "type": "boolean"
      },
      "replication_enabled": {
        "description": "Whether automatic replication is enabled",
        "type": "boolean"
      },
      "replication_mode": {
        "type": "string",
        "enum": [
          "REPLICATION_CONTINUOUS",
          "REPLICATION_SNAPSHOT_POLICY",
          "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
        ],
        "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
      },
      "blackout_window_timezone": {
        "description": "The timezone in which the blackout windows should be interpreted"
      }
    }
  }
}

```

```

eted (e.g, America/Los_Angeles or UTC)",
  "type": "string"
},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begin
s",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window be
gins",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window end
s",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window en
ds",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication sche
dule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can b
e used to specify all days.",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
          ]
        }
      }
    }
  }
}

```



```

        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.:\\n * `EVERY_DAY` - EVERY_DAY,\\n * `FRI` - FRI,\\n * `MON` - MON,\\n * `SAT` - SAT,\\n * `SUN` - SUN,\\n * `THU` - THU,\\n * `TUE` - TUE,\\n * `WED` - WED"
    }
}
},
"snapshot_policies": {
    "type": "array",
    "items": {
        "description": "List of snapshot policies linked with the relationship along with the corresponding expiration time of the replicated snapshots on the target for each linked policy",
        "type": "object",
        "properties": {
            "id": {
                "description": "Unique identifier for the snapshot policy linked with the relationship",
                "type": "number"
            },
            "target_expiration": {
                "description": "Duration after which to expire snapshots on the target cluster that were replicated from this snapshot policy, in format <quantity><unit s>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1hours. 'never' indicates snapshots should never expire and 'same_as_policy' indicates snapshots should expire at the same time as the snapshot policy specifies.",
                "type": "string"
            }
        }
    }
},
"state": {
    "type": "string",
    "enum": [
        "AWAITING_AUTHORIZATION",
        "DISCONNECTED",
        "DISCONNECTING",
        "ENDED",
        "ESTABLISHED",
        "RECONNECTING",
        "REESTABLISHING"
    ]
},

```

```

    "description": "Current state of replication relationship:\n * `AWAITING_AUT
HORIZATION` - AWAITING_AUTHORIZATION,\n * `DISCONNECTED` - DISCONNECTED,\n * `DISCON
NECTING` - DISCONNECTING,\n * `ENDED` - ENDED,\n * `ESTABLISHED` - ESTABLISHED,\n *
`RECONNECTING` - RECONNECTING,\n * `REESTABLISHING` - REESTABLISHING"
  },
  "end_reason": {
    "description": "If the relationship has ENDED, this states the reason. Other
wise, this field is empty",
    "type": "string"
  },
  "source_cluster_name": {
    "description": "Name of the source cluster",
    "type": "string"
  },
  "source_cluster_uuid": {
    "description": "UUID of the source cluster",
    "type": "string"
  },
  "source_root_path": {
    "description": "Path to the source directory",
    "type": "string"
  },
  "target_cluster_name": {
    "description": "Name of the target cluster",
    "type": "string"
  },
  "target_cluster_uuid": {
    "description": "UUID of the target cluster",
    "type": "string"
  },
  "target_root_path": {
    "description": "Path to the target directory",
    "type": "string"
  },
  "target_root_read_only": {
    "description": "Whether the target directory is read-only",
    "type": "boolean"
  },
  "job_state": {
    "type": "string",
    "enum": [
      "REPLICATION_NOT_RUNNING",
      "REPLICATION_RUNNING"
    ],
    "description": "Current state of the job:\n * `REPLICATION_NOT_RUNNING` - RE
PLICATION_NOT_RUNNING,\n * `REPLICATION_RUNNING` - REPLICATION_RUNNING"
  }
}

```

```

    },
    "job_start_time": {
      "description": "If the job state is REPLICATION_RUNNING, this is the time th
at the job started, encoded as RFC 3339",
      "type": "string"
    },
    "recovery_point": {
      "description": "The time that the last successful job started, encoded as RF
C 3339",
      "type": "string"
    },
    "error_from_last_job": {
      "description": "The error message from the previous job. If the previous jo
b succeeded or no job has ever run, this field will be empty",
      "type": "string"
    },
    "duration_of_last_job": {
      "description": "The elapsed execution time of the previous job, in nanosecon
ds. If no job has ever run, this field will be null.",
      "type": "object",
      "properties": {
        "nanoseconds": {
          "description": "nanoseconds",
          "type": "string"
        }
      }
    },
    "source_root_id": {
      "description": "File ID of the source directory",
      "type": "string"
    },
    "next_active_time": {
      "description": "The time when the current blackout period ends (in UTC). If
replication is currently enabled and not in a blackout period, this field will be em
pty",
      "type": "string"
    },
    "replication_job_status": {
      "description": "Information about the progress of a job. This field is null
if there is no job status available.",
      "type": "object",
      "properties": {
        "percent_complete": {
          "description": "Percent of way through the job, computed from a weightin
g of data and files processed",
          "type": "number"
        }
      }
    }
  }

```

```

    },
    "estimated_seconds_remaining": {
      "description": "Estimated number of seconds remaining in the job, derived from percent_complete. This may be null if there is no estimate.",
      "type": "string"
    },
    "bytes_transferred": {
      "description": "Number of bytes copied",
      "type": "string"
    },
    "bytes_unchanged": {
      "description": "Number of bytes not copied because they didn't change",
      "type": "string"
    },
    "bytes_remaining": {
      "description": "Number of bytes left to be processed in order to complete this job",
      "type": "string"
    },
    "bytes_deleted": {
      "description": "Number of bytes deleted",
      "type": "string"
    },
    "bytes_total": {
      "description": "Total number of bytes that will be processed during this job (this will be close but not exact)",
      "type": "string"
    },
    "files_transferred": {
      "description": "Number of files copied",
      "type": "string"
    },
    "files_unchanged": {
      "description": "Number of files not copied because they didn't change",
      "type": "string"
    },
    "files_remaining": {
      "description": "Number of files left to be processed in order to complete this job",
      "type": "string"
    },
    "files_deleted": {
      "description": "Number of files deleted",
      "type": "string"
    },
    "files_total": {

```

```

    "description": "Total number of files that will be processed during this job (this will be close but not exact)",
    "type": "string"
  },
  "throughput_overall": {
    "description": "Overall average throughput in bytes per second of data copied since the beginning of the job",
    "type": "string"
  },
  "throughput_current": {
    "description": "Average throughput in bytes per second of data copied in the last one minute",
    "type": "string"
  }
},
"queued_snapshot_count": {
  "description": "The number of snapshots from linked snapshot policies awaiting replication by this relationship",
  "type": "number"
},
"recovery_point_snapshot": {
  "description": "The snapshot replicated by the last successful job. This field is null if no job has ever run successfully.",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {

```

```

    "description": "Source directory of the snapshot",
    "type": "string"
  },
  "created_by_policy": {
    "description": "This snapshot was created by a policy. The name of that
policy will be stored in the name field in place of a user-defined name.",
    "type": "boolean"
  },
  "expiration": {
    "description": "Time at which snapshot will be expired. Empty string if
no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 860
1. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
    "type": "string"
  },
  "in_delete": {
    "description": "Whether or not the snapshot is in the process of being d
eleted",
    "type": "boolean"
  }
}
},
"replicating_snapshot": {
  "description": "The snapshot that is being replicated by the current job. Th
is field is null if no job is in progress.",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 333
9, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.t
xt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapsh
ot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {

```

```
    "description": "Source directory of the snapshot",
    "type": "string"
  },
  "created_by_policy": {
    "description": "This snapshot was created by a policy. The name of that
policy will be stored in the name field in place of a user-defined name.",
    "type": "boolean"
  },
  "expiration": {
    "description": "Time at which snapshot will be expired. Empty string if
no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 860
1. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
    "type": "string"
  },
  "in_delete": {
    "description": "Whether or not the snapshot is in the process of being d
eleted",
    "type": "boolean"
  }
}
}
}
}
}
```

# replication/source-relationships/{id}

## Endpoint

`/v2/replication/source-relationships/{id}`

## GET

Get information about the specified replication relationship where this cluster is the source.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_source_relationship",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "target_address": {
      "description": "The target IP address",
      "type": "string"
    },
    "target_port": {
      "description": "Network port to replicate to on the target",
      "type": "number"
    },
    "source_root_id": {
      "description": "File ID of the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "map_local_ids_to_nfs_ids": {
      "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is false",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Whether automatic replication is enabled",
      "type": "boolean"
    },
    "replication_mode": {
      "type": "string",
      "enum": [
        "REPLICATION_CONTINUOUS",
        "REPLICATION_SNAPSHOT_POLICY",
        "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
      ],
      "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
    },
  },
}

```

```

"blackout_window_timezone": {
  "description": "The timezone in which the blackout windows should be interpreted (e.g, America/Los_Angeles or UTC)",
  "type": "string"
},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begins",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window begins",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window ends",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window ends",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
          ]
        }
      }
    }
  }
}

```



<b>id</b>	Relationship identifier	Yes
<b>If-Match</b>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_source_relationship",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "target_address": {
      "description": "The target IP address",
      "type": "string"
    },
    "target_port": {
      "description": "Network port to replicate to on the target",
      "type": "number"
    },
    "source_root_id": {
      "description": "File ID of the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "map_local_ids_to_nfs_ids": {
      "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is false",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Whether automatic replication is enabled",
      "type": "boolean"
    },
    "replication_mode": {
      "type": "string",
      "enum": [
        "REPLICATION_CONTINUOUS",
        "REPLICATION_SNAPSHOT_POLICY",
        "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
      ],
      "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
    },
  },
}

```

```

"blackout_window_timezone": {
  "description": "The timezone in which the blackout windows should be interpreted (e.g, America/Los_Angeles or UTC)",
  "type": "string"
},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begins",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window begins",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window ends",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window ends",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
          ]
        }
      }
    }
  }
}

```





Schema

```

{
  "description": "api_source_relationship",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "target_address": {
      "description": "The target IP address",
      "type": "string"
    },
    "target_port": {
      "description": "Network port to replicate to on the target",
      "type": "number"
    },
    "source_root_id": {
      "description": "File ID of the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "map_local_ids_to_nfs_ids": {
      "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is false",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Whether automatic replication is enabled",
      "type": "boolean"
    },
    "replication_mode": {
      "type": "string",
      "enum": [
        "REPLICATION_CONTINUOUS",
        "REPLICATION_SNAPSHOT_POLICY",
        "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
      ],
      "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
    },
  },
}

```

```

"blackout_window_timezone": {
  "description": "The timezone in which the blackout windows should be interpreted (e.g, America/Los_Angeles or UTC)",
  "type": "string"
},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begins",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window begins",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window ends",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window ends",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
          ]
        }
      }
    }
  }
}

```



<b>id</b>	Relationship identifier	Yes
<b>If-Match</b>	ETag for expected version	No

## Response

### Codes

Code	Description
200	Return value on success

## PATCH

Modify a subset of fields of an existing replication relationship where this cluster is the source.

### Parameters

Name	Description	Required
<b>id</b>	Relationship identifier	Yes
<b>If-Match</b>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_source_relationship",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "target_address": {
      "description": "The target IP address",
      "type": "string"
    },
    "target_port": {
      "description": "Network port to replicate to on the target",
      "type": "number"
    },
    "source_root_id": {
      "description": "File ID of the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "map_local_ids_to_nfs_ids": {
      "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is false",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Whether automatic replication is enabled",
      "type": "boolean"
    },
    "replication_mode": {
      "type": "string",
      "enum": [
        "REPLICATION_CONTINUOUS",
        "REPLICATION_SNAPSHOT_POLICY",
        "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
      ],
      "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
    },
  },
}

```



```

"blackout_window_timezone": {
  "description": "The timezone in which the blackout windows should be interpreted (e.g, America/Los_Angeles or UTC)",
  "type": "string"
},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begins",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window begins",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window ends",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window ends",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
          ]
        }
      }
    }
  }
}

```



Schema

```

{
  "description": "api_source_relationship",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "target_address": {
      "description": "The target IP address",
      "type": "string"
    },
    "target_port": {
      "description": "Network port to replicate to on the target",
      "type": "number"
    },
    "source_root_id": {
      "description": "File ID of the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "map_local_ids_to_nfs_ids": {
      "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is false",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Whether automatic replication is enabled",
      "type": "boolean"
    },
    "replication_mode": {
      "type": "string",
      "enum": [
        "REPLICATION_CONTINUOUS",
        "REPLICATION_SNAPSHOT_POLICY",
        "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
      ],
      "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
    },
  },
}

```

```

"blackout_window_timezone": {
  "description": "The timezone in which the blackout windows should be interpreted (e.g, America/Los_Angeles or UTC)",
  "type": "string"
},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begins",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window begins",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window ends",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window ends",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
          ]
        }
      }
    }
  }
}

```



# replication/source-relationships/{id}/abort-replication

## Endpoint

`/v2/replication/source-relationships/{id}/abort-replication`

## POST

Abort any ongoing replication work for the specified replication relationship where this cluster is the source.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes
<code>skip-active-policy-snapshot</code>	If set to true and the currently replicating snapshot was created by a policy, the next replication job will use the next queued snapshot instead of retrying the current one. Defaults to false if not specified.	No

### Response

#### Codes

Code	Description
200	Return value on success

# replication/source-relationships/{id}/dismiss-error

## Endpoint

`/v2/replication/source-relationships/{id}/dismiss-error`

## POST

Clear the error associated with this source relationship's last replication attempt, if one exists.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success



# replication/source-relationships/{id}/queued-snapshots/

## Endpoint

`/v2/replication/source-relationships/{id}/queued-snapshots/`

## GET

List information for all snapshots awaiting replication by the specified relationship.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_queued_replication_snapshots",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of information of snapshots awaiting replication",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique identifier of the snapshot",
            "type": "number"
          },
          "name": {
            "description": "Name of the snapshot",
            "type": "string"
          },
          "timestamp": {
            "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
            "type": "string"
          },
          "directory_name": {
            "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
            "type": "string"
          },
          "source_file_id": {
            "description": "Source directory of the snapshot",
            "type": "string"
          },
          "created_by_policy": {
            "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
            "type": "boolean"
          },
          "in_delete": {
            "description": "Whether or not the snapshot is in the process of being deleted",
            "type": "boolean"
          },
          "expiration": {
            "description": "Time at which snapshot will be expired on the source cluster. Empty string if no expiration time set. Encoded as RFC 3339, which is a normal

```



# replication/source-relationships/{id}/replicate

## Endpoint

`/v2/replication/source-relationships/{id}/replicate`

## POST

Replicate from the source to the target of the specified replication relationship where this cluster is the source.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
202	Return value on success

# replication/source-relationships/{id}/status

## Endpoint

`/v2/replication/source-relationships/{id}/status`

## GET

Get current status of the specified replication relationship where this cluster is the source.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_source_relationship_status",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "target_address": {
      "description": "The target IP address",
      "type": "string"
    },
    "target_port": {
      "description": "Network port to replicate to on the target",
      "type": "number"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "map_local_ids_to_nfs_ids": {
      "description": "Whether to map local user/group identities to their associated NFS UID/GID when replicating them to the target cluster. Replication of local identities fails if this option is False.",
      "type": "boolean"
    },
    "replication_enabled": {
      "description": "Whether automatic replication is enabled",
      "type": "boolean"
    },
    "replication_mode": {
      "type": "string",
      "enum": [
        "REPLICATION_CONTINUOUS",
        "REPLICATION_SNAPSHOT_POLICY",
        "REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
      ],
      "description": "Whether to replicate continuously, replicate snapshots from linked snapshot policies, or both:\n * `REPLICATION_CONTINUOUS` - REPLICATION_CONTINUOUS,\n * `REPLICATION_SNAPSHOT_POLICY` - REPLICATION_SNAPSHOT_POLICY,\n * `REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS` - REPLICATION_SNAPSHOT_POLICY_WITH_CONTINUOUS"
    },
    "blackout_window_timezone": {
      "description": "The timezone in which the blackout windows should be interpreted (e.g, America/Los_Angeles or UTC)",
      "type": "string"
    }
  }
}

```



```

},
"blackout_windows": {
  "type": "array",
  "items": {
    "description": "List of blackout windows for the relationship",
    "type": "object",
    "properties": {
      "start_hour": {
        "description": "Hour of day [0, 23] at which the blackout window begins",
        "type": "number"
      },
      "start_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window begins",
        "type": "number"
      },
      "end_hour": {
        "description": "Hour of day [0, 23] at which the blackout window ends",
        "type": "number"
      },
      "end_minute": {
        "description": "Minute of hour [0, 59] at which the blackout window ends",
        "type": "number"
      },
      "on_days": {
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.",
        "type": "array",
        "items": {
          "type": "string",
          "enum": [
            "SUN",
            "MON",
            "TUE",
            "WED",
            "THU",
            "FRI",
            "SAT",
            "EVERY_DAY"
          ]
        },
        "description": "List of days of the week on which the replication schedule applies. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days.:\\n * `EVERY_DAY` - EVERY_DAY,\\n * `FRI` - FRI,\\n * `MO

```

```

N` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `W
ED` - WED"
    }
  }
}
},
"snapshot_policies": {
  "type": "array",
  "items": {
    "description": "List of snapshot policies linked with the relationship along with the corresponding expiration time of the replicated snapshots on the target for each linked policy",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier for the snapshot policy linked with the relationship",
        "type": "number"
      },
      "target_expiration": {
        "description": "Duration after which to expire snapshots on the target cluster that were replicated from this snapshot policy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1hours. 'never' indicates snapshots should never expire and 'same_as_policy' indicates snapshots should expire at the same time as the snapshot policy specifies.",
        "type": "string"
      }
    }
  }
},
"state": {
  "type": "string",
  "enum": [
    "AWAITING_AUTHORIZATION",
    "DISCONNECTED",
    "DISCONNECTING",
    "ENDED",
    "ESTABLISHED",
    "RECONNECTING",
    "REESTABLISHING"
  ],
  "description": "Current state of replication relationship:\n * `AWAITING_AUTHORIZATION` - AWAITING_AUTHORIZATION,\n * `DISCONNECTED` - DISCONNECTED,\n * `DISCONNECTING` - DISCONNECTING,\n * `ENDED` - ENDED,\n * `ESTABLISHED` - ESTABLISHED,\n * `R

```

```

ECONNECTING` - RECONNECTING,\n * `REESTABLISHING` - REESTABLISHING"
  },
  "end_reason": {
    "description": "If the relationship has ENDED, this states the reason. Otherwi
se, this field is empty",
    "type": "string"
  },
  "source_cluster_name": {
    "description": "Name of the source cluster",
    "type": "string"
  },
  "source_cluster_uuid": {
    "description": "UUID of the source cluster",
    "type": "string"
  },
  "source_root_path": {
    "description": "Path to the source directory",
    "type": "string"
  },
  "target_cluster_name": {
    "description": "Name of the target cluster",
    "type": "string"
  },
  "target_cluster_uuid": {
    "description": "UUID of the target cluster",
    "type": "string"
  },
  "target_root_path": {
    "description": "Path to the target directory",
    "type": "string"
  },
  "target_root_read_only": {
    "description": "Whether the target directory is read-only",
    "type": "boolean"
  },
  "job_state": {
    "type": "string",
    "enum": [
      "REPLICATION_NOT_RUNNING",
      "REPLICATION_RUNNING"
    ],
    "description": "Current state of the job:\n * `REPLICATION_NOT_RUNNING` - REPL
ICATION_NOT_RUNNING,\n * `REPLICATION_RUNNING` - REPLICATION_RUNNING"
  },
  "job_start_time": {
    "description": "If the job state is REPLICATION_RUNNING, this is the time tha

```

```

t the job started, encoded as RFC 3339",
  "type": "string"
},
"recovery_point": {
  "description": "The time that the last successful job started, encoded as RFC
3339",
  "type": "string"
},
"error_from_last_job": {
  "description": "The error message from the previous job. If the previous job s
ucceeded or no job has ever run, this field will be empty",
  "type": "string"
},
"duration_of_last_job": {
  "description": "The elapsed execution time of the previous job, in nanosecond
s. If no job has ever run, this field will be null.",
  "type": "object",
  "properties": {
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  }
},
"source_root_id": {
  "description": "File ID of the source directory",
  "type": "string"
},
"next_active_time": {
  "description": "The time when the current blackout period ends (in UTC). If re
plication is currently enabled and not in a blackout period, this field will be empt
y",
  "type": "string"
},
"replication_job_status": {
  "description": "Information about the progress of a job. This field is null i
f there is no job status available.",
  "type": "object",
  "properties": {
    "percent_complete": {
      "description": "Percent of way through the job, computed from a weighting
of data and files processed",
      "type": "number"
    },
    "estimated_seconds_remaining": {
      "description": "Estimated number of seconds remaining in the job, derived

```

```

from percent_complete. This may be null if there is no estimate.",
    "type": "string"
},
"bytes_transferred": {
    "description": "Number of bytes copied",
    "type": "string"
},
"bytes_unchanged": {
    "description": "Number of bytes not copied because they didn't change",
    "type": "string"
},
"bytes_remaining": {
    "description": "Number of bytes left to be processed in order to complete
this job",
    "type": "string"
},
"bytes_deleted": {
    "description": "Number of bytes deleted",
    "type": "string"
},
"bytes_total": {
    "description": "Total number of bytes that will be processed during this j
ob (this will be close but not exact)",
    "type": "string"
},
"files_transferred": {
    "description": "Number of files copied",
    "type": "string"
},
"files_unchanged": {
    "description": "Number of files not copied because they didn't change",
    "type": "string"
},
"files_remaining": {
    "description": "Number of files left to be processed in order to complete
this job",
    "type": "string"
},
"files_deleted": {
    "description": "Number of files deleted",
    "type": "string"
},
"files_total": {
    "description": "Total number of files that will be processed during this j
ob (this will be close but not exact)",
    "type": "string"
}

```

```

    },
    "throughput_overall": {
      "description": "Overall average throughput in bytes per second of data copied since the beginning of the job",
      "type": "string"
    },
    "throughput_current": {
      "description": "Average throughput in bytes per second of data copied in the last one minute",
      "type": "string"
    }
  }
},
"queued_snapshot_count": {
  "description": "The number of snapshots from linked snapshot policies awaiting replication by this relationship",
  "type": "number"
},
"recovery_point_snapshot": {
  "description": "The snapshot replicated by the last successful job. This field is null if no job has ever run successfully.",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {
      "description": "Source directory of the snapshot",
      "type": "string"
    }
  }
},

```

```

    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "in_delete": {
      "description": "Whether or not the snapshot is in the process of being deleted",
      "type": "boolean"
    }
  },
  "replicating_snapshot": {
    "description": "The snapshot that is being replicated by the current job. This field is null if no job is in progress.",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier of the snapshot",
        "type": "number"
      },
      "name": {
        "description": "Name of the snapshot",
        "type": "string"
      },
      "timestamp": {
        "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
        "type": "string"
      },
      "directory_name": {
        "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
        "type": "string"
      },
      "source_file_id": {
        "description": "Source directory of the snapshot",
        "type": "string"
      }
    }
  },

```

```
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that po
      licy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if n
      o expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 860
      1. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "in_delete": {
      "description": "Whether or not the snapshot is in the process of being del
      eted",
      "type": "boolean"
    }
  }
}
```



# replication/source-relationships/{relationship\_id}/queued-snapshots/{snapshot\_id}

## Endpoint

`/v2/replication/source-relationships/{relationship_id}/queued-snapshots/{snapshot_id}`

## DELETE

Release a snapshot queued for replication from the queue of the specified source replication relationship. This action will permanently remove the snapshot from the relationship's replication queue, but not delete the snapshot from the cluster.

### Parameters

Name	Description	Required
<code>relationship_id</code>	Relationship identifier	Yes
<code>snapshot_id</code>	Snapshot identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# replication/target-relationships/status/

## Endpoint

`/v2/replication/target-relationships/status/`

## GET

List statuses for all existing replication relationships where this cluster is the target.

## Parameters

This resource has no parameters.

## Response

## Codes

Code	Description
200	Return value on success

Schema

```

{
  "type": "array",
  "items": {
    "description": "api_target_relationship_status",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier of the replication relationship",
        "type": "string"
      },
      "state": {
        "type": "string",
        "enum": [
          "AWAITING_AUTHORIZATION",
          "DISCONNECTED",
          "DISCONNECTING",
          "ENDED",
          "ESTABLISHED",
          "RECONNECTING",
          "REESTABLISHING"
        ],
        "description": "Current state of replication relationship:\n * `AWAITING_AUTHORIZATION` - AWAITING_AUTHORIZATION,\n * `DISCONNECTED` - DISCONNECTED,\n * `DISCONNECTING` - DISCONNECTING,\n * `ENDED` - ENDED,\n * `ESTABLISHED` - ESTABLISHED,\n * `RECONNECTING` - RECONNECTING,\n * `REESTABLISHING` - REESTABLISHING"
      },
      "end_reason": {
        "description": "If the relationship has ENDED, this states the reason. Otherwise, this field is empty",
        "type": "string"
      },
      "source_cluster_name": {
        "description": "Name of the source cluster",
        "type": "string"
      },
      "source_cluster_uuid": {
        "description": "UUID of the source cluster",
        "type": "string"
      },
      "source_root_path": {
        "description": "Path to the source directory",
        "type": "string"
      },
      "source_root_read_only": {
        "description": "Whether the source directory is read-only",
        "type": "boolean"
      }
    }
  }
}

```

```

},
"source_address": {
  "description": "The previously connected source IP address",
  "type": "string"
},
"source_port": {
  "description": "Network port previously used to replicate to on the source",
  "type": "number"
},
"target_cluster_name": {
  "description": "Name of the target cluster",
  "type": "string"
},
"target_cluster_uuid": {
  "description": "UUID of the target cluster",
  "type": "string"
},
"target_root_path": {
  "description": "Path to the target directory",
  "type": "string"
},
"target_root_read_only": {
  "description": "Whether the target directory is read-only",
  "type": "boolean"
},
"job_state": {
  "type": "string",
  "enum": [
    "REPLICATION_NOT_RUNNING",
    "REPLICATION_RUNNING"
  ],
  "description": "Current state of the job:\n * `REPLICATION_NOT_RUNNING` - REPLICATION_NOT_RUNNING,\n * `REPLICATION_RUNNING` - REPLICATION_RUNNING"
},
"job_start_time": {
  "description": "If the job state is REPLICATION_RUNNING, this is the time th at the job started, encoded as RFC 3339",
  "type": "string"
},
"recovery_point": {
  "description": "The time that the last successful job started, encoded as RFC 3339",
  "type": "string"
},
"error_from_last_job": {
  "description": "The error message from the previous job. If the previous jo

```

```

b succeeded or no job has ever run, this field will be empty",
  "type": "string"
},
"duration_of_last_job": {
  "description": "The elapsed execution time of the previous job, in nanoseconds. If no job has ever run, this field will be null.",
  "type": "object",
  "properties": {
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  }
},
"target_root_id": {
  "description": "File ID of the target directory",
  "type": "string"
},
"replication_enabled": {
  "description": "Whether automatic replication is enabled",
  "type": "boolean"
},
"replication_job_status": {
  "description": "Information about the progress of a job. This field is null if there is no job status available.",
  "type": "object",
  "properties": {
    "percent_complete": {
      "description": "Percent of way through the job, computed from a weighting of data and files processed",
      "type": "number"
    },
    "estimated_seconds_remaining": {
      "description": "Estimated number of seconds remaining in the job, derived from percent_complete. This may be null if there is no estimate.",
      "type": "string"
    },
    "bytes_transferred": {
      "description": "Number of bytes copied",
      "type": "string"
    },
    "bytes_unchanged": {
      "description": "Number of bytes not copied because they didn't change",
      "type": "string"
    },
    "bytes_remaining": {

```

```

        "description": "Number of bytes left to be processed in order to complete this job",
        "type": "string"
    },
    "bytes_deleted": {
        "description": "Number of bytes deleted",
        "type": "string"
    },
    "bytes_total": {
        "description": "Total number of bytes that will be processed during this job (this will be close but not exact)",
        "type": "string"
    },
    "files_transferred": {
        "description": "Number of files copied",
        "type": "string"
    },
    "files_unchanged": {
        "description": "Number of files not copied because they didn't change",
        "type": "string"
    },
    "files_remaining": {
        "description": "Number of files left to be processed in order to complete this job",
        "type": "string"
    },
    "files_deleted": {
        "description": "Number of files deleted",
        "type": "string"
    },
    "files_total": {
        "description": "Total number of files that will be processed during this job (this will be close but not exact)",
        "type": "string"
    },
    "throughput_overall": {
        "description": "Overall average throughput in bytes per second of data copied since the beginning of the job",
        "type": "string"
    },
    "throughput_current": {
        "description": "Average throughput in bytes per second of data copied in the last one minute",
        "type": "string"
    }
}

```

```

},
"recovery_point_snapshot": {
  "description": "The snapshot that the last successful job replicated. If no
replication job has ever run successfully, this field is set to null.",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 333
9, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.t
xt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapsh
ot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that
policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if
no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 860
1. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "in_delete": {
      "description": "Whether or not the snapshot is in the process of being d
eleted",
      "type": "boolean"
    }
  }
}

```



```

    },
    "lock_key": {
        "description": "The key that locks the policy-created snapshots for the specified target replication relationship. If set to null, the system does not lock the snapshots that the specified target replication relationship creates. Only snapshots created by a policy will be locked. Unless you configure an expiration on the snapshot policy on the target cluster, the system does not lock snapshots. If you reverse the relationship (switch the source and the target), the new target does not use this lock key. To enable snapshot locking, you must configure the new target separately. However, if you revert the reversed relationship (return the source and target to their original assignments), the system preserves the original target replication relationship lock key. Unless you reverse the relationship, you cannot disable or delete a lock key while a target replication relationship uses the key. If you disable or delete a lock key while the relationship is reversed and you then revert the reversal, the original source-target relationship has no lock key until you configure a new one.",
        "type": "string"
    }
}
}
}
}

```

# replication/target-relationships/{id}/authorize

## Endpoint

`/v2/replication/target-relationships/{id}/authorize`

## POST

Authorize the specified replication relationship, establishing this cluster as the target of replication.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes
<code>allow-non-empty-directory</code>	Specifies whether the replication relationship may be authorized when the target directory is not empty. If set to true, existing data in the target directory that does not match the source directory will be overwritten or deleted. Defaults to false if not specified.	No
<code>allow-fs-path-create</code>	Specifies whether the target directory may be created with inherited permissions if the directory does not already exist. Defaults to false if not specified.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_target_relationship_status",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "state": {
      "type": "string",
      "enum": [
        "AWAITING_AUTHORIZATION",
        "DISCONNECTED",
        "DISCONNECTING",
        "ENDED",
        "ESTABLISHED",
        "RECONNECTING",
        "REESTABLISHING"
      ],
      "description": "Current state of replication relationship:\n * `AWAITING_AUTHO  
RIZATION` - AWAITING_AUTHORIZATION,\n * `DISCONNECTED` - DISCONNECTED,\n * `DISCONNE  
CTING` - DISCONNECTING,\n * `ENDED` - ENDED,\n * `ESTABLISHED` - ESTABLISHED,\n * `R  
ECONNECTING` - RECONNECTING,\n * `REESTABLISHING` - REESTABLISHING"
    },
    "end_reason": {
      "description": "If the relationship has ENDED, this states the reason. Otherwi  
se, this field is empty",
      "type": "string"
    },
    "source_cluster_name": {
      "description": "Name of the source cluster",
      "type": "string"
    },
    "source_cluster_uuid": {
      "description": "UUID of the source cluster",
      "type": "string"
    },
    "source_root_path": {
      "description": "Path to the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "source_address": {

```

```

    "description": "The previously connected source IP address",
    "type": "string"
  },
  "source_port": {
    "description": "Network port previously used to replicate to on the source",
    "type": "number"
  },
  "target_cluster_name": {
    "description": "Name of the target cluster",
    "type": "string"
  },
  "target_cluster_uuid": {
    "description": "UUID of the target cluster",
    "type": "string"
  },
  "target_root_path": {
    "description": "Path to the target directory",
    "type": "string"
  },
  "target_root_read_only": {
    "description": "Whether the target directory is read-only",
    "type": "boolean"
  },
  "job_state": {
    "type": "string",
    "enum": [
      "REPLICATION_NOT_RUNNING",
      "REPLICATION_RUNNING"
    ],
    "description": "Current state of the job:\n * `REPLICATION_NOT_RUNNING` - REPLICATION_NOT_RUNNING,\n * `REPLICATION_RUNNING` - REPLICATION_RUNNING"
  },
  "job_start_time": {
    "description": "If the job state is REPLICATION_RUNNING, this is the time that the job started, encoded as RFC 3339",
    "type": "string"
  },
  "recovery_point": {
    "description": "The time that the last successful job started, encoded as RFC 3339",
    "type": "string"
  },
  "error_from_last_job": {
    "description": "The error message from the previous job. If the previous job succeeded or no job has ever run, this field will be empty",
    "type": "string"
  }
}

```

```

},
"duration_of_last_job": {
  "description": "The elapsed execution time of the previous job, in nanoseconds. If no job has ever run, this field will be null.",
  "type": "object",
  "properties": {
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  }
},
"target_root_id": {
  "description": "File ID of the target directory",
  "type": "string"
},
"replication_enabled": {
  "description": "Whether automatic replication is enabled",
  "type": "boolean"
},
"replication_job_status": {
  "description": "Information about the progress of a job. This field is null if there is no job status available.",
  "type": "object",
  "properties": {
    "percent_complete": {
      "description": "Percent of way through the job, computed from a weighting of data and files processed",
      "type": "number"
    },
    "estimated_seconds_remaining": {
      "description": "Estimated number of seconds remaining in the job, derived from percent_complete. This may be null if there is no estimate.",
      "type": "string"
    },
    "bytes_transferred": {
      "description": "Number of bytes copied",
      "type": "string"
    },
    "bytes_unchanged": {
      "description": "Number of bytes not copied because they didn't change",
      "type": "string"
    },
    "bytes_remaining": {
      "description": "Number of bytes left to be processed in order to complete this job",

```

```

    "type": "string"
  },
  "bytes_deleted": {
    "description": "Number of bytes deleted",
    "type": "string"
  },
  "bytes_total": {
    "description": "Total number of bytes that will be processed during this job (this will be close but not exact)",
    "type": "string"
  },
  "files_transferred": {
    "description": "Number of files copied",
    "type": "string"
  },
  "files_unchanged": {
    "description": "Number of files not copied because they didn't change",
    "type": "string"
  },
  "files_remaining": {
    "description": "Number of files left to be processed in order to complete this job",
    "type": "string"
  },
  "files_deleted": {
    "description": "Number of files deleted",
    "type": "string"
  },
  "files_total": {
    "description": "Total number of files that will be processed during this job (this will be close but not exact)",
    "type": "string"
  },
  "throughput_overall": {
    "description": "Overall average throughput in bytes per second of data copied since the beginning of the job",
    "type": "string"
  },
  "throughput_current": {
    "description": "Average throughput in bytes per second of data copied in the last one minute",
    "type": "string"
  }
}
},
"recovery_point_snapshot": {

```

```

    "description": "The snapshot that the last successful job replicated. If no replication job has ever run successfully, this field is set to null.",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier of the snapshot",
        "type": "number"
      },
      "name": {
        "description": "Name of the snapshot",
        "type": "string"
      },
      "timestamp": {
        "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
        "type": "string"
      },
      "directory_name": {
        "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
        "type": "string"
      },
      "source_file_id": {
        "description": "Source directory of the snapshot",
        "type": "string"
      },
      "created_by_policy": {
        "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
        "type": "boolean"
      },
      "expiration": {
        "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
        "type": "string"
      },
      "in_delete": {
        "description": "Whether or not the snapshot is in the process of being deleted",
        "type": "boolean"
      }
    }
  },
  "lock_key": {

```



"description": "The key that locks the policy-created snapshots for the specified target replication relationship. If set to null, the system does not lock the snapshots that the specified target replication relationship creates. Only snapshots created by a policy will be locked. Unless you configure an expiration on the snapshot policy on the target cluster, the system does not lock snapshots. If you reverse the relationship (switch the source and the target), the new target does not use this lock key. To enable snapshot locking, you must configure the new target separately. However, if you revert the reversed relationship (return the source and target to their original assignments), the system preserves the original target replication relationship lock key. Unless you reverse the relationship, you cannot disable or delete a lock key while a target replication relationship uses the key. If you disable or delete a lock key while the relationship is reversed and you then revert the reversal, the original source-target relationship has no lock key until you configure a new one.",

```
    "type": "string"
  }
}
```

# replication/target-relationships/{id}/delete

## Endpoint

`/v2/replication/target-relationships/{id}/delete`

## POST

Delete the specified replication relationship where this cluster is the target.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# replication/target-relationships/{id}/dismiss-error

## Endpoint

`/v2/replication/target-relationships/{id}/dismiss-error`

## POST

Clear the error associated with this target relationship's last replication attempt, if one exists.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# replication/target-relationships/{id}/lock

## Endpoint

`/v2/replication/target-relationships/{id}/lock`

## POST

Set or clear the snapshot lock key ID for snapshots that this target replication relationship creates. Changing the lock key applies only to snapshots that the system takes after you make a configuration change.

## Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

## Request

### Schema

```
{
  "description": "api_target_relationship_lock",
  "type": "object",
  "properties": {
    "lock_key_ref": {
      "description": "The key that locks the policy-created snapshots for the specified target replication relationship. If set to null, the system does not lock the snapshots that the specified target replication relationship creates. Only snapshots created by a policy will be locked. Unless you configure an expiration on the snapshot policy on the target cluster, the system does not lock snapshots. If you reverse the relationship (switch the source and the target), the new target does not use this lock key. To enable snapshot locking, you must configure the new target separately. However, if you revert the reversed relationship (return the source and target to their original assignments), the system preserves the original target replication relationship lock key. Unless you reverse the relationship, you cannot disable or delete a lock key while a target replication relationship uses the key. If you disable or delete a lock key while the relationship is reversed and you then revert the reversal, the original source-target relationship has no lock key until you configure a new one.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_target_relationship_lock",
  "type": "object",
  "properties": {
    "lock_key_ref": {
      "description": "The key that locks the policy-created snapshots for the specified target replication relationship. If set to null, the system does not lock the snapshots that the specified target replication relationship creates. Only snapshots created by a policy will be locked. Unless you configure an expiration on the snapshot policy on the target cluster, the system does not lock snapshots. If you reverse the relationship (switch the source and the target), the new target does not use this lock key. To enable snapshot locking, you must configure the new target separately. However, if you revert the reversed relationship (return the source and target to their original assignments), the system preserves the original target replication relationship lock key. Unless you reverse the relationship, you cannot disable or delete a lock key while a target replication relationship uses the key. If you disable or delete a lock key while the relationship is reversed and you then revert the reversal, the original source-target relationship has no lock key until you configure a new one.",
      "type": "string"
    }
  }
}
```

# replication/target-relationships/{id}/make-writable

## Endpoint

`/v2/replication/target-relationships/{id}/make-writable`

## POST

Revert target directory to the latest recovery point to ensure that it is in a point-in-time consistent state. Then disconnect the specified target replication relationship, breaking the relationship with the source and making the target directory writable. The revert action may take some time to complete. If the relationship is later reconnected, any changes made to the target directory since the relationship was disconnected will be reverted upon reconnecting.

## Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_target_relationship_status",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "state": {
      "type": "string",
      "enum": [
        "AWAITING_AUTHORIZATION",
        "DISCONNECTED",
        "DISCONNECTING",
        "ENDED",
        "ESTABLISHED",
        "RECONNECTING",
        "REESTABLISHING"
      ],
      "description": "Current state of replication relationship:\n * `AWAITING_AUTHO  
RIZATION` - AWAITING_AUTHORIZATION,\n * `DISCONNECTED` - DISCONNECTED,\n * `DISCONNE  
CTING` - DISCONNECTING,\n * `ENDED` - ENDED,\n * `ESTABLISHED` - ESTABLISHED,\n * `R  
ECONNECTING` - RECONNECTING,\n * `REESTABLISHING` - REESTABLISHING"
    },
    "end_reason": {
      "description": "If the relationship has ENDED, this states the reason. Otherwi  
se, this field is empty",
      "type": "string"
    },
    "source_cluster_name": {
      "description": "Name of the source cluster",
      "type": "string"
    },
    "source_cluster_uuid": {
      "description": "UUID of the source cluster",
      "type": "string"
    },
    "source_root_path": {
      "description": "Path to the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "source_address": {

```



```

    "description": "The previously connected source IP address",
    "type": "string"
  },
  "source_port": {
    "description": "Network port previously used to replicate to on the source",
    "type": "number"
  },
  "target_cluster_name": {
    "description": "Name of the target cluster",
    "type": "string"
  },
  "target_cluster_uuid": {
    "description": "UUID of the target cluster",
    "type": "string"
  },
  "target_root_path": {
    "description": "Path to the target directory",
    "type": "string"
  },
  "target_root_read_only": {
    "description": "Whether the target directory is read-only",
    "type": "boolean"
  },
  "job_state": {
    "type": "string",
    "enum": [
      "REPLICATION_NOT_RUNNING",
      "REPLICATION_RUNNING"
    ],
    "description": "Current state of the job:\n * `REPLICATION_NOT_RUNNING` - REPLICATION_NOT_RUNNING,\n * `REPLICATION_RUNNING` - REPLICATION_RUNNING"
  },
  "job_start_time": {
    "description": "If the job state is REPLICATION_RUNNING, this is the time that the job started, encoded as RFC 3339",
    "type": "string"
  },
  "recovery_point": {
    "description": "The time that the last successful job started, encoded as RFC 3339",
    "type": "string"
  },
  "error_from_last_job": {
    "description": "The error message from the previous job. If the previous job succeeded or no job has ever run, this field will be empty",
    "type": "string"
  }
}

```

```

},
"duration_of_last_job": {
  "description": "The elapsed execution time of the previous job, in nanoseconds. If no job has ever run, this field will be null.",
  "type": "object",
  "properties": {
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  }
},
"target_root_id": {
  "description": "File ID of the target directory",
  "type": "string"
},
"replication_enabled": {
  "description": "Whether automatic replication is enabled",
  "type": "boolean"
},
"replication_job_status": {
  "description": "Information about the progress of a job. This field is null if there is no job status available.",
  "type": "object",
  "properties": {
    "percent_complete": {
      "description": "Percent of way through the job, computed from a weighting of data and files processed",
      "type": "number"
    },
    "estimated_seconds_remaining": {
      "description": "Estimated number of seconds remaining in the job, derived from percent_complete. This may be null if there is no estimate.",
      "type": "string"
    },
    "bytes_transferred": {
      "description": "Number of bytes copied",
      "type": "string"
    },
    "bytes_unchanged": {
      "description": "Number of bytes not copied because they didn't change",
      "type": "string"
    },
    "bytes_remaining": {
      "description": "Number of bytes left to be processed in order to complete this job",

```

```

    "type": "string"
  },
  "bytes_deleted": {
    "description": "Number of bytes deleted",
    "type": "string"
  },
  "bytes_total": {
    "description": "Total number of bytes that will be processed during this job (this will be close but not exact)",
    "type": "string"
  },
  "files_transferred": {
    "description": "Number of files copied",
    "type": "string"
  },
  "files_unchanged": {
    "description": "Number of files not copied because they didn't change",
    "type": "string"
  },
  "files_remaining": {
    "description": "Number of files left to be processed in order to complete this job",
    "type": "string"
  },
  "files_deleted": {
    "description": "Number of files deleted",
    "type": "string"
  },
  "files_total": {
    "description": "Total number of files that will be processed during this job (this will be close but not exact)",
    "type": "string"
  },
  "throughput_overall": {
    "description": "Overall average throughput in bytes per second of data copied since the beginning of the job",
    "type": "string"
  },
  "throughput_current": {
    "description": "Average throughput in bytes per second of data copied in the last one minute",
    "type": "string"
  }
}
},
"recovery_point_snapshot": {

```

```

    "description": "The snapshot that the last successful job replicated. If no replication job has ever run successfully, this field is set to null.",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier of the snapshot",
        "type": "number"
      },
      "name": {
        "description": "Name of the snapshot",
        "type": "string"
      },
      "timestamp": {
        "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
        "type": "string"
      },
      "directory_name": {
        "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
        "type": "string"
      },
      "source_file_id": {
        "description": "Source directory of the snapshot",
        "type": "string"
      },
      "created_by_policy": {
        "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
        "type": "boolean"
      },
      "expiration": {
        "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
        "type": "string"
      },
      "in_delete": {
        "description": "Whether or not the snapshot is in the process of being deleted",
        "type": "boolean"
      }
    }
  },
  "lock_key": {

```

```
    "description": "The key that locks the policy-created snapshots for the specified target replication relationship. If set to null, the system does not lock the snapshots that the specified target replication relationship creates. Only snapshots created by a policy will be locked. Unless you configure an expiration on the snapshot policy on the target cluster, the system does not lock snapshots. If you reverse the relationship (switch the source and the target), the new target does not use this lock key. To enable snapshot locking, you must configure the new target separately. However, if you revert the reversed relationship (return the source and target to their original assignments), the system preserves the original target replication relationship lock key. Unless you reverse the relationship, you cannot disable or delete a lock key while a target replication relationship uses the key. If you disable or delete a lock key while the relationship is reversed and you then revert the reversal, the original source-target relationship has no lock key until you configure a new one.",
    "type": "string"
  }
}
```

# replication/target-relationships/{id}/reconnect

## Endpoint

`/v2/replication/target-relationships/{id}/reconnect`

## POST

Make the target directory read-only and revert any changes made to the target directory since the latest recovery point. Then reconnect the specified target replication relationship with its source directory. The revert action may take some time to complete before replication is resumed.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_target_relationship_status",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "state": {
      "type": "string",
      "enum": [
        "AWAITING_AUTHORIZATION",
        "DISCONNECTED",
        "DISCONNECTING",
        "ENDED",
        "ESTABLISHED",
        "RECONNECTING",
        "REESTABLISHING"
      ],
      "description": "Current state of replication relationship:\n * `AWAITING_AUTHORIZATION` - AWAITING_AUTHORIZATION,\n * `DISCONNECTED` - DISCONNECTED,\n * `DISCONNECTING` - DISCONNECTING,\n * `ENDED` - ENDED,\n * `ESTABLISHED` - ESTABLISHED,\n * `RECONNECTING` - RECONNECTING,\n * `REESTABLISHING` - REESTABLISHING"
    },
    "end_reason": {
      "description": "If the relationship has ENDED, this states the reason. Otherwise, this field is empty",
      "type": "string"
    },
    "source_cluster_name": {
      "description": "Name of the source cluster",
      "type": "string"
    },
    "source_cluster_uuid": {
      "description": "UUID of the source cluster",
      "type": "string"
    },
    "source_root_path": {
      "description": "Path to the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "source_address": {

```



```

    "description": "The previously connected source IP address",
    "type": "string"
  },
  "source_port": {
    "description": "Network port previously used to replicate to on the source",
    "type": "number"
  },
  "target_cluster_name": {
    "description": "Name of the target cluster",
    "type": "string"
  },
  "target_cluster_uuid": {
    "description": "UUID of the target cluster",
    "type": "string"
  },
  "target_root_path": {
    "description": "Path to the target directory",
    "type": "string"
  },
  "target_root_read_only": {
    "description": "Whether the target directory is read-only",
    "type": "boolean"
  },
  "job_state": {
    "type": "string",
    "enum": [
      "REPLICATION_NOT_RUNNING",
      "REPLICATION_RUNNING"
    ],
    "description": "Current state of the job:\n * `REPLICATION_NOT_RUNNING` - REPLICATION_NOT_RUNNING,\n * `REPLICATION_RUNNING` - REPLICATION_RUNNING"
  },
  "job_start_time": {
    "description": "If the job state is REPLICATION_RUNNING, this is the time that the job started, encoded as RFC 3339",
    "type": "string"
  },
  "recovery_point": {
    "description": "The time that the last successful job started, encoded as RFC 3339",
    "type": "string"
  },
  "error_from_last_job": {
    "description": "The error message from the previous job. If the previous job succeeded or no job has ever run, this field will be empty",
    "type": "string"
  }
}

```

```

},
"duration_of_last_job": {
  "description": "The elapsed execution time of the previous job, in nanoseconds. If no job has ever run, this field will be null.",
  "type": "object",
  "properties": {
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  }
},
"target_root_id": {
  "description": "File ID of the target directory",
  "type": "string"
},
"replication_enabled": {
  "description": "Whether automatic replication is enabled",
  "type": "boolean"
},
"replication_job_status": {
  "description": "Information about the progress of a job. This field is null if there is no job status available.",
  "type": "object",
  "properties": {
    "percent_complete": {
      "description": "Percent of way through the job, computed from a weighting of data and files processed",
      "type": "number"
    },
    "estimated_seconds_remaining": {
      "description": "Estimated number of seconds remaining in the job, derived from percent_complete. This may be null if there is no estimate.",
      "type": "string"
    },
    "bytes_transferred": {
      "description": "Number of bytes copied",
      "type": "string"
    },
    "bytes_unchanged": {
      "description": "Number of bytes not copied because they didn't change",
      "type": "string"
    },
    "bytes_remaining": {
      "description": "Number of bytes left to be processed in order to complete this job",

```

```

    "type": "string"
  },
  "bytes_deleted": {
    "description": "Number of bytes deleted",
    "type": "string"
  },
  "bytes_total": {
    "description": "Total number of bytes that will be processed during this job (this will be close but not exact)",
    "type": "string"
  },
  "files_transferred": {
    "description": "Number of files copied",
    "type": "string"
  },
  "files_unchanged": {
    "description": "Number of files not copied because they didn't change",
    "type": "string"
  },
  "files_remaining": {
    "description": "Number of files left to be processed in order to complete this job",
    "type": "string"
  },
  "files_deleted": {
    "description": "Number of files deleted",
    "type": "string"
  },
  "files_total": {
    "description": "Total number of files that will be processed during this job (this will be close but not exact)",
    "type": "string"
  },
  "throughput_overall": {
    "description": "Overall average throughput in bytes per second of data copied since the beginning of the job",
    "type": "string"
  },
  "throughput_current": {
    "description": "Average throughput in bytes per second of data copied in the last one minute",
    "type": "string"
  }
}
},
"recovery_point_snapshot": {

```

```

    "description": "The snapshot that the last successful job replicated. If no replication job has ever run successfully, this field is set to null.",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier of the snapshot",
        "type": "number"
      },
      "name": {
        "description": "Name of the snapshot",
        "type": "string"
      },
      "timestamp": {
        "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
        "type": "string"
      },
      "directory_name": {
        "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
        "type": "string"
      },
      "source_file_id": {
        "description": "Source directory of the snapshot",
        "type": "string"
      },
      "created_by_policy": {
        "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
        "type": "boolean"
      },
      "expiration": {
        "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
        "type": "string"
      },
      "in_delete": {
        "description": "Whether or not the snapshot is in the process of being deleted",
        "type": "boolean"
      }
    }
  },
  "lock_key": {

```

```
    "description": "The key that locks the policy-created snapshots for the specified target replication relationship. If set to null, the system does not lock the snapshots that the specified target replication relationship creates. Only snapshots created by a policy will be locked. Unless you configure an expiration on the snapshot policy on the target cluster, the system does not lock snapshots. If you reverse the relationship (switch the source and the target), the new target does not use this lock key. To enable snapshot locking, you must configure the new target separately. However, if you revert the reversed relationship (return the source and target to their original assignments), the system preserves the original target replication relationship lock key. Unless you reverse the relationship, you cannot disable or delete a lock key while a target replication relationship uses the key. If you disable or delete a lock key while the relationship is reversed and you then revert the reversal, the original source-target relationship has no lock key until you configure a new one.",
    "type": "string"
  }
}
```

# replication/target-relationships/{id}/status

## Endpoint

`/v2/replication/target-relationships/{id}/status`

## GET

Get current status of the specified replication relationship where this cluster is the target.

### Parameters

Name	Description	Required
<code>id</code>	Relationship identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_target_relationship_status",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the replication relationship",
      "type": "string"
    },
    "state": {
      "type": "string",
      "enum": [
        "AWAITING_AUTHORIZATION",
        "DISCONNECTED",
        "DISCONNECTING",
        "ENDED",
        "ESTABLISHED",
        "RECONNECTING",
        "REESTABLISHING"
      ],
      "description": "Current state of replication relationship:\n * `AWAITING_AUTHO  
RIZATION` - AWAITING_AUTHORIZATION,\n * `DISCONNECTED` - DISCONNECTED,\n * `DISCONNE  
CTING` - DISCONNECTING,\n * `ENDED` - ENDED,\n * `ESTABLISHED` - ESTABLISHED,\n * `R  
ECONNECTING` - RECONNECTING,\n * `REESTABLISHING` - REESTABLISHING"
    },
    "end_reason": {
      "description": "If the relationship has ENDED, this states the reason. Otherwi  
se, this field is empty",
      "type": "string"
    },
    "source_cluster_name": {
      "description": "Name of the source cluster",
      "type": "string"
    },
    "source_cluster_uuid": {
      "description": "UUID of the source cluster",
      "type": "string"
    },
    "source_root_path": {
      "description": "Path to the source directory",
      "type": "string"
    },
    "source_root_read_only": {
      "description": "Whether the source directory is read-only",
      "type": "boolean"
    },
    "source_address": {

```



```

    "description": "The previously connected source IP address",
    "type": "string"
  },
  "source_port": {
    "description": "Network port previously used to replicate to on the source",
    "type": "number"
  },
  "target_cluster_name": {
    "description": "Name of the target cluster",
    "type": "string"
  },
  "target_cluster_uuid": {
    "description": "UUID of the target cluster",
    "type": "string"
  },
  "target_root_path": {
    "description": "Path to the target directory",
    "type": "string"
  },
  "target_root_read_only": {
    "description": "Whether the target directory is read-only",
    "type": "boolean"
  },
  "job_state": {
    "type": "string",
    "enum": [
      "REPLICATION_NOT_RUNNING",
      "REPLICATION_RUNNING"
    ],
    "description": "Current state of the job:\n * `REPLICATION_NOT_RUNNING` - REPLICATION_NOT_RUNNING,\n * `REPLICATION_RUNNING` - REPLICATION_RUNNING"
  },
  "job_start_time": {
    "description": "If the job state is REPLICATION_RUNNING, this is the time that the job started, encoded as RFC 3339",
    "type": "string"
  },
  "recovery_point": {
    "description": "The time that the last successful job started, encoded as RFC 3339",
    "type": "string"
  },
  "error_from_last_job": {
    "description": "The error message from the previous job. If the previous job succeeded or no job has ever run, this field will be empty",
    "type": "string"
  }
}

```

```

},
"duration_of_last_job": {
  "description": "The elapsed execution time of the previous job, in nanoseconds. If no job has ever run, this field will be null.",
  "type": "object",
  "properties": {
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  }
},
"target_root_id": {
  "description": "File ID of the target directory",
  "type": "string"
},
"replication_enabled": {
  "description": "Whether automatic replication is enabled",
  "type": "boolean"
},
"replication_job_status": {
  "description": "Information about the progress of a job. This field is null if there is no job status available.",
  "type": "object",
  "properties": {
    "percent_complete": {
      "description": "Percent of way through the job, computed from a weighting of data and files processed",
      "type": "number"
    },
    "estimated_seconds_remaining": {
      "description": "Estimated number of seconds remaining in the job, derived from percent_complete. This may be null if there is no estimate.",
      "type": "string"
    },
    "bytes_transferred": {
      "description": "Number of bytes copied",
      "type": "string"
    },
    "bytes_unchanged": {
      "description": "Number of bytes not copied because they didn't change",
      "type": "string"
    },
    "bytes_remaining": {
      "description": "Number of bytes left to be processed in order to complete this job",

```

```

    "type": "string"
  },
  "bytes_deleted": {
    "description": "Number of bytes deleted",
    "type": "string"
  },
  "bytes_total": {
    "description": "Total number of bytes that will be processed during this job (this will be close but not exact)",
    "type": "string"
  },
  "files_transferred": {
    "description": "Number of files copied",
    "type": "string"
  },
  "files_unchanged": {
    "description": "Number of files not copied because they didn't change",
    "type": "string"
  },
  "files_remaining": {
    "description": "Number of files left to be processed in order to complete this job",
    "type": "string"
  },
  "files_deleted": {
    "description": "Number of files deleted",
    "type": "string"
  },
  "files_total": {
    "description": "Total number of files that will be processed during this job (this will be close but not exact)",
    "type": "string"
  },
  "throughput_overall": {
    "description": "Overall average throughput in bytes per second of data copied since the beginning of the job",
    "type": "string"
  },
  "throughput_current": {
    "description": "Average throughput in bytes per second of data copied in the last one minute",
    "type": "string"
  }
}
},
"recovery_point_snapshot": {

```

```

    "description": "The snapshot that the last successful job replicated. If no replication job has ever run successfully, this field is set to null.",
    "type": "object",
    "properties": {
      "id": {
        "description": "Unique identifier of the snapshot",
        "type": "number"
      },
      "name": {
        "description": "Name of the snapshot",
        "type": "string"
      },
      "timestamp": {
        "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
        "type": "string"
      },
      "directory_name": {
        "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
        "type": "string"
      },
      "source_file_id": {
        "description": "Source directory of the snapshot",
        "type": "string"
      },
      "created_by_policy": {
        "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
        "type": "boolean"
      },
      "expiration": {
        "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
        "type": "string"
      },
      "in_delete": {
        "description": "Whether or not the snapshot is in the process of being deleted",
        "type": "boolean"
      }
    }
  },
  "lock_key": {

```

```
    "description": "The key that locks the policy-created snapshots for the specified target replication relationship. If set to null, the system does not lock the snapshots that the specified target replication relationship creates. Only snapshots created by a policy will be locked. Unless you configure an expiration on the snapshot policy on the target cluster, the system does not lock snapshots. If you reverse the relationship (switch the source and the target), the new target does not use this lock key. To enable snapshot locking, you must configure the new target separately. However, if you revert the reversed relationship (return the source and target to their original assignments), the system preserves the original target replication relationship lock key. Unless you reverse the relationship, you cannot disable or delete a lock key while a target replication relationship uses the key. If you disable or delete a lock key while the relationship is reversed and you then revert the reversal, the original source-target relationship has no lock key until you configure a new one.",
    "type": "string"
  }
}
```

# s3/access-keys/

## Endpoint

`/v1/s3/access-keys/`

## GET

List all S3 access keys present in the system.

### Parameters

Name	Description	Required
<code>user</code>	Filters access keys by the given user identity if specified.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_key_description_list_model",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "entries",
        "type": "object",
        "properties": {
          "access_key_id": {
            "description": "The access key ID of the S3 credentials to use in signed requests.",
            "type": "string"
          },
          "owner": {
            "description": "The system identity that the requests with the current credentials use for file system operations.",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",
                  "POSIX_USER",
                  "POSIX_GROUP",
                  "ACTIVE_DIRECTORY",
                  "API_INVALID_DOMAIN",
                  "API_RESERVED_DOMAIN",
                  "API_INTERNAL_DOMAIN",
                  "API_OPERATOR_DOMAIN",
                  "API_CREATOR_DOMAIN"
                ]
              },
              "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
            }
          },
          "auth_id": {
            "description": "auth_id",
            "type": "string"
          }
        }
      }
    }
  }
}

```





Request  
Schema

```

{
  "description": "api_key_creation_options",
  "type": "object",
  "properties": {
    "user": {
      "description": "user",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```
    "name": {
      "description": "name",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_created_key",
  "type": "object",
  "properties": {
    "access_key_id": {
      "description": "The access key ID of the S3 credentials to use in signed requests.",
      "type": "string"
    },
    "owner": {
      "description": "The system identity which the requests with the current credentials use for file system operations.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ]
        },
        "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
      },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",

```

```
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
},
"secret_access_key": {
  "description": "The secret access key to use as the signing key in requests th
at use the current credentials.",
  "type": "string"
},
"creation_time": {
  "description": "The creation time of the current credentials.",
  "type": "string"
}
}
```

# s3/access-keys/{id}

## Endpoint

`/v1/s3/access-keys/{id}`

## DELETE

Delete the key identified by the given Access Key ID the current user. Access is revoked immediately.

## Parameters

Name	Description	Required
<code>id</code>	Access Key ID	Yes

## Response

### Codes

Code	Description
200	Return value on success



# s3/buckets/

## Endpoint

/v1/s3/buckets/

## GET

List all S3 buckets present in the system.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_bucket_description_list_model",
  "type": "object",
  "properties": {
    "buckets": {
      "type": "array",
      "items": {
        "description": "buckets",
        "type": "object",
        "properties": {
          "name": {
            "description": "The name of the S3 bucket.",
            "type": "string"
          },
          "creation_time": {
            "description": "The creation time of the S3 bucket.",
            "type": "string"
          },
          "path": {
            "description": "The bucket root directory of the S3 bucket.",
            "type": "string"
          },
          "anonymous_access_enabled": {
            "description": "Deprecated. To configure anonymous access for an S3 bucket, use the qq s3_set_bucket policy command with an Allow statement that targets the local:guest account.",
            "type": "boolean"
          },
          "versioning": {
            "description": "The versioning state of the current S3 bucket: Unversioned, Enabled, or Suspended.",
            "type": "string"
          }
        }
      }
    }
  }
}
```

## POST

Create a new S3 bucket.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_bucket_options",
  "type": "object",
  "properties": {
    "name": {
      "description": "name",
      "type": "string"
    },
    "path": {
      "description": "The absolute path to the directory to use as bucket root directory. The caller must have permission to look up this directory.",
      "type": "string"
    },
    "create_fs_path": {
      "description": "Specifies whether to create the bucket root if it doesn't exist.",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_bucket_description",
  "type": "object",
  "properties": {
    "name": {
      "description": "The name of the S3 bucket.",
      "type": "string"
    },
    "creation_time": {
      "description": "The creation time of the S3 bucket.",
      "type": "string"
    },
    "path": {
      "description": "The bucket root directory of the S3 bucket.",
      "type": "string"
    },
    "anonymous_access_enabled": {
      "description": "Deprecated. To configure anonymous access for an S3 bucket, use the qq s3_set_bucket policy command with an Allow statement that targets the local:guest account.",
      "type": "boolean"
    },
    "versioning": {
      "description": "The versioning state of the current S3 bucket: Unversioned, Enabled, or Suspended.",
      "type": "string"
    }
  }
}
```

# s3/buckets/{name}

## Endpoint

`/v1/s3/buckets/{name}`

## DELETE

Delete an existing S3 bucket.

### Parameters

Name	Description	Required
<code>name</code>	Bucket name	Yes
<code>delete-root-dir</code>	If set to true, the root directory of the bucket will also be unlinked. Otherwise the root directory is not unlinked.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# s3/buckets/{name}/policy

## Endpoint

`/v1/s3/buckets/{name}/policy`

## GET

Gets the policy on an S3 bucket.

### Parameters

Name	Description	Required
<code>name</code>	Bucket name	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## PUT

Sets the policy on an S3 bucket. The format of the bucket policy can be found here: <https://docs.qumulo.com/administrator-guide/s3-api/creating-managing-s3-buckets.html>

### Parameters

Name	Description	Required
<code>name</code>	Bucket name	Yes
<code>allow-remove-self</code>	If set to true, the user is able to set a bucket policy that removes their access to set bucket policies on this bucket, otherwise they cannot. If not present, removing self permissions will be denied.	No
<code>If-Match</code>	ETag for expected version	No

### Response

#### Codes

Code	Description
------	-------------

200	Return value on success
-----	-------------------------

# s3/buckets/{name}/policy/explain-access

## Endpoint

`/v1/s3/buckets/{name}/policy/explain-access`

## POST

Explains the access of an identity due to the bucket policy.

## Parameters

Name	Description	Required
<code>name</code>	Bucket name	Yes



Request  
Schema

```

{
  "description": "api_bucket_policy_access_explanation_options",
  "type": "object",
  "properties": {
    "identity": {
      "description": "The identity to explain bucket access for, if None then return access for an anonymous user.",
      "type": "object",
      "properties": {
        "domain": {
          "type": "string",
          "enum": [
            "LOCAL",
            "API_NULL_DOMAIN",
            "WORLD",
            "POSIX_USER",
            "POSIX_GROUP",
            "ACTIVE_DIRECTORY",
            "API_INVALID_DOMAIN",
            "API_RESERVED_DOMAIN",
            "API_INTERNAL_DOMAIN",
            "API_OPERATOR_DOMAIN",
            "API_CREATOR_DOMAIN"
          ],
          "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
        },
        "auth_id": {
          "description": "auth_id",
          "type": "string"
        },
        "uid": {
          "description": "uid",
          "type": "number"
        },
        "gid": {
          "description": "gid",
          "type": "number"
        },
        "sid": {
          "description": "sid",
          "type": "string"
        }
      }
    }
  }
}

```

```
    },  
    "name": {  
      "description": "name",  
      "type": "string"  
    }  
  }  
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_bucket_policy_access_explanation",
  "type": "object",
  "properties": {
    "allowed_actions": {
      "type": "array",
      "items": {
        "description": "The complete set of API actions that the user is permitted to perform on the specified bucket.",
        "type": "string"
      }
    }
  },
  "identity": {
    "description": "The identity the explanation pertains to.",
    "type": "object",
    "properties": {
      "domain": {
        "type": "string",
        "enum": [
          "LOCAL",
          "API_NULL_DOMAIN",
          "WORLD",
          "POSIX_USER",
          "POSIX_GROUP",
          "ACTIVE_DIRECTORY",
          "API_INVALID_DOMAIN",
          "API_RESERVED_DOMAIN",
          "API_INTERNAL_DOMAIN",
          "API_OPERATOR_DOMAIN",
          "API_CREATOR_DOMAIN"
        ]
      },
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
      "auth_id": {
        "description": "auth_id",
        "type": "string"
      },
      "uid": {
        "description": "uid",
        "type": "number"
      }
    }
  }
}

```

```

    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  },
  "rbac_allowed_actions": {
    "type": "array",
    "items": {
      "description": "The set of actions the users RBAC roles gives them permission to perform.",
      "type": "string"
    }
  },
  "statement_access": {
    "type": "array",
    "items": {
      "description": "The access that each statement provides the identity, none if the statement does not apply to the identity.",
      "type": "object",
      "properties": {
        "allow": {
          "description": "Does the current statement allow or deny access?",
          "type": "boolean"
        },
        "actions": {
          "type": "array",
          "items": {
            "description": "The set of API actions to which the current statement refers.",
            "type": "string"
          }
        }
      }
    }
  }
}

```

# s3/buckets/{name}/uploads/

## Endpoint

`/v1/s3/buckets/{name}/uploads/`

## GET

List all in-progress S3 uploads for a specific bucket.

### Parameters

Name	Description	Required
<code>name</code>	Bucket name	Yes
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_upload_description_list_model",
  "type": "object",
  "properties": {
    "uploads": {
      "type": "array",
      "items": {
        "description": "uploads",
        "type": "object",
        "properties": {
          "id": {
            "description": "The ID of the S3 upload.",
            "type": "string"
          },
          "key": {
            "description": "The key for which the system initiates the upload.",
            "type": "string"
          },
          "bucket": {
            "description": "The name of the S3 bucket to which the upload belongs.",
            "type": "string"
          },
          "initiator": {
            "description": "The system identity that represents the user who initiated the upload.",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",
                  "POSIX_USER",
                  "POSIX_GROUP",
                  "ACTIVE_DIRECTORY",
                  "API_INVALID_DOMAIN",
                  "API_RESERVED_DOMAIN",
                  "API_INTERNAL_DOMAIN",
                  "API_OPERATOR_DOMAIN",
                  "API_CREATOR_DOMAIN"
                ]
              },
              "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE"
            }
          }
        }
      }
    }
  }
}

```

```
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROU  
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
```

```
  },  
  "auth_id": {  
    "description": "auth_id",  
    "type": "string"  
  },  
  "uid": {  
    "description": "uid",  
    "type": "number"  
  },  
  "gid": {  
    "description": "gid",  
    "type": "number"  
  },  
  "sid": {  
    "description": "sid",  
    "type": "string"  
  },  
  "name": {  
    "description": "name",  
    "type": "string"  
  }  
}  
},  
"initiated": {  
  "description": "The time at which the upload was initiated.",  
  "type": "string"  
},  
"last_modified": {  
  "description": "The time at which the upload was modified last.",  
  "type": "string"  
},  
"total_blocks": {  
  "description": "The total number of blocks (data and meta blocks) that t  
he upload has used.",  
  "type": "string"  
},  
"datablocks": {  
  "description": "The number of data blocks that the upload has used.",  
  "type": "string"  
},  
"metablocks": {  
  "description": "The number of meta blocks that the upload has used.",  
  "type": "string"  
},  
},
```

```
    "completing": {
      "description": "The upload is in progress.",
      "type": "boolean"
    },
    "system_initiated": {
      "description": "The system has initiated the current upload as part of
a different request.",
      "type": "boolean"
    }
  }
}
```

# s3/buckets/{name}/uploads/{id}

## Endpoint

`/v1/s3/buckets/{name}/uploads/{id}`

## DELETE

Aborts an in-progress upload and releases all allocated storage.

### Parameters

Name	Description	Required
<code>name</code>	Bucket name	Yes
<code>id</code>	Upload ID	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# s3/settings

## Endpoint

`/v1/s3/settings`

## GET

Retrieve the current S3 server settings.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_v1_s3_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, allows the cluster to make S3 connections.",
      "type": "boolean"
    },
    "base_path": {
      "description": "The default bucket directory prefix for all S3 buckets created without an explicitly specified path, for example, by using the CreateBucket API action. You must specify this directory as an absolute path.",
      "type": "string"
    },
    "multipart_upload_expiry_interval": {
      "description": "The time period during which the system permits a multipart upload to remain unmodified. When this time period elapses, the system considers the multipart upload stale and cleans it up automatically. Specify the time period in the <quantity><units> format (for example, 5days). Quantity must be a positive integer less than 100 and units must be one of the following: months, weeks, days, or hours. To disable automatic multipart upload cleanup, specify never for quantity and do not specify any units.",
      "type": "string"
    },
    "secure": {
      "description": "If you specify true, the S3 server accepts only HTTPS connections. By default, the S3 server accepts only HTTP connections.",
      "type": "boolean"
    }
  }
}
```

## PATCH

Modify the current S3 server settings.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_v1_s3_config_patch",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, allows the cluster to make S3 connections.",
      "type": "boolean"
    },
    "base_path": {
      "description": "The default bucket directory prefix for all S3 buckets created without an explicitly specified path, for example, by using the CreateBucket API action. You must specify this directory as an absolute path.",
      "type": "string"
    },
    "multipart_upload_expiry_interval": {
      "description": "The time period during which the system permits a multipart upload to remain unmodified. When this time period elapses, the system considers the multipart upload stale and cleans it up automatically. Specify the time period in the <quantity><units> format (for example, 5days). Quantity must be a positive integer less than 100 and units must be one of the following: months, weeks, days, or hours. To disable automatic multipart upload cleanup, specify never for quantity and do not specify any units.",
      "type": "string"
    },
    "secure": {
      "description": "If you specify true, the S3 server accepts only HTTP connections. By default, the S3 server accepts only HTTP connections.",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_v1_s3_config",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, allows the cluster to make S3 connections.",
      "type": "boolean"
    },
    "base_path": {
      "description": "The default bucket directory prefix for all S3 buckets created without an explicitly specified path, for example, by using the CreateBucket API action. You must specify this directory as an absolute path.",
      "type": "string"
    },
    "multipart_upload_expiry_interval": {
      "description": "The time period during which the system permits a multipart upload to remain unmodified. When this time period elapses, the system considers the multipart upload stale and cleans it up automatically. Specify the time period in the <quantity><units> format (for example, 5days). Quantity must be a positive integer less than 100 and units must be one of the following: months, weeks, days, or hours. To disable automatic multipart upload cleanup, specify never for quantity and do not specify any units.",
      "type": "string"
    },
    "secure": {
      "description": "If you specify true, the S3 server accepts only HTTPS connections. By default, the S3 server accepts only HTTP connections.",
      "type": "boolean"
    }
  }
}
```



# saml/settings

## Endpoint

`/v1/saml/settings`

## GET

Retrieve the current SAML integration settings.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_v1_saml_settings",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster accepts SAML authentication. It is necessary first to create a SAML integration for the cluster with a third-party SSO service (that will act as a SAML Identity Provider) and obtain IdP SSO URL and X.509 certificate. Use https://cluster-fqdn/saml for the Service Provider endpoint when creating the SAML integration. The cluster must be joined to an Active Directory domain, and the SSO service must be connected to the same domain.",
      "type": "boolean"
    },
    "idp_sso_url": {
      "description": "IdP SSO URL. The cluster will send a SAML authentication request to this URL to ask for a Single Sign-On from the Identity Provider. ",
      "type": "string"
    },
    "idp_certificate": {
      "description": "IdP X.509 certificate in PEM format. The cluster will use it to validate the SAML Response received from the Identity Provider before granting the user from the response a bearer token to access the cluster.",
      "type": "string"
    },
    "idp_entity_id": {
      "description": "IdP entity ID. Must be a URI provided by the IdP. The cluster will use it to prepare correctly-formed SAML requests to the IdP and to verify that received SAML responses came from that IdP.",
      "type": "string"
    },
    "cluster_dns_name": {
      "description": "DNS name of the cluster. Must be of the form `cluster.domain.com`. The cluster uses this to correctly redirect authentication flows back to itself when the user attempts to log in to the Identity Provider.",
      "type": "string"
    },
    "require_sso": {
      "description": "If set, requires SSO for Active Directory (AD) users to be able to manage this cluster. The cluster rejects password-based authentication from AD users of the Web UI, qq CLI, and REST API. This setting does not restrict access over file protocols such as SMB.",
      "type": "boolean"
    }
  }
}

```

## PUT

Set the SAML integration settings.

### Parameters

Name	Description	Required
<b>If-Match</b>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_v1_saml_settings",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster accepts SAML authentication. It is necessary first to create a SAML integration for the cluster with a third-party SSO service (that will act as a SAML Identity Provider) and obtain IdP SSO URL and X.509 certificate. Use https://cluster-fqdn/saml for the Service Provider endpoint when creating the SAML integration. The cluster must be joined to an Active Directory domain, and the SSO service must be connected to the same domain.",
      "type": "boolean"
    },
    "idp_sso_url": {
      "description": "IdP SSO URL. The cluster will send a SAML authentication request to this URL to ask for a Single Sign-On from the Identity Provider. ",
      "type": "string"
    },
    "idp_certificate": {
      "description": "IdP X.509 certificate in PEM format. The cluster will use it to validate the SAML Response received from the Identity Provider before granting the user from the response a bearer token to access the cluster.",
      "type": "string"
    },
    "idp_entity_id": {
      "description": "IdP entity ID. Must be a URI provided by the IdP. The cluster will use it to prepare correctly-formed SAML requests to the IdP and to verify that received SAML responses came from that IdP.",
      "type": "string"
    },
    "cluster_dns_name": {
      "description": "DNS name of the cluster. Must be of the form `cluster.domain.com`. The cluster uses this to correctly redirect authentication flows back to itself when the user attempts to log in to the Identity Provider.",
      "type": "string"
    },
    "require_sso": {
      "description": "If set, requires SSO for Active Directory (AD) users to be able to manage this cluster. The cluster rejects password-based authentication from AD users of the Web UI, qq CLI, and REST API. This setting does not restrict access over file protocols such as SMB.",
      "type": "boolean"
    }
  }
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_v1_saml_settings",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster accepts SAML authentication. It is necessary first to create a SAML integration for the cluster with a third-party SSO service (that will act as a SAML Identity Provider) and obtain IdP SSO URL and X.509 certificate. Use https://cluster-fqdn/saml for the Service Provider endpoint when creating the SAML integration. The cluster must be joined to an Active Directory domain, and the SSO service must be connected to the same domain.",
      "type": "boolean"
    },
    "idp_sso_url": {
      "description": "IdP SSO URL. The cluster will send a SAML authentication request to this URL to ask for a Single Sign-On from the Identity Provider. ",
      "type": "string"
    },
    "idp_certificate": {
      "description": "IdP X.509 certificate in PEM format. The cluster will use it to validate the SAML Response received from the Identity Provider before granting the user from the response a bearer token to access the cluster.",
      "type": "string"
    },
    "idp_entity_id": {
      "description": "IdP entity ID. Must be a URI provided by the IdP. The cluster will use it to prepare correctly-formed SAML requests to the IdP and to verify that received SAML responses came from that IdP.",
      "type": "string"
    },
    "cluster_dns_name": {
      "description": "DNS name of the cluster. Must be of the form `cluster.domain.com`. The cluster uses this to correctly redirect authentication flows back to itself when the user attempts to log in to the Identity Provider.",
      "type": "string"
    },
    "require_sso": {
      "description": "If set, requires SSO for Active Directory (AD) users to be able to manage this cluster. The cluster rejects password-based authentication from AD users of the Web UI, qq CLI, and REST API. This setting does not restrict access over file protocols such as SMB.",
      "type": "boolean"
    }
  }
}

```

## PATCH

Modify the SAML integration settings.

### Parameters

Name	Description	Required
<b>If-Match</b>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_v1_saml_settings_patch",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster accepts SAML authentication. It is necessary first to create a SAML integration for the cluster with a third-party SSO service (that will act as a SAML Identity Provider) and obtain IdP SSO URL and X.509 certificate. Use https://cluster-fqdn/saml for the Service Provider endpoint when creating the SAML integration. The cluster must be joined to an Active Directory domain, and the SSO service must be connected to the same domain.",
      "type": "boolean"
    },
    "idp_sso_url": {
      "description": "IdP SSO URL. The cluster will send a SAML authentication request to this URL to ask for a Single Sign-On from the Identity Provider. ",
      "type": "string"
    },
    "idp_certificate": {
      "description": "IdP X.509 certificate in PEM format. The cluster will use it to validate the SAML Response received from the Identity Provider before granting the user from the response a bearer token to access the cluster.",
      "type": "string"
    },
    "idp_entity_id": {
      "description": "IdP entity ID. Must be a URI provided by the IdP. The cluster will use it to prepare correctly-formed SAML requests to the IdP and to verify that received SAML responses came from that IdP.",
      "type": "string"
    },
    "cluster_dns_name": {
      "description": "DNS name of the cluster. Must be of the form `cluster.domain.com`. The cluster uses this to correctly redirect authentication flows back to itself when the user attempts to log in to the Identity Provider.",
      "type": "string"
    },
    "require_sso": {
      "description": "If set, requires SSO for Active Directory (AD) users to be able to manage this cluster. The cluster rejects password-based authentication from AD users of the Web UI, qq CLI, and REST API. This setting does not restrict access over file protocols such as SMB.",
      "type": "boolean"
    }
  }
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_v1_saml_settings",
  "type": "object",
  "properties": {
    "enabled": {
      "description": "When enabled, the cluster accepts SAML authentication. It is necessary first to create a SAML integration for the cluster with a third-party SSO service (that will act as a SAML Identity Provider) and obtain IdP SSO URL and X.509 certificate. Use https://cluster-fqdn/saml for the Service Provider endpoint when creating the SAML integration. The cluster must be joined to an Active Directory domain, and the SSO service must be connected to the same domain.",
      "type": "boolean"
    },
    "idp_sso_url": {
      "description": "IdP SSO URL. The cluster will send a SAML authentication request to this URL to ask for a Single Sign-On from the Identity Provider. ",
      "type": "string"
    },
    "idp_certificate": {
      "description": "IdP X.509 certificate in PEM format. The cluster will use it to validate the SAML Response received from the Identity Provider before granting the user from the response a bearer token to access the cluster.",
      "type": "string"
    },
    "idp_entity_id": {
      "description": "IdP entity ID. Must be a URI provided by the IdP. The cluster will use it to prepare correctly-formed SAML requests to the IdP and to verify that received SAML responses came from that IdP.",
      "type": "string"
    },
    "cluster_dns_name": {
      "description": "DNS name of the cluster. Must be of the form `cluster.domain.com`. The cluster uses this to correctly redirect authentication flows back to itself when the user attempts to log in to the Identity Provider.",
      "type": "string"
    },
    "require_sso": {
      "description": "If set, requires SSO for Active Directory (AD) users to be able to manage this cluster. The cluster rejects password-based authentication from AD users of the Web UI, qq CLI, and REST API. This setting does not restrict access over file protocols such as SMB.",
      "type": "boolean"
    }
  }
}

```

# smb/files/

## Endpoint

`/v1/smb/files/`

## GET

Enumerate open file handles

### Parameters

Name	Description	Required
<code>file_number</code>	File ID (uint64). Limits result to handles on the specified file.	No
<code>resolve_paths</code>	Includes the paths to each file in the results. Resolving many paths can be slow.	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_smb_files_get_response",
  "type": "object",
  "properties": {
    "file_handles": {
      "type": "array",
      "items": {
        "description": "file_handles",
        "type": "object",
        "properties": {
          "file_number": {
            "description": "file_number",
            "type": "string"
          },
          "handle_info": {
            "description": "handle_info",
            "type": "object",
            "properties": {
              "location": {
                "description": "location",
                "type": "string"
              },
              "version": {
                "description": "version",
                "type": "number"
              },
              "num_byte_range_locks": {
                "description": "num_byte_range_locks",
                "type": "number"
              },
              "access_mask": {
                "description": "access_mask",
                "type": "array",
                "items": {
                  "type": "string",
                  "enum": [
                    "MS_ACCESS_FILE_READ_DATA",
                    "MS_ACCESS_FILE_WRITE_DATA",
                    "MS_ACCESS_FILE_APPEND_DATA",
                    "MS_ACCESS_FILE_EXECUTE",
                    "MS_ACCESS_FILE_LIST_DIRECTORY",
                    "MS_ACCESS_FILE_ADD_FILE",
                    "MS_ACCESS_FILE_ADD_SUBDIRECTORY",
                    "MS_ACCESS_FILE_TRAVERSE",
                    "MS_ACCESS_FILE_READ_EA",
                    "MS_ACCESS_FILE_WRITE_EA",

```

```
"MS_ACCESS_FILE_DELETE_CHILD",
"MS_ACCESS_FILE_READ_ATTRIBUTES",
"MS_ACCESS_FILE_WRITE_ATTRIBUTES",
"MS_ACCESS_OBJECT_SPECIFIC_9",
"MS_ACCESS_OBJECT_SPECIFIC_10",
"MS_ACCESS_OBJECT_SPECIFIC_11",
"MS_ACCESS_OBJECT_SPECIFIC_12",
"MS_ACCESS_OBJECT_SPECIFIC_13",
"MS_ACCESS_OBJECT_SPECIFIC_14",
"MS_ACCESS_OBJECT_SPECIFIC_15",
"MS_ACCESS_DELETE",
"MS_ACCESS_READ_CONTROL",
"MS_ACCESS_WRITE_DAC",
"MS_ACCESS_WRITE_OWNER",
"MS_ACCESS_SYNCHRONIZE",
"MS_ACCESS_SYSTEM_SECURITY",
"MS_ACCESS_MAXIMUM_ALLOWED",
"MS_ACCESS_GENERIC_ALL",
"MS_ACCESS_GENERIC_EXECUTE",
"MS_ACCESS_GENERIC_WRITE",
"MS_ACCESS_GENERIC_READ",
"MS_ACCESS_FILE_ALL"
```

```
],
```

```
"description": "access_mask:\n * `MS_ACCESS_DELETE` - MS_ACCESS_DE  
LETE,\n * `MS_ACCESS_FILE_ADD_FILE` - MS_ACCESS_FILE_ADD_FILE,\n * `MS_ACCESS_FILE_A  
DD_SUBDIRECTORY` - MS_ACCESS_FILE_ADD_SUBDIRECTORY,\n * `MS_ACCESS_FILE_ALL` - MS_AC  
CESS_FILE_ALL,\n * `MS_ACCESS_FILE_APPEND_DATA` - MS_ACCESS_FILE_APPEND_DATA,\n * `M  
S_ACCESS_FILE_DELETE_CHILD` - MS_ACCESS_FILE_DELETE_CHILD,\n * `MS_ACCESS_FILE_EXECU  
TE` - MS_ACCESS_FILE_EXECUTE,\n * `MS_ACCESS_FILE_LIST_DIRECTORY` - MS_ACCESS_FILE_L  
IST_DIRECTORY,\n * `MS_ACCESS_FILE_READ_ATTRIBUTES` - MS_ACCESS_FILE_READ_ATTRIBUTE  
S,\n * `MS_ACCESS_FILE_READ_DATA` - MS_ACCESS_FILE_READ_DATA,\n * `MS_ACCESS_FILE_RE  
AD_EA` - MS_ACCESS_FILE_READ_EA,\n * `MS_ACCESS_FILE_TRAVERSE` - MS_ACCESS_FILE_TRAV  
ERSE,\n * `MS_ACCESS_FILE_WRITE_ATTRIBUTES` - MS_ACCESS_FILE_WRITE_ATTRIBUTES,\n *  
`MS_ACCESS_FILE_WRITE_DATA` - MS_ACCESS_FILE_WRITE_DATA,\n * `MS_ACCESS_FILE_WRITE_E  
A` - MS_ACCESS_FILE_WRITE_EA,\n * `MS_ACCESS_GENERIC_ALL` - MS_ACCESS_GENERIC_AL  
L,\n * `MS_ACCESS_GENERIC_EXECUTE` - MS_ACCESS_GENERIC_EXECUTE,\n * `MS_ACCESS_GENER  
IC_READ` - MS_ACCESS_GENERIC_READ,\n * `MS_ACCESS_GENERIC_WRITE` - MS_ACCESS_GENERI  
C_WRITE,\n * `MS_ACCESS_MAXIMUM_ALLOWED` - MS_ACCESS_MAXIMUM_ALLOWED,\n * `MS_ACCES  
S_OBJECT_SPECIFIC_10` - MS_ACCESS_OBJECT_SPECIFIC_10,\n * `MS_ACCESS_OBJECT_SPECIFI  
C_11` - MS_ACCESS_OBJECT_SPECIFIC_11,\n * `MS_ACCESS_OBJECT_SPECIFIC_12` - MS_ACCES  
S_OBJECT_SPECIFIC_12,\n * `MS_ACCESS_OBJECT_SPECIFIC_13` - MS_ACCESS_OBJECT_SPECIFI  
C_13,\n * `MS_ACCESS_OBJECT_SPECIFIC_14` - MS_ACCESS_OBJECT_SPECIFIC_14,\n * `MS_ACC  
ESS_OBJECT_SPECIFIC_15` - MS_ACCESS_OBJECT_SPECIFIC_15,\n * `MS_ACCESS_OBJECT_SPECIF  
IC_9` - MS_ACCESS_OBJECT_SPECIFIC_9,\n * `MS_ACCESS_READ_CONTROL` - MS_ACCESS_READ_C  
ONTROL,\n * `MS_ACCESS_SYNCHRONIZE` - MS_ACCESS_SYNCHRONIZE,\n * `MS_ACCESS_SYSTEM_S  
ECURITY` - MS_ACCESS_SYSTEM_SECURITY,\n * `MS_ACCESS_WRITE_DAC` - MS_ACCESS_WRITE_DA
```

```
C,\n * `MS_ACCESS_WRITE_OWNER` - MS_ACCESS_WRITE_OWNER"  
    }  
  },  
  "owner": {  
    "description": "owner",  
    "type": "string"  
  },  
  "path": {  
    "description": "path",  
    "type": "string"  
  }  
}  
}  
}  
}  
}  
}  
}
```

# smb/files/close

## Endpoint

`/v1/smb/files/close`

## POST

The request body must contain a list of file handles to close, as returned from GET `/v1/smb/files`. Fields other than 'location' are ignored.

## Parameters

This resource has no parameters.

Request  
Schema

```

{
  "type": "array",
  "items": {
    "description": "api_file_handle",
    "type": "object",
    "properties": {
      "file_number": {
        "description": "file_number",
        "type": "string"
      },
      "handle_info": {
        "description": "handle_info",
        "type": "object",
        "properties": {
          "location": {
            "description": "location",
            "type": "string"
          },
          "version": {
            "description": "version",
            "type": "number"
          },
          "num_byte_range_locks": {
            "description": "num_byte_range_locks",
            "type": "number"
          },
          "access_mask": {
            "description": "access_mask",
            "type": "array",
            "items": {
              "type": "string",
              "enum": [
                "MS_ACCESS_FILE_READ_DATA",
                "MS_ACCESS_FILE_WRITE_DATA",
                "MS_ACCESS_FILE_APPEND_DATA",
                "MS_ACCESS_FILE_EXECUTE",
                "MS_ACCESS_FILE_LIST_DIRECTORY",
                "MS_ACCESS_FILE_ADD_FILE",
                "MS_ACCESS_FILE_ADD_SUBDIRECTORY",
                "MS_ACCESS_FILE_TRAVERSE",
                "MS_ACCESS_FILE_READ_EA",
                "MS_ACCESS_FILE_WRITE_EA",
                "MS_ACCESS_FILE_DELETE_CHILD",
                "MS_ACCESS_FILE_READ_ATTRIBUTES",
                "MS_ACCESS_FILE_WRITE_ATTRIBUTES",
                "MS_ACCESS_OBJECT_SPECIFIC_9",
              ]
            }
          }
        }
      }
    }
  }
}

```

```

"MS_ACCESS_OBJECT_SPECIFIC_10",
"MS_ACCESS_OBJECT_SPECIFIC_11",
"MS_ACCESS_OBJECT_SPECIFIC_12",
"MS_ACCESS_OBJECT_SPECIFIC_13",
"MS_ACCESS_OBJECT_SPECIFIC_14",
"MS_ACCESS_OBJECT_SPECIFIC_15",
"MS_ACCESS_DELETE",
"MS_ACCESS_READ_CONTROL",
"MS_ACCESS_WRITE_DAC",
"MS_ACCESS_WRITE_OWNER",
"MS_ACCESS_SYNCHRONIZE",
"MS_ACCESS_SYSTEM_SECURITY",
"MS_ACCESS_MAXIMUM_ALLOWED",
"MS_ACCESS_GENERIC_ALL",
"MS_ACCESS_GENERIC_EXECUTE",
"MS_ACCESS_GENERIC_WRITE",
"MS_ACCESS_GENERIC_READ",
"MS_ACCESS_FILE_ALL"
],
"description": "access_mask:\n * `MS_ACCESS_DELETE` - MS_ACCESS_DELET
E,\n * `MS_ACCESS_FILE_ADD_FILE` - MS_ACCESS_FILE_ADD_FILE,\n * `MS_ACCESS_FILE_AD
D_SUBDIRECTORY` - MS_ACCESS_FILE_ADD_SUBDIRECTORY,\n * `MS_ACCESS_FILE_ALL` - MS_ACC
ESS_FILE_ALL,\n * `MS_ACCESS_FILE_APPEND_DATA` - MS_ACCESS_FILE_APPEND_DATA,\n * `M
S_ACCESS_FILE_DELETE_CHILD` - MS_ACCESS_FILE_DELETE_CHILD,\n * `MS_ACCESS_FILE_EXECU
TE` - MS_ACCESS_FILE_EXECUTE,\n * `MS_ACCESS_FILE_LIST_DIRECTORY` - MS_ACCESS_FILE_L
IST_DIRECTORY,\n * `MS_ACCESS_FILE_READ_ATTRIBUTES` - MS_ACCESS_FILE_READ_ATTRIBUTE
S,\n * `MS_ACCESS_FILE_READ_DATA` - MS_ACCESS_FILE_READ_DATA,\n * `MS_ACCESS_FILE_RE
AD_EA` - MS_ACCESS_FILE_READ_EA,\n * `MS_ACCESS_FILE_TRAVERSE` - MS_ACCESS_FILE_TRAV
ERSE,\n * `MS_ACCESS_FILE_WRITE_ATTRIBUTES` - MS_ACCESS_FILE_WRITE_ATTRIBUTES,\n *
`MS_ACCESS_FILE_WRITE_DATA` - MS_ACCESS_FILE_WRITE_DATA,\n * `MS_ACCESS_FILE_WRITE_E
A` - MS_ACCESS_FILE_WRITE_EA,\n * `MS_ACCESS_GENERIC_ALL` - MS_ACCESS_GENERIC_AL
L,\n * `MS_ACCESS_GENERIC_EXECUTE` - MS_ACCESS_GENERIC_EXECUTE,\n * `MS_ACCESS_GENER
IC_READ` - MS_ACCESS_GENERIC_READ,\n * `MS_ACCESS_GENERIC_WRITE` - MS_ACCESS_GENERI
C_WRITE,\n * `MS_ACCESS_MAXIMUM_ALLOWED` - MS_ACCESS_MAXIMUM_ALLOWED,\n * `MS_ACCES
S_OBJECT_SPECIFIC_10` - MS_ACCESS_OBJECT_SPECIFIC_10,\n * `MS_ACCESS_OBJECT_SPECIFI
C_11` - MS_ACCESS_OBJECT_SPECIFIC_11,\n * `MS_ACCESS_OBJECT_SPECIFIC_12` - MS_ACCES
S_OBJECT_SPECIFIC_12,\n * `MS_ACCESS_OBJECT_SPECIFIC_13` - MS_ACCESS_OBJECT_SPECIFI
C_13,\n * `MS_ACCESS_OBJECT_SPECIFIC_14` - MS_ACCESS_OBJECT_SPECIFIC_14,\n * `MS_ACC
ESS_OBJECT_SPECIFIC_15` - MS_ACCESS_OBJECT_SPECIFIC_15,\n * `MS_ACCESS_OBJECT_SPECIF
IC_9` - MS_ACCESS_OBJECT_SPECIFIC_9,\n * `MS_ACCESS_READ_CONTROL` - MS_ACCESS_READ_C
ONTROL,\n * `MS_ACCESS_SYNCHRONIZE` - MS_ACCESS_SYNCHRONIZE,\n * `MS_ACCESS_SYSTEM_S
ECURITY` - MS_ACCESS_SYSTEM_SECURITY,\n * `MS_ACCESS_WRITE_DAC` - MS_ACCESS_WRITE_DA
C,\n * `MS_ACCESS_WRITE_OWNER` - MS_ACCESS_WRITE_OWNER"
}
},
"owner": {

```



```
    "description": "owner",
    "type": "string"
  },
  "path": {
    "description": "path",
    "type": "string"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "type": "array",
  "items": {
    "description": "api_smb2_file_close_result",
    "type": "object",
    "properties": {
      "error_message": {
        "description": "error_message",
        "type": "string"
      }
    }
  }
}
```

# smb/sessions/

## Endpoint

`/v1/smb/sessions/`

## GET

Enumerate open sessions

### Parameters

Name	Description	Required
<code>identity</code>	List only sessions matching a user identity in the form of: [1] A name or a SID optionally qualified with a domain prefix (e.g local:name, S-1-1-0, name, world:Everyone, ldap_user:name, or ad:name), or [2] An ID type (e.g. uid:1001, auth_id:513, SID:S-1-1-0.)	No
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_sessions_get_response",
  "type": "object",
  "properties": {
    "session_infos": {
      "type": "array",
      "items": {
        "description": "session_infos",
        "type": "object",
        "properties": {
          "location": {
            "description": "location",
            "type": "string"
          },
          "tenant_id": {
            "description": "tenant_id",
            "type": "number"
          },
          "originator": {
            "description": "originator",
            "type": "string"
          },
          "server_address": {
            "description": "server_address",
            "type": "string"
          },
          "user": {
            "description": "user",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",
                  "POSIX_USER",
                  "POSIX_GROUP",
                  "ACTIVE_DIRECTORY",
                  "API_INVALID_DOMAIN",
                  "API_RESERVED_DOMAIN",
                  "API_INTERNAL_DOMAIN",
                  "API_OPERATOR_DOMAIN",
                  "API_CREATOR_DOMAIN"
                ]
              },
              "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR

```

```

Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
  },
  "uid": {
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"num_opens": {
  "description": "num_opens",
  "type": "number"
},
"time_open": {
  "description": "time_open",
  "type": "object",
  "properties": {
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  }
}
},
"time_idle": {
  "description": "time_idle",
  "type": "object",
  "properties": {

```

```
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  },
  "is_guest": {
    "description": "is_guest",
    "type": "boolean"
  },
  "is_encrypted": {
    "description": "is_encrypted",
    "type": "boolean"
  },
  "share_names": {
    "type": "array",
    "items": {
      "description": "share_names",
      "type": "string"
    }
  }
}
}
```

# smb/sessions/close

## Endpoint

`/v1/smb/sessions/close`

## POST

The request body must contain a list of sessions to close, as returned from GET `/v1/smb/sessions`.

## Parameters

This resource has no parameters.

Request  
Schema



```

{
  "type": "array",
  "items": {
    "description": "api_smb_session_info",
    "type": "object",
    "properties": {
      "location": {
        "description": "location",
        "type": "string"
      },
      "tenant_id": {
        "description": "tenant_id",
        "type": "number"
      },
      "originator": {
        "description": "originator",
        "type": "string"
      },
      "server_address": {
        "description": "server_address",
        "type": "string"
      },
      "user": {
        "description": "user",
        "type": "object",
        "properties": {
          "domain": {
            "type": "string",
            "enum": [
              "LOCAL",
              "API_NULL_DOMAIN",
              "WORLD",
              "POSIX_USER",
              "POSIX_GROUP",
              "ACTIVE_DIRECTORY",
              "API_INVALID_DOMAIN",
              "API_RESERVED_DOMAIN",
              "API_INTERNAL_DOMAIN",
              "API_OPERATOR_DOMAIN",
              "API_CREATOR_DOMAIN"
            ],
            "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n *
`API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNA
L_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - AP
I_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DO
MAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROU

```

```

P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
  },
  "auth_id": {
    "description": "auth_id",
    "type": "string"
  },
  "uid": {
    "description": "uid",
    "type": "number"
  },
  "gid": {
    "description": "gid",
    "type": "number"
  },
  "sid": {
    "description": "sid",
    "type": "string"
  },
  "name": {
    "description": "name",
    "type": "string"
  }
}
},
"num_opens": {
  "description": "num_opens",
  "type": "number"
},
"time_open": {
  "description": "time_open",
  "type": "object",
  "properties": {
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  }
},
"time_idle": {
  "description": "time_idle",
  "type": "object",
  "properties": {
    "nanoseconds": {
      "description": "nanoseconds",
      "type": "string"
    }
  }
}
}

```

```

    }
  },
  "is_guest": {
    "description": "is_guest",
    "type": "boolean"
  },
  "is_encrypted": {
    "description": "is_encrypted",
    "type": "boolean"
  },
  "share_names": {
    "type": "array",
    "items": {
      "description": "share_names",
      "type": "string"
    }
  }
}
}
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```

{
  "type": "array",
  "items": {
    "description": "api_smb2_session_close_result",
    "type": "object",
    "properties": {
      "error_message": {
        "description": "error_message",
        "type": "string"
      }
    }
  }
}
}
}

```

# smb/settings

## Endpoint

`/v1/smb/settings`

## GET

Get settings for the SMB Server.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```

    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
}

```

## PUT

Set settings for the SMB Server.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

Request  
Schema



```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```
    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.:\\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```

    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
}

```

## PATCH

Partially set settings for the SMB Server.

### Parameters

Name	Description	Required
If-Match	Etag for expected version	No

Request  
Schema

```

{
  "description": "api_smb_settings_patch",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```
    ],
    "description": "Whether the special .snapshot directory should be visible or a
ccessible.:\\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
  },
  "bypass_traverse_checking": {
    "description": "Skip directory traversal checking for all users.",
    "type": "boolean"
  },
  "signing_required": {
    "description": "Requires messages from non-guest users to be signed.",
    "type": "boolean"
  }
}
}
```

## Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_smb_settings",
  "type": "object",
  "properties": {
    "session_encryption": {
      "type": "string",
      "enum": [
        "NONE",
        "PREFERRED",
        "REQUIRED"
      ],
      "description": "Session-level encryption setting.:\\n * `NONE` - SMB_SESSION_ENCRYPTION_SETTING_NONE,\\n * `PREFERRED` - SMB_SESSION_ENCRYPTION_SETTING_PREFERRED,\\n * `REQUIRED` - SMB_SESSION_ENCRYPTION_SETTING_REQUIRED"
    },
    "supported_dialects": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SMB2_DIALECT_2_002",
          "SMB2_DIALECT_2_1",
          "SMB2_DIALECT_3_0",
          "SMB2_DIALECT_3_11"
        ],
        "description": "supported_dialects:\\n * `SMB2_DIALECT_2_002` - API_SMB2_DIALECT_2_002,\\n * `SMB2_DIALECT_2_1` - API_SMB2_DIALECT_2_1,\\n * `SMB2_DIALECT_3_0` - API_SMB2_DIALECT_3_0,\\n * `SMB2_DIALECT_3_11` - API_SMB2_DIALECT_3_11"
      }
    },
    "hide_shares_from_unauthorized_users": {
      "description": "If share permissions deny a logged in user access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "hide_shares_from_unauthorized_hosts": {
      "description": "If share permissions deny a connected host access to a share, that share will not be visible in the share listing.",
      "type": "boolean"
    },
    "snapshot_directory_mode": {
      "type": "string",
      "enum": [
        "VISIBLE",
        "HIDDEN",
        "DISABLED"
      ]
    }
  }
}

```

```
],
  "description": "Whether the special .snapshot directory should be visible or a
ccessible.\n * `DISABLED` - SNAPSHOT_METADIR_DISABLED,\n * `HIDDEN` - SNAPSHOT_META
DIR_HIDDEN,\n * `VISIBLE` - SNAPSHOT_METADIR_VISIBLE"
},
"bypass_traverse_checking": {
  "description": "Skip directory traversal checking for all users.",
  "type": "boolean"
},
"signing_required": {
  "description": "Requires messages from non-guest users to be signed.",
  "type": "boolean"
}
}
}
```

# smb/shares/

## Endpoint

`/v1/smb/shares/`

## GET

List all SMB shares. Refer to the 'Modify SMB share' method for a description of the returned fields.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "type": "array",
  "items": {
    "description": "api_smb_share",
    "type": "object",
    "properties": {
      "id": {
        "description": "The unique ID of the SMB share",
        "type": "string"
      },
      "share_name": {
        "description": "The SMB share name",
        "type": "string"
      },
      "fs_path": {
        "description": "The filesystem path to SMB share",
        "type": "string"
      },
      "description": {
        "description": "Description of this SMB share",
        "type": "string"
      },
      "read_only": {
        "description": "Sets the SMB share to read-only",
        "type": "boolean"
      },
      "allow_guest_access": {
        "description": "Allows guest access to this SMB share",
        "type": "boolean"
      },
      "access_based_enumeration_enabled": {
        "description": "Enable Access-based Enumeration on this SMB share",
        "type": "boolean"
      },
      "default_file_create_mode": {
        "description": "Default POSIX file create mode bits on this SMB share (octal, default 0644 if this field is empty)",
        "type": "string"
      },
      "default_directory_create_mode": {
        "description": "Default POSIX directory create mode bits on this SMB share (octal, default 0755 if this field is empty)",
        "type": "string"
      },
      "tenant_id": {
        "description": "The tenant ID of the tenant that the SMB share is a part o

```

```
f",
  "type": "number"
}
}
}
```

## POST

Add an SMB share with given options.

### Parameters

Name	Description	Required
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No

## Request

### Schema

```
{
  "description": "api_smb_share_post",
  "type": "object",
  "properties": {
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "read_only": {
      "description": "Sets the SMB share to read-only",
      "type": "boolean"
    },
    "allow_guest_access": {
      "description": "Allows guest access to this SMB share",
      "type": "boolean"
    },
    "access_based_enumeration_enabled": {
      "description": "Enable Access-based Enumeration on this SMB share",
      "type": "boolean"
    },
    "default_file_create_mode": {
      "description": "Default POSIX file create mode bits on this SMB share (octal,
      default 0644 if this field is empty)",
      "type": "string"
    },
    "default_directory_create_mode": {
      "description": "Default POSIX directory create mode bits on this SMB share (oc
      tal, default 0755 if this field is empty)",
      "type": "string"
    }
  }
}
```



## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_share",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "read_only": {
      "description": "Sets the SMB share to read-only",
      "type": "boolean"
    },
    "allow_guest_access": {
      "description": "Allows guest access to this SMB share",
      "type": "boolean"
    },
    "access_based_enumeration_enabled": {
      "description": "Enable Access-based Enumeration on this SMB share",
      "type": "boolean"
    },
    "default_file_create_mode": {
      "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
      "type": "string"
    },
    "default_directory_create_mode": {
      "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    }
  }
}

```

```
}  
}
```

# smb/shares/

## Endpoint

`/v2/smb/shares/`

## GET

List all SMB shares. Refer to the 'Modify SMB Share' method for a description of the returned fields.

### Parameters

Name	Description	Required
<code>populate-trustee-names</code>	Populate trustee names in the response. By default, trustee names are not returned.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "type": "array",
  "items": {
    "description": "api_smb_share_v2",
    "type": "object",
    "properties": {
      "id": {
        "description": "The unique ID of the SMB share",
        "type": "string"
      },
      "share_name": {
        "description": "The SMB share name",
        "type": "string"
      },
      "fs_path": {
        "description": "The filesystem path to SMB share",
        "type": "string"
      },
      "description": {
        "description": "Description of this SMB share",
        "type": "string"
      },
      "permissions": {
        "type": "array",
        "items": {
          "description": "The access control list (ACL) for this SMB share",
          "type": "object",
          "properties": {
            "type": {
              "type": "string",
              "enum": [
                "ALLOWED",
                "DENIED"
              ],
              "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
            },
            "trustee": {
              "description": "User/group to apply the permissions entry to",
              "type": "object",
              "properties": {
                "domain": {
                  "type": "string",
                  "enum": [
                    "LOCAL",

```

```

        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [

```



```

        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `AD
D_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `A
LL` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMIS
SIONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"network_permissions": {
    "type": "array",
    "items": {
        "description": "The network access control list (ACL) for this SMB share.
If not specified, the default is to allow any host.",
        "type": "object",
        "properties": {

```

```

"type": {
  "type": "string",
  "enum": [
    "ALLOWED",
    "DENIED"
  ],
  "description": "Type of permissions entry (ALLOWED or DENIED):\n * `AL
LOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - Th
e permissions entry rights are denied to the trustee"
},
"address_ranges": {
  "type": "array",
  "items": {
    "description": "IP address ranges to apply permissions to. Empty mea
ns all hosts.",
    "type": "string"
  }
},
"rights": {
  "description": "Rights pertaining to the permissions entry",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "WRITE",
      "CHANGE_PERMISSIONS",
      "ALL",
      "READ_DATA",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
      "EXECUTE",
      "MODIFY",
      "EXTEND",
      "ADD_FILE",
      "ADD_SUBDIR",
      "DELETE_CHILD",
      "SYNCHRONIZE"
    ]
  }
},

```

```

        "description": "Rights pertaining to the permissions entry:\n * `AD
D_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `A
LL` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMIS
SIONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
},
"access_based_enumeration_enabled": {
  "description": "Enable Access-based Enumeration on this SMB share",
  "type": "boolean"
},
"default_file_create_mode": {
  "description": "Default POSIX file create mode bits on this SMB share (octa
l, default 0644 if this field is empty)",
  "type": "string"
},
"default_directory_create_mode": {
  "description": "Default POSIX directory create mode bits on this SMB share
(octal, default 0755 if this field is empty)",
  "type": "string"
},
"bytes_per_sector": {
  "description": "SMB bytes per sector reported to clients. We do not support
values other than 512. If specified for put or patch, this must be 512.",
  "type": "string"
},
"require_encryption": {
  "description": "Require all traffic to this share to be encrypted. Clients w
ithout encryption capabilities will not be able to connect. Default is false if thi
s field is empty.",
  "type": "boolean"
},
"tenant_id": {
  "description": "The tenant ID of the tenant that the SMB share is a part o
f",
  "type": "number"
}

```

```
}  
  }  
}
```

## POST

Add an SMB share with given options.

### Parameters

Name	Description	Required
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No

Request  
Schema

```

{
  "description": "api_smb_share_post_v2",
  "type": "object",
  "properties": {
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
          },
          "trustee": {
            "description": "User/group to apply the permissions entry to",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",
                  "POSIX_USER",
                  "POSIX_GROUP",
                  "ACTIVE_DIRECTORY",
                  "API_INVALID_DOMAIN",
                ]
              }
            }
          }
        }
      }
    }
  }
}

```

```

        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",
            "CHANGE_PERMISSIONS",
            "ALL",
            "READ_DATA",
            "READ_EA",

```

```

        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"network_permissions": {
    "type": "array",
    "items": {
        "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",
        "type": "object",
        "properties": {
            "type": {
                "type": "string",
                "enum": [
                    "ALLOWED",
                    "DENIED"
                ]
            },

```



```

    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
  },
  "address_ranges": {
    "type": "array",
    "items": {
      "description": "IP address ranges to apply permissions to. Empty means all hosts.",
      "type": "string"
    }
  },
  "rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
      ]
    },
    "description": "Rights pertaining to the permissions entry:\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `ALL` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISSIONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete access,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute access,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n"
  }
}

```

```

* `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"access_based_enumeration_enabled": {
  "description": "Enable Access-based Enumeration on this SMB share",
  "type": "boolean"
},
"default_file_create_mode": {
  "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
  "type": "string"
},
"default_directory_create_mode": {
  "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
  "type": "string"
},
"bytes_per_sector": {
  "description": "SMB bytes per sector reported to clients. We do not support va
lues other than 512. If specified, this must be 512.",
  "type": "string"
},
"require_encryption": {
  "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
  "type": "boolean"
}
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_share_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
          },
          "trustee": {
            "description": "User/group to apply the permissions entry to",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",

```

```

        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",

```

```

        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"network_permissions": {
    "type": "array",
    "items": {
        "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",
        "type": "object",
        "properties": {
            "type": {
                "type": "string",

```

```

    "enum": [
        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
},
"address_ranges": {
    "type": "array",
    "items": {
        "description": "IP address ranges to apply permissions to. Empty means all hosts.",
        "type": "string"
    }
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",
            "CHANGE_PERMISSIONS",
            "ALL",
            "READ_DATA",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE"
        ]
    },
    "description": "Rights pertaining to the permissions entry:\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL

```

```

L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"access_based_enumeration_enabled": {
  "description": "Enable Access-based Enumeration on this SMB share",
  "type": "boolean"
},
"default_file_create_mode": {
  "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
  "type": "string"
},
"default_directory_create_mode": {
  "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
  "type": "string"
},
"bytes_per_sector": {
  "description": "SMB bytes per sector reported to clients. We do not support va
lues other than 512. If specified for put or patch, this must be 512.",
  "type": "string"
},
"require_encryption": {
  "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
  "type": "boolean"
},
"tenant_id": {
  "description": "The tenant ID of the tenant that the SMB share is a part of",
  "type": "number"
}
}
}
}

```



# smb/shares/

## Endpoint

`/v3/smb/shares/`

## GET

List all SMB shares. Refer to the 'Modify SMB Share' method for a description of the returned fields.

### Parameters

Name	Description	Required
<code>populate-trustee-names</code>	Populate trustee names in the response. By default, trustee names are not returned.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_shares_v3",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of SMB shares",
        "type": "object",
        "properties": {
          "id": {
            "description": "The unique ID of the SMB share",
            "type": "string"
          },
          "share_name": {
            "description": "The SMB share name",
            "type": "string"
          },
          "tenant_id": {
            "description": "The tenant ID of the tenant that the SMB share is a part of",
            "type": "number"
          },
          "fs_path": {
            "description": "The filesystem path to SMB share",
            "type": "string"
          },
          "description": {
            "description": "Description of this SMB share",
            "type": "string"
          },
          "permissions": {
            "type": "array",
            "items": {
              "description": "The access control list (ACL) for this SMB share",
              "type": "object",
              "properties": {
                "type": {
                  "type": "string",
                  "enum": [
                    "ALLOWED",
                    "DENIED"
                  ],
                  "description": "Type of permissions entry (ALLOWED or DENIED):\n
* `ALLOWED` - The permissions entry rights are allowed to the trustee,\n
* `DENIED` - The permissions entry rights are denied to the trustee"
                }
              }
            }
          }
        }
      }
    }
  }
}

```

```

},
"trustee": {
  "description": "User/group to apply the permissions entry to",
  "type": "object",
  "properties": {
    "domain": {
      "type": "string",
      "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
      ],
      "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECT
ORY,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - AP
I_INTERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMA
IN` - API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RES
ERVED_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSI
X_GROUP,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
      "description": "auth_id",
      "type": "string"
    },
    "uid": {
      "description": "uid",
      "type": "number"
    },
    "gid": {
      "description": "gid",
      "type": "number"
    },
    "sid": {
      "description": "sid",
      "type": "string"
    },
    "name": {
      "description": "name",
      "type": "string"
    }
  }
}

```

```

    }
  }
},
"rights": {
  "description": "Rights pertaining to the permissions entry",
  "type": "array",
  "items": {
    "type": "string",
    "enum": [
      "READ",
      "WRITE",
      "CHANGE_PERMISSIONS",
      "ALL",
      "READ_DATA",
      "READ_EA",
      "READ_ATTR",
      "READ_ACL",
      "WRITE_EA",
      "WRITE_ATTR",
      "WRITE_ACL",
      "CHANGE_OWNER",
      "WRITE_GROUP",
      "DELETE",
      "EXECUTE",
      "MODIFY",
      "EXTEND",
      "ADD_FILE",
      "ADD_SUBDIR",
      "DELETE_CHILD",
      "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n *
`ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n
* `ALL` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_P
ERMISSIONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acc
ess,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification acces
s,\n * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATT
R` - Attribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Exte
nded attribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRIT
E` - Write access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Att
ribute write access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GR
OUP` - Group write access"
  }
}
}
}

```

```

    }
  },
  "network_permissions": {
    "type": "array",
    "items": {
      "description": "The network access control list (ACL) for this SMB share. If not specified, the default is to allow any host.",
      "type": "object",
      "properties": {
        "type": {
          "type": "string",
          "enum": [
            "ALLOWED",
            "DENIED"
          ],
          "description": "Type of permissions entry (ALLOWED or DENIED):\n
* `ALLOWED` - The permissions entry rights are allowed to the trustee,\n
* `DENIED` - The permissions entry rights are denied to the trustee"
        },
        "address_ranges": {
          "type": "array",
          "items": {
            "description": "IP address ranges to apply permissions to. Empty means all hosts.",
            "type": "string"
          }
        },
        "rights": {
          "description": "Rights pertaining to the permissions entry",
          "type": "array",
          "items": {
            "type": "string",
            "enum": [
              "READ",
              "WRITE",
              "CHANGE_PERMISSIONS",
              "ALL",
              "READ_DATA",
              "READ_EA",
              "READ_ATTR",
              "READ_ACL",
              "WRITE_EA",
              "WRITE_ATTR",
              "WRITE_ACL",
              "CHANGE_OWNER",
              "WRITE_GROUP",
            ]
          }
        }
      }
    }
  }
}

```

```

        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n *
`ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n
* `ALL` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_P
ERMISSIONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acc
ess,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acce
ss,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification acces
s,\n * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATT
R` - Attribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Exte
nded attribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRIT
E` - Write access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Att
ribute write access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GR
OUP` - Group write access"
    }
}
}
},
"access_based_enumeration_enabled": {
    "description": "Enable Access-based Enumeration on this SMB share",
    "type": "boolean"
},
"default_file_create_mode": {
    "description": "Default POSIX file create mode bits on this SMB share (o
ctal, default 0644 if this field is empty)",
    "type": "string"
},
"default_directory_create_mode": {
    "description": "Default POSIX directory create mode bits on this SMB sha
re (octal, default 0755 if this field is empty)",
    "type": "string"
},
"require_encryption": {
    "description": "Require all traffic to this share to be encrypted. Clie
nts without encryption capabilities will not be able to connect. Default is false if
this field is empty.",
    "type": "boolean"
}
}

```

```
}  
  }  
  }  
}
```

## POST

Add an SMB share with given options.

### Parameters

Name	Description	Required
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No



Request  
Schema

```

{
  "description": "api_smb_share_post_v3",
  "type": "object",
  "properties": {
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
          },
          "trustee": {
            "description": "User/group to apply the permissions entry to",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",

```

```

        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",

```

```

        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"network_permissions": {
    "type": "array",
    "items": {
        "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",
        "type": "object",
        "properties": {
            "type": {
                "type": "string",

```

```

    "enum": [
        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
},
"address_ranges": {
    "type": "array",
    "items": {
        "description": "IP address ranges to apply permissions to. Empty means all hosts.",
        "type": "string"
    }
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",
            "CHANGE_PERMISSIONS",
            "ALL",
            "READ_DATA",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE"
        ]
    },
    "description": "Rights pertaining to the permissions entry:\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL

```

```

L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"access_based_enumeration_enabled": {
  "description": "Enable Access-based Enumeration on this SMB share",
  "type": "boolean"
},
"default_file_create_mode": {
  "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
  "type": "string"
},
"default_directory_create_mode": {
  "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
  "type": "string"
},
"require_encryption": {
  "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
  "type": "boolean"
}
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_share_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ]
          },
          "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
        }
      },
      "trustee": {
        "description": "User/group to apply the permissions entry to",
        "type": "object",
        "properties": {
          "domain": {
            "type": "string",

```



```

    "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {

```

```

    "type": "string",
    "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"network_permissions": {
  "type": "array",
  "items": {
    "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",

```

```

"type": "object",
"properties": {
  "type": {
    "type": "string",
    "enum": [
      "ALLOWED",
      "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
  },
  "address_ranges": {
    "type": "array",
    "items": {
      "description": "IP address ranges to apply permissions to. Empty means all hosts.",
      "type": "string"
    }
  },
  "rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",

```

```

        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"access_based_enumeration_enabled": {
    "description": "Enable Access-based Enumeration on this SMB share",
    "type": "boolean"
},
"default_file_create_mode": {
    "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
    "type": "string"
},
"default_directory_create_mode": {
    "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
    "type": "string"
},
"require_encryption": {
    "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
    "type": "boolean"
}
}
}
}

```

# smb/shares/{id}

## Endpoint

`/v1/smb/shares/{id}`

## GET

Retrieve the specified SMB share. Refer to the 'Modify SMB share' method for a description of the returned fields.

### Parameters

Name	Description	Required
<code>id</code>	The unique ID of the SMB share	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_share",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "read_only": {
      "description": "Sets the SMB share to read-only",
      "type": "boolean"
    },
    "allow_guest_access": {
      "description": "Allows guest access to this SMB share",
      "type": "boolean"
    },
    "access_based_enumeration_enabled": {
      "description": "Enable Access-based Enumeration on this SMB share",
      "type": "boolean"
    },
    "default_file_create_mode": {
      "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
      "type": "string"
    },
    "default_directory_create_mode": {
      "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    }
  }
}

```

```
}  
}
```

## PUT

Modify an SMB share's options.

### Parameters

Name	Description	Required
<code>id</code>	The unique ID of the SMB share	Yes
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No
<code>If-Match</code>	ETag for expected version	No



Request  
Schema

```

{
  "description": "api_smb_share",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "read_only": {
      "description": "Sets the SMB share to read-only",
      "type": "boolean"
    },
    "allow_guest_access": {
      "description": "Allows guest access to this SMB share",
      "type": "boolean"
    },
    "access_based_enumeration_enabled": {
      "description": "Enable Access-based Enumeration on this SMB share",
      "type": "boolean"
    },
    "default_file_create_mode": {
      "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
      "type": "string"
    },
    "default_directory_create_mode": {
      "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    }
  }
}

```

```
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_share",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "read_only": {
      "description": "Sets the SMB share to read-only",
      "type": "boolean"
    },
    "allow_guest_access": {
      "description": "Allows guest access to this SMB share",
      "type": "boolean"
    },
    "access_based_enumeration_enabled": {
      "description": "Enable Access-based Enumeration on this SMB share",
      "type": "boolean"
    },
    "default_file_create_mode": {
      "description": "Default POSIX file create mode bits on this SMB share (octal, default 0644 if this field is empty)",
      "type": "string"
    },
    "default_directory_create_mode": {
      "description": "Default POSIX directory create mode bits on this SMB share (octal, default 0755 if this field is empty)",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    }
  }
}

```

```
}  
}
```

## DELETE

Delete an SMB share. Not undoable.

### Parameters

Name	Description	Required
<b>id</b>	The unique ID of the SMB share	Yes
<b>If-Match</b>	ETag for expected version	No

### Response

#### Codes

Code	Description
200	Return value on success

# smb/shares/{ref}

## Endpoint

`/v2/smb/shares/{ref}`

## GET

Retrieve the specified SMB share. Refer to the 'Modify SMB Share' method for a description of the returned fields.

### Parameters

Name	Description	Required
<code>ref</code>	A unique identifier of the SMB share, either share ID or name	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_smb_share_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
          },
          "trustee": {
            "description": "User/group to apply the permissions entry to",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",

```

```

        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",

```

```

        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"network_permissions": {
    "type": "array",
    "items": {
        "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",
        "type": "object",
        "properties": {
            "type": {
                "type": "string",

```

```

    "enum": [
        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
},
"address_ranges": {
    "type": "array",
    "items": {
        "description": "IP address ranges to apply permissions to. Empty means all hosts.",
        "type": "string"
    }
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",
            "CHANGE_PERMISSIONS",
            "ALL",
            "READ_DATA",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE"
        ]
    },
    "description": "Rights pertaining to the permissions entry:\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL

```

```

L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"access_based_enumeration_enabled": {
  "description": "Enable Access-based Enumeration on this SMB share",
  "type": "boolean"
},
"default_file_create_mode": {
  "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
  "type": "string"
},
"default_directory_create_mode": {
  "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
  "type": "string"
},
"bytes_per_sector": {
  "description": "SMB bytes per sector reported to clients. We do not support va
lues other than 512. If specified for put or patch, this must be 512.",
  "type": "string"
},
"require_encryption": {
  "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
  "type": "boolean"
},
"tenant_id": {
  "description": "The tenant ID of the tenant that the SMB share is a part of",
  "type": "number"
}
}
}
}

```

## PUT

Modify an SMB share's options.

### Parameters

Name	Description	Required
<code>ref</code>	A unique identifier of the SMB share, either share ID or name	Yes
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_smb_share_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
          },
          "trustee": {
            "description": "User/group to apply the permissions entry to",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",

```



```

        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",

```

```

        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"network_permissions": {
  "type": "array",
  "items": {
    "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",
    "type": "object",
    "properties": {
      "type": {
        "type": "string",

```

```

    "enum": [
        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
},
"address_ranges": {
    "type": "array",
    "items": {
        "description": "IP address ranges to apply permissions to. Empty means all hosts.",
        "type": "string"
    }
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",
            "CHANGE_PERMISSIONS",
            "ALL",
            "READ_DATA",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE"
        ]
    },
    "description": "Rights pertaining to the permissions entry:\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL

```

```

L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"access_based_enumeration_enabled": {
  "description": "Enable Access-based Enumeration on this SMB share",
  "type": "boolean"
},
"default_file_create_mode": {
  "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
  "type": "string"
},
"default_directory_create_mode": {
  "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
  "type": "string"
},
"bytes_per_sector": {
  "description": "SMB bytes per sector reported to clients. We do not support va
lues other than 512. If specified for put or patch, this must be 512.",
  "type": "string"
},
"require_encryption": {
  "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
  "type": "boolean"
},
"tenant_id": {
  "description": "The tenant ID of the tenant that the SMB share is a part of",
  "type": "number"
}
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_share_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
          },
          "trustee": {
            "description": "User/group to apply the permissions entry to",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",

```

```

        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",

```



```

        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"network_permissions": {
    "type": "array",
    "items": {
        "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",
        "type": "object",
        "properties": {
            "type": {
                "type": "string",

```

```

    "enum": [
        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
},
"address_ranges": {
    "type": "array",
    "items": {
        "description": "IP address ranges to apply permissions to. Empty means all hosts.",
        "type": "string"
    }
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",
            "CHANGE_PERMISSIONS",
            "ALL",
            "READ_DATA",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE"
        ]
    },
    "description": "Rights pertaining to the permissions entry:\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL

```

```

L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"access_based_enumeration_enabled": {
  "description": "Enable Access-based Enumeration on this SMB share",
  "type": "boolean"
},
"default_file_create_mode": {
  "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
  "type": "string"
},
"default_directory_create_mode": {
  "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
  "type": "string"
},
"bytes_per_sector": {
  "description": "SMB bytes per sector reported to clients. We do not support va
lues other than 512. If specified for put or patch, this must be 512.",
  "type": "string"
},
"require_encryption": {
  "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
  "type": "boolean"
},
"tenant_id": {
  "description": "The tenant ID of the tenant that the SMB share is a part of",
  "type": "number"
}
}
}
}

```

## DELETE

Delete an SMB share. Not undoable.

### Parameters

Name	Description	Required
<code>ref</code>	A unique identifier of the SMB share, either share ID or name	Yes
<code>If-Match</code>	ETag for expected version	No

### Response

#### Codes

Code	Description
200	Return value on success

## PATCH

Modify select fields in an SMB share.

### Parameters

Name	Description	Required
<code>ref</code>	A unique identifier of the SMB share, either share ID or name	Yes
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_smb_share_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
          },
          "trustee": {
            "description": "User/group to apply the permissions entry to",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",

```

```

        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",

```

```

        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"network_permissions": {
    "type": "array",
    "items": {
        "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",
        "type": "object",
        "properties": {
            "type": {
                "type": "string",

```



```

    "enum": [
        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
},
"address_ranges": {
    "type": "array",
    "items": {
        "description": "IP address ranges to apply permissions to. Empty means all hosts.",
        "type": "string"
    }
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",
            "CHANGE_PERMISSIONS",
            "ALL",
            "READ_DATA",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE"
        ]
    },
    "description": "Rights pertaining to the permissions entry:\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL

```

```

L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"access_based_enumeration_enabled": {
  "description": "Enable Access-based Enumeration on this SMB share",
  "type": "boolean"
},
"default_file_create_mode": {
  "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
  "type": "string"
},
"default_directory_create_mode": {
  "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
  "type": "string"
},
"bytes_per_sector": {
  "description": "SMB bytes per sector reported to clients. We do not support va
lues other than 512. If specified for put or patch, this must be 512.",
  "type": "string"
},
"require_encryption": {
  "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
  "type": "boolean"
},
"tenant_id": {
  "description": "The tenant ID of the tenant that the SMB share is a part of",
  "type": "number"
}
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_share_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
          },
          "trustee": {
            "description": "User/group to apply the permissions entry to",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",
                "enum": [
                  "LOCAL",
                  "API_NULL_DOMAIN",
                  "WORLD",

```

```

        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",

```

```

        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"network_permissions": {
    "type": "array",
    "items": {
        "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",
        "type": "object",
        "properties": {
            "type": {
                "type": "string",

```

```

    "enum": [
        "ALLOWED",
        "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
},
"address_ranges": {
    "type": "array",
    "items": {
        "description": "IP address ranges to apply permissions to. Empty means all hosts.",
        "type": "string"
    }
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "READ",
            "WRITE",
            "CHANGE_PERMISSIONS",
            "ALL",
            "READ_DATA",
            "READ_EA",
            "READ_ATTR",
            "READ_ACL",
            "WRITE_EA",
            "WRITE_ATTR",
            "WRITE_ACL",
            "CHANGE_OWNER",
            "WRITE_GROUP",
            "DELETE",
            "EXECUTE",
            "MODIFY",
            "EXTEND",
            "ADD_FILE",
            "ADD_SUBDIR",
            "DELETE_CHILD",
            "SYNCHRONIZE"
        ]
    },
    "description": "Rights pertaining to the permissions entry:\n * `ADD_FILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL

```



```

L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"access_based_enumeration_enabled": {
  "description": "Enable Access-based Enumeration on this SMB share",
  "type": "boolean"
},
"default_file_create_mode": {
  "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
  "type": "string"
},
"default_directory_create_mode": {
  "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
  "type": "string"
},
"bytes_per_sector": {
  "description": "SMB bytes per sector reported to clients. We do not support va
lues other than 512. If specified for put or patch, this must be 512.",
  "type": "string"
},
"require_encryption": {
  "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
  "type": "boolean"
},
"tenant_id": {
  "description": "The tenant ID of the tenant that the SMB share is a part of",
  "type": "number"
}
}
}
}

```

# smb/shares/{share\_id}

## Endpoint

`/v3/smb/shares/{share_id}`

## GET

Retrieve the specified SMB share. Refer to the 'Modify SMB Share' method for a description of the returned fields.

### Parameters

Name	Description	Required
<code>share_id</code>	The unique ID of the SMB share.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_share_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ]
          },
          "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
        }
      },
      "trustee": {
        "description": "User/group to apply the permissions entry to",
        "type": "object",
        "properties": {
          "domain": {
            "type": "string",

```

```

    "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {

```

```

    "type": "string",
    "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"network_permissions": {
  "type": "array",
  "items": {
    "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",

```

```

"type": "object",
"properties": {
  "type": {
    "type": "string",
    "enum": [
      "ALLOWED",
      "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
  },
  "address_ranges": {
    "type": "array",
    "items": {
      "description": "IP address ranges to apply permissions to. Empty means all hosts.",
      "type": "string"
    }
  },
  "rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",

```

```

        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"access_based_enumeration_enabled": {
    "description": "Enable Access-based Enumeration on this SMB share",
    "type": "boolean"
},
"default_file_create_mode": {
    "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
    "type": "string"
},
"default_directory_create_mode": {
    "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
    "type": "string"
},
"require_encryption": {
    "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
    "type": "boolean"
}
}
}
}

```

## PUT

Modify an SMB share's options.



## Parameters

Name	Description	Required
<code>share_id</code>	The unique ID of the SMB share.	Yes
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_smb_share_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ],
            "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
          },
          "trustee": {
            "description": "User/group to apply the permissions entry to",
            "type": "object",
            "properties": {
              "domain": {
                "type": "string",

```

```

    "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {

```

```

    "type": "string",
    "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"network_permissions": {
  "type": "array",
  "items": {
    "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",

```

```

"type": "object",
"properties": {
  "type": {
    "type": "string",
    "enum": [
      "ALLOWED",
      "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
  },
  "address_ranges": {
    "type": "array",
    "items": {
      "description": "IP address ranges to apply permissions to. Empty means all hosts.",
      "type": "string"
    }
  },
  "rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",

```

```

        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"access_based_enumeration_enabled": {
    "description": "Enable Access-based Enumeration on this SMB share",
    "type": "boolean"
},
"default_file_create_mode": {
    "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
    "type": "string"
},
"default_directory_create_mode": {
    "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
    "type": "string"
},
"require_encryption": {
    "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
    "type": "boolean"
}
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_smb_share_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ]
          },
          "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
        }
      },
      "trustee": {
        "description": "User/group to apply the permissions entry to",
        "type": "object",
        "properties": {
          "domain": {
            "type": "string",

```

```

    "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {

```

```

    "type": "string",
    "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"network_permissions": {
  "type": "array",
  "items": {
    "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",

```

```

"type": "object",
"properties": {
  "type": {
    "type": "string",
    "enum": [
      "ALLOWED",
      "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
  },
  "address_ranges": {
    "type": "array",
    "items": {
      "description": "IP address ranges to apply permissions to. Empty means all hosts.",
      "type": "string"
    }
  },
  "rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",

```

```

        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"access_based_enumeration_enabled": {
    "description": "Enable Access-based Enumeration on this SMB share",
    "type": "boolean"
},
"default_file_create_mode": {
    "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
    "type": "string"
},
"default_directory_create_mode": {
    "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
    "type": "string"
},
"require_encryption": {
    "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
    "type": "boolean"
}
}
}
}

```

## DELETE

Delete an SMB share. Not undoable.

## Parameters

Name	Description	Required
<code>share_id</code>	The unique ID of the SMB share.	Yes
<code>If-Match</code>	ETag for expected version	No

## Response

### Codes

Code	Description
200	Return value on success

## PATCH

Modify select fields in an SMB share.

## Parameters

Name	Description	Required
<code>share_id</code>	The unique ID of the SMB share.	Yes
<code>allow-fs-path-create</code>	Specifies whether the file system path can be created if it does not already exist.	No
<code>If-Match</code>	ETag for expected version	No

Request  
Schema



```

{
  "description": "api_smb_share_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ]
          },
          "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
        }
      },
      "trustee": {
        "description": "User/group to apply the permissions entry to",
        "type": "object",
        "properties": {
          "domain": {
            "type": "string",

```

```

    "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {

```

```

    "type": "string",
    "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"network_permissions": {
  "type": "array",
  "items": {
    "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",

```

```

"type": "object",
"properties": {
  "type": {
    "type": "string",
    "enum": [
      "ALLOWED",
      "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
  },
  "address_ranges": {
    "type": "array",
    "items": {
      "description": "IP address ranges to apply permissions to. Empty means all hosts.",
      "type": "string"
    }
  },
  "rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",

```

```

        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"access_based_enumeration_enabled": {
    "description": "Enable Access-based Enumeration on this SMB share",
    "type": "boolean"
},
"default_file_create_mode": {
    "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
    "type": "string"
},
"default_directory_create_mode": {
    "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
    "type": "string"
},
"require_encryption": {
    "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
    "type": "boolean"
}
}
}
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_smb_share_v3",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique ID of the SMB share",
      "type": "string"
    },
    "share_name": {
      "description": "The SMB share name",
      "type": "string"
    },
    "tenant_id": {
      "description": "The tenant ID of the tenant that the SMB share is a part of",
      "type": "number"
    },
    "fs_path": {
      "description": "The filesystem path to SMB share",
      "type": "string"
    },
    "description": {
      "description": "Description of this SMB share",
      "type": "string"
    },
    "permissions": {
      "type": "array",
      "items": {
        "description": "The access control list (ACL) for this SMB share",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "ALLOWED",
              "DENIED"
            ]
          },
          "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
        },
        "trustee": {
          "description": "User/group to apply the permissions entry to",
          "type": "object",
          "properties": {
            "domain": {
              "type": "string",

```



```

    "enum": [
        "LOCAL",
        "API_NULL_DOMAIN",
        "WORLD",
        "POSIX_USER",
        "POSIX_GROUP",
        "ACTIVE_DIRECTORY",
        "API_INVALID_DOMAIN",
        "API_RESERVED_DOMAIN",
        "API_INTERNAL_DOMAIN",
        "API_OPERATOR_DOMAIN",
        "API_CREATOR_DOMAIN"
    ],
    "description": "domain:\n * `ACTIVE_DIRECTORY` - ACTIVE_DIRECTOR
Y,\n * `API_CREATOR_DOMAIN` - API_CREATOR_DOMAIN,\n * `API_INTERNAL_DOMAIN` - API_IN
TERNAL_DOMAIN,\n * `API_INVALID_DOMAIN` - API_INVALID_DOMAIN,\n * `API_NULL_DOMAIN`
- API_NULL_DOMAIN,\n * `API_OPERATOR_DOMAIN` - API_OPERATOR_DOMAIN,\n * `API_RESERVE
D_DOMAIN` - API_RESERVED_DOMAIN,\n * `LOCAL` - LOCAL,\n * `POSIX_GROUP` - POSIX GROU
P,\n * `POSIX_USER` - POSIX_USER,\n * `WORLD` - WORLD"
    },
    "auth_id": {
        "description": "auth_id",
        "type": "string"
    },
    "uid": {
        "description": "uid",
        "type": "number"
    },
    "gid": {
        "description": "gid",
        "type": "number"
    },
    "sid": {
        "description": "sid",
        "type": "string"
    },
    "name": {
        "description": "name",
        "type": "string"
    }
}
},
"rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {

```

```

    "type": "string",
    "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",
        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
  }
}
},
"network_permissions": {
  "type": "array",
  "items": {
    "description": "The network access control list (ACL) for this SMB share. I
f not specified, the default is to allow any host.",

```

```

"type": "object",
"properties": {
  "type": {
    "type": "string",
    "enum": [
      "ALLOWED",
      "DENIED"
    ],
    "description": "Type of permissions entry (ALLOWED or DENIED):\n * `ALLOWED` - The permissions entry rights are allowed to the trustee,\n * `DENIED` - The permissions entry rights are denied to the trustee"
  },
  "address_ranges": {
    "type": "array",
    "items": {
      "description": "IP address ranges to apply permissions to. Empty means all hosts.",
      "type": "string"
    }
  },
  "rights": {
    "description": "Rights pertaining to the permissions entry",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "READ",
        "WRITE",
        "CHANGE_PERMISSIONS",
        "ALL",
        "READ_DATA",
        "READ_EA",
        "READ_ATTR",
        "READ_ACL",
        "WRITE_EA",
        "WRITE_ATTR",
        "WRITE_ACL",
        "CHANGE_OWNER",
        "WRITE_GROUP",
        "DELETE",
        "EXECUTE",
        "MODIFY",
        "EXTEND",
        "ADD_FILE",
        "ADD_SUBDIR",
        "DELETE_CHILD",

```

```

        "SYNCHRONIZE"
    ],
    "description": "Rights pertaining to the permissions entry:\n * `ADD_F
ILE` - File creation access,\n * `ADD_SUBDIR` - Directory creation access,\n * `AL
L` - All access rights,\n * `CHANGE_OWNER` - Owner write access,\n * `CHANGE_PERMISS
IONS` - Rights to change permissions on file objects,\n * `DELETE` - Delete acces
s,\n * `DELETE_CHILD` - Delete from directory access,\n * `EXECUTE` - Execute acces
s,\n * `EXTEND` - File extension access,\n * `MODIFY` - File modification access,\n
 * `READ` - Read access rights,\n * `READ_ACL` - ACL read access,\n * `READ_ATTR` - A
ttribute read access,\n * `READ_DATA` - File read access,\n * `READ_EA` - Extended a
ttribute read access,\n * `SYNCHRONIZE` - File synchronize access,\n * `WRITE` - Wri
te access rights,\n * `WRITE_ACL` - ACL write access,\n * `WRITE_ATTR` - Attribute w
rite access,\n * `WRITE_EA` - Extended attribute write access,\n * `WRITE_GROUP` - G
roup write access"
    }
}
}
},
"access_based_enumeration_enabled": {
    "description": "Enable Access-based Enumeration on this SMB share",
    "type": "boolean"
},
"default_file_create_mode": {
    "description": "Default POSIX file create mode bits on this SMB share (octal,
default 0644 if this field is empty)",
    "type": "string"
},
"default_directory_create_mode": {
    "description": "Default POSIX directory create mode bits on this SMB share (oc
tal, default 0755 if this field is empty)",
    "type": "string"
},
"require_encryption": {
    "description": "Require all traffic to this share to be encrypted. Clients wit
hout encryption capabilities will not be able to connect. Default is false if this f
ield is empty.",
    "type": "boolean"
}
}
}
}

```

# session/change-password

## Endpoint

`/v1/session/change-password`

## POST

Change the password for the logged in user.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "description": "password_change",
  "type": "object",
  "properties": {
    "old_password": {
      "description": "The current password",
      "type": "string",
      "format": "password"
    },
    "new_password": {
      "description": "The new password",
      "type": "string",
      "format": "password"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

# session/login

## Endpoint

`/v1/session/login`

## POST

Authenticate the user. To authenticate subsequent requests, provide the bearer token from the response in the Authorization header.

## Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "login",
  "type": "object",
  "properties": {
    "username": {
      "description": "The username to authenticate with",
      "type": "string"
    },
    "password": {
      "description": "The password to authenticate with",
      "type": "string",
      "format": "password"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "credentials",
  "type": "object",
  "properties": {
    "bearer_token": {
      "description": "bearer_token",
      "type": "string"
    }
  }
}
```

# session/retrieve-saml-login

## Endpoint

`/v1/session/retrieve-saml-login`

## POST

This API resource supports the `qq sso_login` command. Check the status of the in-progress SAML single sign-on (SSO) authentication process that `start-saml-login` begins. When a user completes the authentication process, return the `bearer_token` with which a user can perform subsequent API requests. When the caller retrieves the `bearer_token`, future calls with the same `saml_login_id` return the 404 Not Found error. If authentication for `login_id` is pending, instruct the caller to check again later by returning an empty `bearer_token`. If the `login_id` has expired within the 5-minute limit, return the 401 Unauthorized error. If the caller has already retrieved the login-id, return the 404 Not Found error. If the provided verification code mismatches with the expected code, return the 400 Bad Request error.

## Parameters

This resource has no parameters.

## Request

## Schema

```
{
  "description": "saml_login_verification",
  "type": "object",
  "properties": {
    "login_id": {
      "description": "A unique, Qumulo-generated login_id associated with a SAML SSO authentication session.",
      "type": "string"
    },
    "verification_code": {
      "description": "A one-time security code that helps ensure that the SAML SSO authentication session is user-initiated.",
      "type": "string"
    }
  }
}
```



## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "credentials",
  "type": "object",
  "properties": {
    "bearer_token": {
      "description": "bearer_token",
      "type": "string"
    }
  }
}
```

# session/roles

## Endpoint

`/v1/session/roles`

## GET

Retrieve a list of all the roles assigned to the current user, including those assigned to a group to which the current user belongs.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "type": "array",
  "items": {
    "type": "string"
  }
}
```

# session/start-saml-login

## Endpoint

`/v1/session/start-saml-login`

## POST

This API resource supports the `qq sso_login` command. Begin an interactive SAML single sign-on (SSO) authentication process for the cluster. Return the `login_id` and `login_url` strings required for the user to complete the authentication process. If SSO is not enabled on the cluster, return `saml_not_configured_error`. To complete in-browser authentication, the caller must pass the `login_url` parameter to the user. The caller must use the `login_id` parameter to poll the `retrieve-saml-login` API for SAML SSO credentials until the user completes the authentication process in the browser, or until the 5-minute limit elapses.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_saml_login_info",
  "type": "object",
  "properties": {
    "login_id": {
      "description": "The unique identifier for the pending login. Use the login_id with the check-saml-login API.",
      "type": "string"
    },
    "login_url": {
      "description": "The login URL to present to the user. To complete the authentication process, the user must open the login URL in a browser.",
      "type": "string"
    }
  }
}
```

# session/who-am-i

## Endpoint

`/v1/session/who-am-i`

## GET

Retrieve information about the currently logged in user.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_user_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The user's unique id",
      "type": "string"
    },
    "name": {
      "description": "The user's account name",
      "type": "string"
    },
    "primary_group": {
      "description": "The unique ID of the user's group",
      "type": "string"
    },
    "sid": {
      "description": "The users's SID",
      "type": "string"
    },
    "uid": {
      "description": "The user's NFS uid",
      "type": "string"
    },
    "home_directory": {
      "description": "The path to the user's home directory",
      "type": "string"
    },
    "can_change_password": {
      "description": "Specifies whether the user can change the password",
      "type": "boolean"
    },
    "privileges": {
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "PRIVILEGE_AD_READ",
          "PRIVILEGE_AD_USE",
          "PRIVILEGE_AD_WRITE",
          "PRIVILEGE_ANALYTICS_READ",
          "PRIVILEGE_AUDIT_READ",
          "PRIVILEGE_AUDIT_WRITE",
          "PRIVILEGE_AUTH_CACHE_READ",
          "PRIVILEGE_AUTH_CACHE_WRITE",
          "PRIVILEGE_CLUSTER_READ",

```

"PRIVILEGE\_CLUSTER\_WRITE",  
"PRIVILEGE\_DEBUG",  
"PRIVILEGE\_DNS\_READ",  
"PRIVILEGE\_DNS\_USE",  
"PRIVILEGE\_DNS\_WRITE",  
"PRIVILEGE\_FILE\_FULL\_ACCESS",  
"PRIVILEGE\_FS\_ATTRIBUTES\_READ",  
"PRIVILEGE\_FS\_DELETE\_TREE\_READ",  
"PRIVILEGE\_FS\_DELETE\_TREE\_WRITE",  
"PRIVILEGE\_FS\_LOCK\_READ",  
"PRIVILEGE\_FS\_LOCK\_WRITE",  
"PRIVILEGE\_FS\_SETTINGS\_READ",  
"PRIVILEGE\_FS\_SETTINGS\_WRITE",  
"PRIVILEGE\_FTP\_READ",  
"PRIVILEGE\_FTP\_WRITE",  
"PRIVILEGE\_IDENTITY\_MAPPING\_READ",  
"PRIVILEGE\_IDENTITY\_MAPPING\_WRITE",  
"PRIVILEGE\_IDENTITY\_READ",  
"PRIVILEGE\_IDENTITY\_WRITE",  
"PRIVILEGE\_KERBEROS\_KEYTAB\_READ",  
"PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE",  
"PRIVILEGE\_KERBEROS\_SETTINGS\_READ",  
"PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE",  
"PRIVILEGE\_KV\_READ",  
"PRIVILEGE\_LDAP\_READ",  
"PRIVILEGE\_LDAP\_USE",  
"PRIVILEGE\_LDAP\_WRITE",  
"PRIVILEGE\_LOCAL\_GROUP\_READ",  
"PRIVILEGE\_LOCAL\_GROUP\_WRITE",  
"PRIVILEGE\_LOCAL\_USER\_READ",  
"PRIVILEGE\_LOCAL\_USER\_WRITE",  
"PRIVILEGE\_METRICS\_READ",  
"PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ",  
"PRIVILEGE\_NETWORK\_READ",  
"PRIVILEGE\_NETWORK\_WRITE",  
"PRIVILEGE\_NFS\_EXPORT\_READ",  
"PRIVILEGE\_NFS\_EXPORT\_WRITE",  
"PRIVILEGE\_POWER\_CYCLE",  
"PRIVILEGE\_QUOTA\_READ",  
"PRIVILEGE\_QUOTA\_WRITE",  
"PRIVILEGE\_RECONCILER\_READ",  
"PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP",  
"PRIVILEGE\_REPLICATION\_SOURCE\_READ",  
"PRIVILEGE\_REPLICATION\_SOURCE\_WRITE",  
"PRIVILEGE\_REPLICATION\_TARGET\_READ",  
"PRIVILEGE\_REPLICATION\_TARGET\_WRITE",

"PRIVILEGE\_ROLE\_READ",  
"PRIVILEGE\_ROLE\_WRITE",  
"PRIVILEGE\_SMB\_SHARE\_READ",  
"PRIVILEGE\_SMB\_SHARE\_WRITE",  
"PRIVILEGE\_SNAPSHOT\_CALCULATE\_USED\_CAPACITY\_READ",  
"PRIVILEGE\_SNAPSHOT\_DIFFERENCE\_READ",  
"PRIVILEGE\_SNAPSHOT\_POLICY\_READ",  
"PRIVILEGE\_SNAPSHOT\_POLICY\_WRITE",  
"PRIVILEGE\_SNAPSHOT\_READ",  
"PRIVILEGE\_SNAPSHOT\_WRITE",  
"PRIVILEGE\_SUPPORT\_READ",  
"PRIVILEGE\_SUPPORT\_WRITE",  
"PRIVILEGE\_TEST\_ONLY",  
"PRIVILEGE\_TIME\_READ",  
"PRIVILEGE\_TIME\_WRITE",  
"PRIVILEGE\_UNCONFIGURED\_NODE\_READ",  
"PRIVILEGE\_UPGRADE\_READ",  
"PRIVILEGE\_UPGRADE\_WRITE",  
"PRIVILEGE\_SMB\_FILE\_HANDLE\_READ",  
"PRIVILEGE\_SMB\_FILE\_HANDLE\_WRITE",  
"PRIVILEGE\_SMB\_SESSION\_READ",  
"PRIVILEGE\_SMB\_SESSION\_WRITE",  
"PRIVILEGE\_REPLICATION\_OBJECT\_READ",  
"PRIVILEGE\_REPLICATION\_OBJECT\_WRITE",  
"PRIVILEGE\_ENCRYPTION\_WRITE",  
"PRIVILEGE\_ENCRYPTION\_READ",  
"PRIVILEGE\_NFS\_SETTINGS\_READ",  
"PRIVILEGE\_NFS\_SETTINGS\_WRITE",  
"PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_WRITE",  
"PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_READ",  
"PRIVILEGE\_METRICS\_CONFIG\_READ",  
"PRIVILEGE\_METRICS\_CONFIG\_WRITE",  
"PRIVILEGE\_REBOOT\_USE",  
"PRIVILEGE\_REBOOT\_READ",  
"PRIVILEGE\_CHECKSUMMING\_READ",  
"PRIVILEGE\_S3\_SETTINGS\_READ",  
"PRIVILEGE\_S3\_SETTINGS\_WRITE",  
"PRIVILEGE\_WEB\_UI\_SETTINGS\_WRITE",  
"PRIVILEGE\_S3\_CREDENTIALS\_READ",  
"PRIVILEGE\_S3\_CREDENTIALS\_WRITE",  
"PRIVILEGE\_TENANT\_READ",  
"PRIVILEGE\_TENANT\_WRITE",  
"PRIVILEGE\_SAML\_SETTINGS\_READ",  
"PRIVILEGE\_SAML\_SETTINGS\_WRITE",  
"PRIVILEGE\_S3\_BUCKETS\_READ",  
"PRIVILEGE\_S3\_BUCKETS\_WRITE",



```

"PRIVILEGE_ACCESS_TOKENS_READ",
"PRIVILEGE_ACCESS_TOKENS_WRITE",
"PRIVILEGE_S3_UPLOADS_READ",
"PRIVILEGE_S3_UPLOADS_WRITE",
"PRIVILEGE_SNAPSHOT_LOCK",
"PRIVILEGE_FS_KEY_MANAGEMENT_WRITE",
"PRIVILEGE_FS_KEY_MANAGEMENT_READ",
"PRIVILEGE_IDENTITY_CONFIG_WRITE",
"PRIVILEGE_IDENTITY_CONFIG_READ",
"PRIVILEGE_FILE_READ_ACCESS",
"PRIVILEGE_PORTAL_SPOKE_READ",
"PRIVILEGE_PORTAL_SPOKE_WRITE",
"PRIVILEGE_PORTAL_SPOKE_EVICT",
"PRIVILEGE_PORTAL_HUB_READ",
"PRIVILEGE_PORTAL_HUB_WRITE",
"PRIVILEGE_PORTAL_GLOBAL_READ"
],
"description": "The user's privileges:\n * `PRIVILEGE_ACCESS_TOKENS_READ` -
View any access tokens present in the system,\n * `PRIVILEGE_ACCESS_TOKENS_WRITE` -
Create or delete access tokens for any user in the system,\n * `PRIVILEGE_AD_READ`
- Read Qumulo Active Directory settings,\n * `PRIVILEGE_AD_USE` - Use Qumulo's APIs
for performing queries against Active Directory,\n * `PRIVILEGE_AD_WRITE` - Modify Q
umulo Active Directory settings,\n * `PRIVILEGE_ANALYTICS_READ` - Read cluster analy
tics,\n * `PRIVILEGE_AUDIT_READ` - Read audit settings,\n * `PRIVILEGE_AUDIT_WRITE`
- Modify audit settings,\n * `PRIVILEGE_AUTH_CACHE_READ` - Internal-Only: Read authe
ntication cache settings,\n * `PRIVILEGE_AUTH_CACHE_WRITE` - Internal-Only: Modify a
uthentication cache settings,\n * `PRIVILEGE_CHECKSUMMING_READ` - View the status o
f checksumming,\n * `PRIVILEGE_CLUSTER_READ` - View nodes, disks, protection statu
s, and SSL certificate,\n * `PRIVILEGE_CLUSTER_WRITE` - Modify cluster settings and
disk/identify LEDs,\n * `PRIVILEGE_DEBUG` - Internal-Only: Perform debug operations
on the cluster,\n * `PRIVILEGE_DNS_READ` - Read DNS settings,\n * `PRIVILEGE_DNS_US
E` - Perform DNS lookups,\n * `PRIVILEGE_DNS_WRITE` - Modify DNS settings,\n * `PRIV
ILEGE_ENCRYPTION_READ` - View the status of at-rest-encryption,\n * `PRIVILEGE_ENCRY
PTION_WRITE` - Rotate encryption keys for clusters with at-rest-encryption,\n * `PRI
VILEGE_FILE_FULL_ACCESS` - Provides full access to all files regardless of permissio
ns,\n * `PRIVILEGE_FILE_READ_ACCESS` - Provides read access to all files regardless
of permissions,\n * `PRIVILEGE_FS_ATTRIBUTES_READ` - Read file system statistics,\n
* `PRIVILEGE_FS_DELETE_TREE_READ` - View the status of directory tree delete operati
ons,\n * `PRIVILEGE_FS_DELETE_TREE_WRITE` - Use directory tree delete API. Granting
this privilege allows the deletion of any file or directory on the cluster. File an
d directory permissions are not taken into account. Not required for `rm -r`.,\n *
`PRIVILEGE_FS_KEY_MANAGEMENT_READ` - Read and list public keys for various FS securi
ty features.,\n * `PRIVILEGE_FS_KEY_MANAGEMENT_WRITE` - Create and manage public key
s for various FS security features.,\n * `PRIVILEGE_FS_LOCK_READ` - View NLN and SM
B locks and waiters,\n * `PRIVILEGE_FS_LOCK_WRITE` - Release NLN and SMB locks,\n *
`PRIVILEGE_FS_SETTINGS_READ` - View file system permissions settings,\n * `PRIVILEG

```

E\_FS\_SETTINGS\_WRITE` - Modify file system permissions mode,\n \* `PRIVILEGE\_FTP\_READ` - View FTP status and settings,\n \* `PRIVILEGE\_FTP\_WRITE` - Modify FTP status and settings,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_READ` - Read and list identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_CONFIG\_WRITE` - Modify identity configurations.,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_READ` - Get AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_MAPPING\_WRITE` - Set AD/LDAP User Defined Mappings,\n \* `PRIVILEGE\_IDENTITY\_READ` - Use Qumulo's identity lookup and translation APIs,\n \* `PRIVILEGE\_IDENTITY\_WRITE` - Modify identity attributes and clear authentication cache,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_READ` - View Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_KEYTAB\_WRITE` - Modify Kerberos keytab,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_READ` - Read Kerberos settings,\n \* `PRIVILEGE\_KERBEROS\_SETTINGS\_WRITE` - Modify Kerberos settings,\n \* `PRIVILEGE\_KV\_READ` - DEPRECATED: Read and delete KV store entries for all users,\n \* `PRIVILEGE\_LDAP\_READ` - View LDAP settings,\n \* `PRIVILEGE\_LDAP\_USE` - Use Qumulo's APIs for performing LDAP queries,\n \* `PRIVILEGE\_LDAP\_WRITE` - Modify LDAP settings,\n \* `PRIVILEGE\_LOCAL\_GROUP\_READ` - View local groups and members,\n \* `PRIVILEGE\_LOCAL\_GROUP\_WRITE` - Modify local groups and membership,\n \* `PRIVILEGE\_LOCAL\_USER\_READ` - Get information about local users,\n \* `PRIVILEGE\_LOCAL\_USER\_WRITE` - Create and modify all local users,\n \* `PRIVILEGE\_METRICS\_CONFIG\_READ` - View metrics configuration,\n \* `PRIVILEGE\_METRICS\_CONFIG\_WRITE` - Modify metrics configuration,\n \* `PRIVILEGE\_METRICS\_READ` - Get all metrics,\n \* `PRIVILEGE\_NETWORK\_IP\_ALLOCATION\_READ` - View network IP address allocations,\n \* `PRIVILEGE\_NETWORK\_READ` - Read network status and settings,\n \* `PRIVILEGE\_NETWORK\_WRITE` - Modify network configuration,\n \* `PRIVILEGE\_NFS\_EXPORT\_READ` - View configuration of NFS exports,\n \* `PRIVILEGE\_NFS\_EXPORT\_WRITE` - Create, modify, and delete NFS exports,\n \* `PRIVILEGE\_NFS\_SETTINGS\_READ` - Internal-Only: View NFS server settings,\n \* `PRIVILEGE\_NFS\_SETTINGS\_WRITE` - Internal-Only: Modify NFS server settings,\n \* `PRIVILEGE\_PORTAL\_GLOBAL\_READ` - View global portal settings and status,\n \* `PRIVILEGE\_PORTAL\_HUB\_READ` - View hub portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_HUB\_WRITE` - Authorize, modify, and delete hub portal relationships. Granting this privilege allows authorizing proposed relationships. Depending on existing file and directory permissions, this privilege can allow remote access to local data under the hub root directory.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_EVICT` - Remove cached files and directories from a spoke portal. Qumulo Core recaches the removed files or directories upon access.,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_READ` - View spoke portal relationship status and configuration,\n \* `PRIVILEGE\_PORTAL\_SPOKE\_WRITE` - Create, modify, and delete spoke portal relationships. Granting this privilege allows creating spoke portal root directories. Depending on existing file permissions, this privilege can allow local access to remote files and directories.,\n \* `PRIVILEGE\_POWER\_CYCLE` - Shutdown and reboot nodes,\n \* `PRIVILEGE\_QUOTA\_READ` - View all file system quotas,\n \* `PRIVILEGE\_QUOTA\_WRITE` - Create, modify, and delete file system quotas,\n \* `PRIVILEGE\_REBOOT\_READ` - View Reboot Status,\n \* `PRIVILEGE\_REBOOT\_USE` - Perform Reboots,\n \* `PRIVILEGE\_RECONCILER\_READ` - View reconciler status and metrics,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_READ` - View object store relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_OBJECT\_WRITE` - Create, modify, and delete object store relationships. Granting this privilege allows overwriting existing data, replicating, and potentially accessing any data on the cluster regardless of file and directory permission

s.,\n \* `PRIVILEGE\_REPLICATION\_REVERSE\_RELATIONSHIP` - Reverse a source and target relationship,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_READ` - View source relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_SOURCE\_WRITE` - Create, modify, and delete source relationships. Granting this privilege allows replicating and potentially accessing any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_READ` - View target relationship settings and status,\n \* `PRIVILEGE\_REPLICATION\_TARGET\_WRITE` - Create, modify, and delete target relationships. Granting this privilege allows overwriting any data on the cluster regardless of file and directory permissions.,\n \* `PRIVILEGE\_ROLE\_READ` - View roles and assignments,\n \* `PRIVILEGE\_ROLE\_WRITE` - Create and modify roles and assignments,\n \* `PRIVILEGE\_S3\_BUCKETS\_READ` - View all S3 buckets and bucket policies present in the system,\n \* `PRIVILEGE\_S3\_BUCKETS\_WRITE` - Create or delete any S3 bucket in the system, and create, delete, or modify policies for any S3 bucket in the system. Subject to having sufficient FS permissions.,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_READ` - View any S3 access key present in the system,\n \* `PRIVILEGE\_S3\_CREDENTIALS\_WRITE` - Create or delete S3 access keys for any user in the system,\n \* `PRIVILEGE\_S3\_SETTINGS\_READ` - View S3 server settings,\n \* `PRIVILEGE\_S3\_SETTINGS\_WRITE` - Modify S3 server settings,\n \* `PRIVILEGE\_S3\_UPLOADS\_READ` - View all S3 uploads present in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_S3\_UPLOADS\_WRITE` - Abort S3 uploads in the system. This will override a bucket policy that denies the user this permission.,\n \* `PRIVILEGE\_SAML\_SETTINGS\_READ` - View SAML integration settings,\n \* `PRIVILEGE\_SAML\_SETTINGS\_WRITE` - Modify SAML integration settings,\n \* `PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_READ` - Internal-Only: Read public keys,\n \* `PRIVILEGE\_SERVICE\_PUBLIC\_KEYS\_WRITE` - Internal-Only: Write public keys,\n \* `PRIVILEGE\_SMB\_FILE\_HANDLE\_READ` - List open SMB file handles,\n \* `PRIVILEGE\_SMB\_FILE\_HANDLE\_WRITE` - Force close an open SMB file handle,\n \* `PRIVILEGE\_SMB\_SESSION\_READ` - List logged on SMB sessions,\n \* `PRIVILEGE\_SMB\_SESSION\_WRITE` - Force close a logged on SMB session,\n \* `PRIVILEGE\_SMB\_SHARE\_READ` - View configuration of SMB shares and SMB server settings,\n \* `PRIVILEGE\_SMB\_SHARE\_WRITE` - Create, modify, and delete SMB shares and SMB server settings,\n \* `PRIVILEGE\_SNAPSHOT\_CALCULATE\_USED\_CAPACITY\_READ` - Recalculate capacity usage of snapshots,\n \* `PRIVILEGE\_SNAPSHOT\_DIFFERENCE\_READ` - View the changes between snapshots,\n \* `PRIVILEGE\_SNAPSHOT\_LOCK` - Lock or unlock snapshots. Configure snapshot policies to lock or unlock snapshots.,\n \* `PRIVILEGE\_SNAPSHOT\_POLICY\_READ` - View snapshot policies and status,\n \* `PRIVILEGE\_SNAPSHOT\_POLICY\_WRITE` - Create, modify, and delete snapshot policies,\n \* `PRIVILEGE\_SNAPSHOT\_READ` - List snapshots and view their status and cached capacity. Does not affect the visibility of the virtual `snapshot` directories,\n \* `PRIVILEGE\_SNAPSHOT\_WRITE` - Create, modify, and delete snapshots,\n \* `PRIVILEGE\_SUPPORT\_READ` - View support configuration and status,\n \* `PRIVILEGE\_SUPPORT\_WRITE` - Modify cloud-based monitoring and remote management,\n \* `PRIVILEGE\_TENANT\_READ` - View any tenant information,\n \* `PRIVILEGE\_TENANT\_WRITE` - Create, edit or delete tenants,\n \* `PRIVILEGE\_TEST\_ONLY` - Test only actions,\n \* `PRIVILEGE\_TIME\_READ` - View time and time settings,\n \* `PRIVILEGE\_TIME\_WRITE` - Modify time settings,\n \* `PRIVILEGE\_UNCONFIGURED\_NODE\_READ` - List unconfigured Qumulo nodes,\n \* `PRIVILEGE\_UPGRADE\_READ` - View upgrade configuration and status,\n \* `PRIVILEGE\_UPGRADE\_WRITE` - Perform upgrades,\n \* `PRIVILEGE\_WEB\_UI\_SETTINGS\_WRITE`

```
E` - Modify web UI settings"
  }
},
"access_token_id": {
  "description": "The user's access token ID. Only present when access token authentication is used.",
  "type": "string"
}
}
}
```

# shutdown/halt

## Endpoint

`/v1/shutdown/halt`

## POST

Shut down every node in the cluster and power off.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

# shutdown/reboot/pause

## Endpoint

`/v1/shutdown/reboot/pause`

## POST

Pause an in progress reboot cycle.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

# shutdown/reboot/resume

## Endpoint

`/v1/shutdown/reboot/resume`

## POST

Resume a paused reboot cycle.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

# shutdown/reboot/start

## Endpoint

`/v1/shutdown/reboot/start`

## POST

Start a reboot cycle with the Reboot Manager system.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "description": "api_reboot_start_options",
  "type": "object",
  "properties": {
    "is_rolling": {
      "description": "If true, kick off a rolling reboot, otherwise do it concurrently. Defaults to false",
      "type": "boolean"
    },
    "num_nodes_to_reboot": {
      "description": "If the number of nodes to reboot is configured and rolling reboot is enabled, your cluster reboots the specified number of nodes at a time. The number of nodes must be greater than 0 and less than or equal to the number of node failures that your cluster permits. By default, the value is the number of permitted node failures minus 1 (1 node minimum).",
      "type": "number"
    }
  }
}
```

### Response

### Codes

Code	Description
202	Return value on success



# shutdown/reboot/status

## Endpoint

`/v1/shutdown/reboot/status`

## GET

Retrieve the current status of the reboot manager.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "reboot_status",
  "type": "object",
  "properties": {
    "state": {
      "type": "string",
      "enum": [
        "REBOOT_IDLE",
        "REBOOT_IN_PROGRESS",
        "REBOOT_PAUSED",
        "REBOOT_PAUSED_DUE_TO_ERROR"
      ],
      "description": "state:\n * `REBOOT_IDLE` - REBOOT_IDLE,\n * `REBOOT_IN_PROGRESS` - REBOOT_IN_PROGRESS,\n * `REBOOT_PAUSED` - REBOOT_PAUSED,\n * `REBOOT_PAUSED_DUE_TO_ERROR` - REBOOT_PAUSED_DUE_TO_ERROR"
    },
    "rolling": {
      "description": "rolling",
      "type": "boolean"
    },
    "upgrade_initiated": {
      "description": "upgrade_initiated",
      "type": "boolean"
    },
    "total_node_count": {
      "description": "total_node_count",
      "type": "number"
    },
    "rebooted_node_count": {
      "description": "rebooted_node_count",
      "type": "number"
    },
    "error_message": {
      "description": "error_message",
      "type": "string"
    }
  }
}
```

# snapshots/calculate-used-capacity

## Endpoint

`/v1/snapshots/calculate-used-capacity`

## POST

Returns approximate amount of space that would be reclaimed if all specified snapshots were deleted.

## Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "type": "array",
  "items": {
    "type": "number"
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_snapshot_capacity_used",
  "type": "object",
  "properties": {
    "bytes": {
      "description": "bytes",
      "type": "string"
    }
  }
}
```

# snapshots/capacity-used-per-snapshot/

## Endpoint

`/v1/snapshots/capacity-used-per-snapshot/`

## GET

Returns the approximate amount of space for each snapshot that would be reclaimed if that snapshot were deleted.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_capacity_used_per_snapshot",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot identifiers with the amount of space that w
ould be reclaimed by deleting each one",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique identifier for a snapshot",
            "type": "number"
          },
          "capacity_used_bytes": {
            "description": "Amount of space that would be reclaimed if the snapshot
were deleted",
            "type": "string"
          }
        }
      }
    }
  }
}
```

# snapshots/capacity-used-per-snapshot/{id}

## Endpoint

`/v1/snapshots/capacity-used-per-snapshot/{id}`

## GET

Returns the approximate amount of space that would be reclaimed if the given snapshot were deleted.

## Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_capacity_usage_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for a snapshot",
      "type": "number"
    },
    "capacity_used_bytes": {
      "description": "Amount of space that would be reclaimed if the snapshot were deleted",
      "type": "string"
    }
  }
}
```

# snapshots/policies/

## Endpoint

`/v1/snapshots/policies/`

## GET

Returns information about all snapshot policies.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_snapshots_policies_v1",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot policy information",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique identifier for the snapshot policy",
            "type": "number"
          },
          "name": {
            "description": "Name of the snapshot policy",
            "type": "string"
          },
          "source_file_ids": {
            "type": "array",
            "items": {
              "description": "File ID of the directory on which to take snapshots under the policy. The array must contain exactly one file ID and cannot be modified after policy creation.",
              "type": "string"
            }
          },
          "schedules": {
            "type": "array",
            "items": {
              "description": "Schedule by which to take snapshots for the policy. The array must contain exactly one schedule.",
              "type": "object",
              "properties": {
                "id": {
                  "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
                  "type": "number"
                },
                "creation_schedule": {
                  "description": "Structure defining when to take snapshots",
                  "type": "object",
                  "properties": {
                    "timezone": {
                      "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",

```

```

    "type": "string"
  },
  "frequency": {
    "type": "string",
    "enum": [
      "SCHEDULE_MONTHLY",
      "SCHEDULE_DAILY_OR_WEEKLY",
      "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ],
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY"
  }
}

```

Y frequency: LAST\_DAY\_OF\_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n \* `EVERY\_DAY` - EVERY\_DAY, \n \* `FRI` - FRI, \n \* `MON` - MON, \n \* `SAT` - SAT, \n \* `SUN` - SUN, \n \* `THU` - THU, \n \* `TUE` - TUE, \n \* `WED` - WED"

```
    }
  },
  "day_of_month": {
    "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window: \n * `FIRE_IN_HOURS` - FIRE_IN_HOURS, \n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 99] at which to take snapshot during specified window",
    "type": "number"
  }
}
```



Request  
Schema

```

{
  "description": "api_snapshots_policy_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for the snapshot policy",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot policy",
      "type": "string"
    },
    "source_file_ids": {
      "type": "array",
      "items": {
        "description": "File ID of the directory on which to take snapshots under the policy. The array must contain exactly one file ID and cannot be modified after policy creation.",
        "type": "string"
      }
    },
    "schedules": {
      "type": "array",
      "items": {
        "description": "Schedule by which to take snapshots for the policy. The array must contain exactly one schedule.",
        "type": "object",
        "properties": {
          "id": {
            "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
            "type": "number"
          },
          "creation_schedule": {
            "description": "Structure defining when to take snapshots",
            "type": "object",
            "properties": {
              "timezone": {
                "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
                "type": "string"
              },
              "frequency": {
                "type": "string",
                "enum": [
                  "SCHEDULE_MONTHLY",

```

```

        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {

```

```

        "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval [1, 99] at which to take snapshot during specified window",
        "type": "number"
    }
}
},
"expiration_time_to_live": {
    "description": "Duration after which to expire snapshots created by this policy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1 hours. Empty string or never indicates snapshots should never expire.",

```



```
        "type": "string"
      }
    }
  },
  "enabled": {
    "description": "Whether snapshot taking is enabled for this policy (defaults to true)",
    "type": "boolean"
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshots_policy_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for the snapshot policy",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot policy",
      "type": "string"
    },
    "source_file_ids": {
      "type": "array",
      "items": {
        "description": "File ID of the directory on which to take snapshots under the policy. The array must contain exactly one file ID and cannot be modified after policy creation.",
        "type": "string"
      }
    },
    "schedules": {
      "type": "array",
      "items": {
        "description": "Schedule by which to take snapshots for the policy. The array must contain exactly one schedule.",
        "type": "object",
        "properties": {
          "id": {
            "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
            "type": "number"
          },
          "creation_schedule": {
            "description": "Structure defining when to take snapshots",
            "type": "object",
            "properties": {
              "timezone": {
                "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
                "type": "string"
              },
              "frequency": {
                "type": "string",
                "enum": [
                  "SCHEDULE_MONTHLY",

```

```

        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {

```

```

        "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval [1, 99] at which to take snapshot during specified window",
        "type": "number"
    }
}
},
"expiration_time_to_live": {
    "description": "Duration after which to expire snapshots created by this policy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1 hours. Empty string or never indicates snapshots should never expire.",

```

```
        "type": "string"
      }
    }
  },
  "enabled": {
    "description": "Whether snapshot taking is enabled for this policy (defaults to true)",
    "type": "boolean"
  }
}
```

# snapshots/policies/

## Endpoint

`/v2/snapshots/policies/`

## GET

Returns information about all snapshot policies.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_snapshot_policies_v2",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot policy information",
        "type": "object",
        "properties": {
          "id": {
            "description": "The unique identifier for the snapshot policy.",
            "type": "number"
          },
          "policy_name": {
            "description": "The snapshot policy name.",
            "type": "string"
          },
          "snapshot_name_template": {
            "description": "The naming template for the snapshots that this policy c
reates.",
            "type": "string"
          },
          "source_file_id": {
            "description": "The source file ID of the directory to snapshot under th
is policy.",
            "type": "string"
          },
          "schedule": {
            "description": "The schedule according to which to take snapshots under
this policy.",
            "type": "object",
            "properties": {
              "id": {
                "description": "Identifier for the snapshot policy's schedule. Only
unique within the scope of a snapshot policy.",
                "type": "number"
              },
              "creation_schedule": {
                "description": "Structure defining when to take snapshots",
                "type": "object",
                "properties": {
                  "timezone": {
                    "description": "The timezone in which the schedule should be int
erpreted (e.g. America/Los_Angeles or UTC).",
                    "type": "string"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}

```

```

    },
    "frequency": {
      "type": "string",
      "enum": [
        "SCHEDULE_MONTHLY",
        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
      ],
      "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or H
OURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDUL
E_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCH
EDULE_MONTHLY` - SCHEDULE_MONTHLY"
    },
    "hour": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour o
f day [0, 23] at which to take snapshot",
      "type": "number"
    },
    "minute": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minut
e of hour [0, 59] at which to take snapshot",
      "type": "number"
    },
    "on_days": {
      "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequenc
y: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, W
ED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY fre
quency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the la
st day of the month.",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SUN",
          "MON",
          "TUE",
          "WED",
          "THU",
          "FRI",
          "SAT",
          "EVERY_DAY"
        ],
        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequenc
y: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, W
ED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY fre
quency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the la

```

```

st day of the month.: \n * `EVERY_DAY` - EVERY_DAY, \n * `FRI` - FRI, \n * `MON` - MO
N, \n * `SAT` - SAT, \n * `SUN` - SUN, \n * `THU` - THU, \n * `TUE` - TUE, \n * `WED` - W
ED"
    }
  },
  "day_of_month": {
    "description": "For MONTHLY frequency: day of month on which to
take snapshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 2
3] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour
[0, 59] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 2
3] for end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour
[0, 59] for end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interva
l (MINUTES or HOURS) at which to take snapshot during specified window: \n * `FIRE_I
N_HOURS` - FIRE_IN_HOURS, \n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interva
l [1, 99] at which to take snapshot during specified window",
    "type": "number"
  }
}

```



Request  
Schema

```

{
  "description": "api_snapshot_policy_create_v2",
  "type": "object",
  "properties": {
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for snapshots that this policy creates. If null, Qumulo Core chooses {ID}_{Policy} or {ID}_{Policy}_{Directory}.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",
                "SCHEDULE_HOURLY_OR_LESS"
              ],
              "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_LESS"
            }
          }
        }
      }
    }
  }
}

```

```

Y_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
    },
    "hour": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
      "type": "number"
    },
    "minute": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
      "type": "number"
    },
    "on_days": {
      "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SUN",
          "MON",
          "TUE",
          "WED",
          "THU",
          "FRI",
          "SAT",
          "EVERY_DAY"
        ]
      },
      "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
    },
    "day_of_month": {
      "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
      "type": "number"
    },
    "window_start_hour": {

```

```

        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOU
R` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
        "type": "number"
    }
}
},
"expiration_time_to_live": {
    "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1ho
urs. Empty string or never indicates snapshots should never expire.",
    "type": "string"
}
}
},
"enabled": {

```



```
    "description": "Specifies whether snapshot taking is enabled for this policy  
(defaults to true).",  
    "type": "boolean"  
  }  
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_policy_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOUR
S` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
    "type": "number"
  }
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or lho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```
    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this polic
y.",
    "type": "boolean"
  }
}
```

# snapshots/policies/

## Endpoint

`/v3/snapshots/policies/`

## GET

Returns information about all snapshot policies.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_snapshot_policies",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot policy information",
        "type": "object",
        "properties": {
          "id": {
            "description": "The unique identifier for the snapshot policy.",
            "type": "number"
          },
          "policy_name": {
            "description": "The snapshot policy name.",
            "type": "string"
          },
          "snapshot_name_template": {
            "description": "The naming template for the snapshots that this policy c
reates.",
            "type": "string"
          },
          "source_file_id": {
            "description": "The source file ID of the directory to snapshot under th
is policy.",
            "type": "string"
          },
          "schedule": {
            "description": "The schedule according to which to take snapshots under
this policy.",
            "type": "object",
            "properties": {
              "id": {
                "description": "Identifier for the snapshot policy's schedule. Only
unique within the scope of a snapshot policy.",
                "type": "number"
              },
              "creation_schedule": {
                "description": "Structure defining when to take snapshots",
                "type": "object",
                "properties": {
                  "timezone": {
                    "description": "The timezone in which the schedule should be int
erpreted (e.g. America/Los_Angeles or UTC).",
                    "type": "string"
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}

```

```

    },
    "frequency": {
      "type": "string",
      "enum": [
        "SCHEDULE_MONTHLY",
        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
      ],
      "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or H
OURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDUL
E_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCH
EDULE_MONTHLY` - SCHEDULE_MONTHLY"
    },
    "hour": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour o
f day [0, 23] at which to take snapshot",
      "type": "number"
    },
    "minute": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minut
e of hour [0, 59] at which to take snapshot",
      "type": "number"
    },
    "on_days": {
      "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequenc
y: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, W
ED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY fre
quency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the la
st day of the month.",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SUN",
          "MON",
          "TUE",
          "WED",
          "THU",
          "FRI",
          "SAT",
          "EVERY_DAY"
        ],
        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequenc
y: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, W
ED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY fre
quency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the la

```

```

st day of the month.: \n * `EVERY_DAY` - EVERY_DAY, \n * `FRI` - FRI, \n * `MON` - MO
N, \n * `SAT` - SAT, \n * `SUN` - SUN, \n * `THU` - THU, \n * `TUE` - TUE, \n * `WED` - W
ED"
    }
  },
  "day_of_month": {
    "description": "For MONTHLY frequency: day of month on which to
take snapshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 2
3] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour
[0, 59] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 2
3] for end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour
[0, 59] for end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interva
l (MINUTES or HOURS) at which to take snapshot during specified window: \n * `FIRE_I
N_HOURS` - FIRE_IN_HOURS, \n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interva
l [1, 99] at which to take snapshot during specified window",
    "type": "number"
  }
}

```



Request  
Schema

```

{
  "description": "api_snapshot_policy_create",
  "type": "object",
  "properties": {
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates. If set to null, Qumulo Core uses {ID}_{Policy} for root directories and {ID}_{Policy}_{Directory} for all other directory types.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",
                "SCHEDULE_HOURLY_OR_LESS"
              ],
              "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURL"
            }
          }
        }
      }
    }
  }
}

```

```

Y_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
    },
    "hour": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
      "type": "number"
    },
    "minute": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
      "type": "number"
    },
    "on_days": {
      "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SUN",
          "MON",
          "TUE",
          "WED",
          "THU",
          "FRI",
          "SAT",
          "EVERY_DAY"
        ]
      },
      "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
    },
    "day_of_month": {
      "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
      "type": "number"
    },
  },
}

```

```

    "window_start_hour": {
      "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
      "type": "number"
    },
    "window_start_minute": {
      "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
      "type": "number"
    },
    "window_end_hour": {
      "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
      "type": "number"
    },
    "window_end_minute": {
      "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
      "type": "number"
    },
    "fire_every_interval": {
      "type": "string",
      "enum": [
        "FIRE_IN_MINUTES",
        "FIRE_IN_HOURS"
      ],
      "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOU
RS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
      "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
      "type": "number"
    }
  }
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1ho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}
},
},

```



```
"enabled": {
  "description": "Specifies whether snapshot taking is enabled for this policy.
Taking snapshots is enabled by default.",
  "type": "boolean"
},
"lock_key_ref": {
  "description": "If not set to null, the system uses the specified identifier t
o create locked snapshots under this policy.",
  "type": "string"
}
}
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_policy_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
  "type": "number"
},
"window_start_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
  "type": "number"
},
"window_start_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
  "type": "number"
},
"window_end_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
  "type": "number"
},
"window_end_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
  "type": "number"
},
"fire_every_interval": {
  "type": "string",
  "enum": [
    "FIRE_IN_MINUTES",
    "FIRE_IN_HOURS"
  ],
  "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOUR
S` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
},
"fire_every": {
  "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
  "type": "number"
}
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1ho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```
    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this policy.",
    "type": "boolean"
  },
  "lock_key_ref": {
    "description": "If non-empty, snapshots taken for this policy will be locked with the given id.",
    "type": "string"
  }
}
```

# snapshots/policies/status/

## Endpoint

`/v1/snapshots/policies/status/`

## GET

Returns status information about all snapshot policies.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "snapshots_api_policy_statuses_v1",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot policy statuses",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique identifier for the snapshot policy",
            "type": "number"
          },
          "name": {
            "description": "Name of the snapshot policy",
            "type": "string"
          },
          "schedules": {
            "type": "array",
            "items": {
              "description": "Schedule by which to take snapshots for the policy. The array contains exactly one schedule.",
              "type": "object",
              "properties": {
                "id": {
                  "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
                  "type": "number"
                },
                "creation_schedule": {
                  "description": "Structure defining when to take snapshots",
                  "type": "object",
                  "properties": {
                    "timezone": {
                      "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
                      "type": "string"
                    },
                    "frequency": {
                      "type": "string",
                      "enum": [
                        "SCHEDULE_MONTHLY",
                        "SCHEDULE_DAILY_OR_WEEKLY",
                        "SCHEDULE_HOURLY_OR_LESS"
                      ]
                    }
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}

```

```

        "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, o
r HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDU
LE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SC
HEDULE_MONTHLY` - SCHEDULE_MONTHLY"
    },
    "hour": {
        "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hou
r of day [0, 23] at which to take snapshot",
        "type": "number"
    },
    "minute": {
        "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minu
te of hour [0, 59] at which to take snapshot",
        "type": "number"
    },
    "on_days": {
        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequenc
y: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, W
ED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY fre
quency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the la
st day of the month.",
        "type": "array",
        "items": {
            "type": "string",
            "enum": [
                "SUN",
                "MON",
                "TUE",
                "WED",
                "THU",
                "FRI",
                "SAT",
                "EVERY_DAY"
            ]
        },
        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS freque
ncy: list of days of the week on which to take snapshots. Choose from SUN, MON, TU
E, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHL
Y frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on t
he last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON`
- MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WE
D` - WED"
    }
},
    "day_of_month": {
        "description": "For MONTHLY frequency: day of month on which t
o take snapshot. [1, 27] for specific day, 128 for last day of month.",

```

```

        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0,
23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour
[0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0,
23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour
[0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interv
al (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_I
N_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interv
al [1, 99] at which to take snapshot during specified window",
        "type": "number"
    }
}
},
"expiration_time_to_live": {
    "description": "Duration after which to expire snapshots created b
y this policy, in format <quantity><units>, where <quantity> is a positive integer l
ess than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5day
s or 1hours. Empty string or never indicates snapshots should never expire.",
    "type": "string"
}
}

```

```

    }
  },
  "enabled": {
    "description": "Whether snapshot taking is enabled for this policy (defaults to true)",
    "type": "boolean"
  },
  "source_files": {
    "type": "array",
    "items": {
      "description": "Status of the source directory for the policy. The array contains exactly one status.",
      "type": "object",
      "properties": {
        "source_file_id": {
          "description": "File ID of the snapshot source directory",
          "type": "string"
        },
        "source_file_path": {
          "description": "File path of the snapshot source directory, if available",
          "type": "string"
        },
        "deleted": {
          "description": "True if the source directory is deleted",
          "type": "boolean"
        }
      }
    }
  },
  "owners": {
    "type": "array",
    "items": {
      "description": "Owners of this snapshot policy. The policy can only be modified but not deleted while the list is non-empty.",
      "type": "object",
      "properties": {
        "id": {
          "description": "id",
          "type": "string"
        }
      }
    }
  }
}

```

```
}  
  }  
}
```

# snapshots/policies/status/

## Endpoint

`/v2/snapshots/policies/status/`

## GET

Returns status information about all snapshot policies. A policy status includes non-configurable policy information.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "snapshots_api_policy_statuses_v2",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "The list of snapshot policy statuses.",
        "type": "object",
        "properties": {
          "id": {
            "description": "The unique identifier for the snapshot policy.",
            "type": "number"
          },
          "policy_name": {
            "description": "The snapshot policy name.",
            "type": "string"
          },
          "snapshot_name_template": {
            "description": "The naming template for the snapshots that this policy c
reated.",
            "type": "string"
          },
          "source_file_id": {
            "description": "The source file ID of the directory to snapshot under th
is policy.",
            "type": "string"
          },
          "source_file_path": {
            "description": "The snapshot source directory (if available).",
            "type": "string"
          },
          "schedule": {
            "description": "The schedule according to which to take snapshots for th
e policy.",
            "type": "object",
            "properties": {
              "id": {
                "description": "Identifier for the snapshot policy's schedule. Only
unique within the scope of a snapshot policy.",
                "type": "number"
              },
              "creation_schedule": {
                "description": "Structure defining when to take snapshots",
                "type": "object",
                "properties": {

```



```

    "timezone": {
      "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
      "type": "string"
    },
    "frequency": {
      "type": "string",
      "enum": [
        "SCHEDULE_MONTHLY",
        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
      ],
      "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
    },
    "hour": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
      "type": "number"
    },
    "minute": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
      "type": "number"
    },
    "on_days": {
      "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SUN",
          "MON",
          "TUE",
          "WED",
          "THU",
          "FRI",
          "SAT",
          "EVERY_DAY"
        ]
      }
    }
  ],

```

```

        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY, \n * `FRI` - FRI, \n * `MON` - MON, \n * `SAT` - SAT, \n * `SUN` - SUN, \n * `THU` - THU, \n * `TUE` - TUE, \n * `WED` - WED"
    },
    "day_of_month": {
        "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window: \n * `FIRE_IN_HOURS` - FIRE_IN_HOURS, \n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval"
    }
}

```



# snapshots/policies/status/

## Endpoint

`/v3/snapshots/policies/status/`

## GET

Returns status information about all snapshot policies. A policy status includes non-configurable policy information.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "snapshots_api_policy_statuses",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "The list of snapshot policy statuses.",
        "type": "object",
        "properties": {
          "id": {
            "description": "The unique identifier for the snapshot policy.",
            "type": "number"
          },
          "policy_name": {
            "description": "The snapshot policy name.",
            "type": "string"
          },
          "snapshot_name_template": {
            "description": "The naming template for the snapshots that this policy c
reated.",
            "type": "string"
          },
          "source_file_id": {
            "description": "The source file ID of the directory to snapshot under th
is policy.",
            "type": "string"
          },
          "source_file_path": {
            "description": "The snapshot source directory (if available).",
            "type": "string"
          },
          "schedule": {
            "description": "The schedule according to which to take snapshots for th
e policy.",
            "type": "object",
            "properties": {
              "id": {
                "description": "Identifier for the snapshot policy's schedule. Only
unique within the scope of a snapshot policy.",
                "type": "number"
              },
              "creation_schedule": {
                "description": "Structure defining when to take snapshots",
                "type": "object",
                "properties": {

```

```

    "timezone": {
      "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
      "type": "string"
    },
    "frequency": {
      "type": "string",
      "enum": [
        "SCHEDULE_MONTHLY",
        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
      ],
      "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
    },
    "hour": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
      "type": "number"
    },
    "minute": {
      "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
      "type": "number"
    },
    "on_days": {
      "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
      "type": "array",
      "items": {
        "type": "string",
        "enum": [
          "SUN",
          "MON",
          "TUE",
          "WED",
          "THU",
          "FRI",
          "SAT",
          "EVERY_DAY"
        ]
      }
    }
  ],

```

```

        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY, \n * `FRI` - FRI, \n * `MON` - MON, \n * `SAT` - SAT, \n * `SUN` - SUN, \n * `THU` - THU, \n * `TUE` - TUE, \n * `WED` - WED"
    },
    "day_of_month": {
        "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window: \n * `FIRE_IN_HOURS` - FIRE_IN_HOURS, \n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval"
    }
}

```





# snapshots/policies/status/{id}

## Endpoint

`/v1/snapshots/policies/status/{id}`

## GET

Returns status information about a specific snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Policy identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "snapshots_api_policy_status_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for the snapshot policy",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot policy",
      "type": "string"
    },
    "schedules": {
      "type": "array",
      "items": {
        "description": "Schedule by which to take snapshots for the policy. The array contains exactly one schedule.",
        "type": "object",
        "properties": {
          "id": {
            "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
            "type": "number"
          },
          "creation_schedule": {
            "description": "Structure defining when to take snapshots",
            "type": "object",
            "properties": {
              "timezone": {
                "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
                "type": "string"
              },
              "frequency": {
                "type": "string",
                "enum": [
                  "SCHEDULE_MONTHLY",
                  "SCHEDULE_DAILY_OR_WEEKLY",
                  "SCHEDULE_HOURLY_OR_LESS"
                ],
                "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
              },
              "hour": {

```

```

        "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of da
y [0, 23] at which to take snapshot",
        "type": "number"
    },
    "minute": {
        "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of
hour [0, 59] at which to take snapshot",
        "type": "number"
    },
    "on_days": {
        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: lis
t of days of the week on which to take snapshots. Choose from SUN, MON, TUE, TH
U, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequenc
y: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last da
y of the month.",
        "type": "array",
        "items": {
            "type": "string",
            "enum": [
                "SUN",
                "MON",
                "TUE",
                "WED",
                "THU",
                "FRI",
                "SAT",
                "EVERY_DAY"
            ]
        },
        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: l
ist of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED,
THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequenc
y: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last d
ay of the month.:\\n * `EVERY_DAY` - EVERY_DAY,\\n * `FRI` - FRI,\\n * `MON` - MON,\\n
* `SAT` - SAT,\\n * `SUN` - SUN,\\n * `THU` - THU,\\n * `TUE` - TUE,\\n * `WED` - WED"
    }
},
    "day_of_month": {
        "description": "For MONTHLY frequency: day of month on which to tak
e snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] fo
r start of window during which to take snapshots",
        "type": "number"
    },
}

```

```

    "window_start_minute": {
      "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 5
9] for start of window during which to take snapshots",
      "type": "number"
    },
    "window_end_hour": {
      "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] fo
r end of window during which to take snapshots)",
      "type": "number"
    },
    "window_end_minute": {
      "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 5
9] for end of window during which to take snapshots",
      "type": "number"
    },
    "fire_every_interval": {
      "type": "string",
      "enum": [
        "FIRE_IN_MINUTES",
        "FIRE_IN_HOURS"
      ],
      "description": "For HOURLY_OR_LESS frequency: units for interval (MI
NUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOU
RS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
      "description": "For HOURLY_OR_LESS frequency: value for interval
[1, 99] at which to take snapshot during specified window",
      "type": "number"
    }
  }
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by thi
s policy, in format <quantity><units>, where <quantity> is a positive integer less t
han 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1
hours. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}
}
},
"enabled": {
  "description": "Whether snapshot taking is enabled for this policy (defaults t
o true)",
  "type": "boolean"
}

```

```

},
"source_files": {
  "type": "array",
  "items": {
    "description": "Status of the source directory for the policy. The array contains exactly one status.",
    "type": "object",
    "properties": {
      "source_file_id": {
        "description": "File ID of the snapshot source directory",
        "type": "string"
      },
      "source_file_path": {
        "description": "File path of the snapshot source directory, if available",
        "type": "string"
      },
      "deleted": {
        "description": "True if the source directory is deleted",
        "type": "boolean"
      }
    }
  }
},
"owners": {
  "type": "array",
  "items": {
    "description": "Owners of this snapshot policy. The policy can only be modified but not deleted while the list is non-empty.",
    "type": "object",
    "properties": {
      "id": {
        "description": "id",
        "type": "string"
      }
    }
  }
}
}
}

```

# snapshots/policies/status/{id}

## Endpoint

`/v2/snapshots/policies/status/{id}`

## GET

Returns status information about a specific snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Policy identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "snapshots_api_policy_status_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy create
d.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this pol
icy.",
      "type": "string"
    },
    "source_file_path": {
      "description": "The snapshot source directory (if available).",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots for the poli
cy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only uniqu
e within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpret
ed (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {

```

```

    "type": "string",
    "enum": [
        "SCHEDULE_MONTHLY",
        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ],
      "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
    }
  }
}

```

```

    }
  },
  "day_of_month": {
    "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9] at which to take snapshot during specified window",
    "type": "number"
  }
}
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p

```

olicy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1hours. Empty string or never indicates snapshots should never expire.",

```
    "type": "string"
  }
}
},
"enabled": {
  "description": "Specifies whether taking snapshots is enabled for this policy.",
  "type": "boolean"
},
"owners": {
  "type": "array",
  "items": {
    "description": "The snapshot policy's owners. While there are entries on this list, the policy can't be deleted or modified.",
    "type": "object",
    "properties": {
      "id": {
        "description": "id",
        "type": "string"
      }
    }
  }
}
}
}
}
```

# snapshots/policies/status/{id}

## Endpoint

`/v3/snapshots/policies/status/{id}`

## GET

Returns status information about a specific snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Policy identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "snapshots_api_policy_status",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy create
d.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this pol
icy.",
      "type": "string"
    },
    "source_file_path": {
      "description": "The snapshot source directory (if available).",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots for the poli
cy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only uniqu
e within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpret
ed (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {

```



```

    "type": "string",
    "enum": [
      "SCHEDULE_MONTHLY",
      "SCHEDULE_DAILY_OR_WEEKLY",
      "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY, \n * `FRI` - FRI, \n * `MON` - MON, \n * `SAT` - SAT, \n * `SUN` - SUN, \n * `THU` - THU, \n * `TUE` - TUE, \n * `WED` - WED"
  }
}

```

```

    }
  },
  "day_of_month": {
    "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9] at which to take snapshot during specified window",
    "type": "number"
  }
}
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p

```

olicy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1hours. Empty string or never indicates snapshots should never expire.",

```
    "type": "string"
  }
}
},
"enabled": {
  "description": "Specifies whether taking snapshots is enabled for this policy.",
  "type": "boolean"
},
"lock_key": {
  "description": "If not set to null, the system uses the specified identifier to create locked snapshots under this policy.",
  "type": "string"
},
"owners": {
  "type": "array",
  "items": {
    "description": "The snapshot policy's owners. While there are entries on this list, the policy can't be deleted or modified.",
    "type": "object",
    "properties": {
      "id": {
        "description": "id",
        "type": "string"
      }
    }
  }
}
}
}
}
```

# snapshots/policies/{id}

## Endpoint

`/v1/snapshots/policies/{id}`

## GET

Returns information about a specific snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Policy identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshots_policy_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for the snapshot policy",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot policy",
      "type": "string"
    },
    "source_file_ids": {
      "type": "array",
      "items": {
        "description": "File ID of the directory on which to take snapshots under the policy. The array must contain exactly one file ID and cannot be modified after policy creation.",
        "type": "string"
      }
    },
    "schedules": {
      "type": "array",
      "items": {
        "description": "Schedule by which to take snapshots for the policy. The array must contain exactly one schedule.",
        "type": "object",
        "properties": {
          "id": {
            "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
            "type": "number"
          },
          "creation_schedule": {
            "description": "Structure defining when to take snapshots",
            "type": "object",
            "properties": {
              "timezone": {
                "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
                "type": "string"
              },
              "frequency": {
                "type": "string",
                "enum": [
                  "SCHEDULE_MONTHLY",

```

```

        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
    },
    "hour": {
        "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
        "type": "number"
    },
    "minute": {
        "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
        "type": "number"
    },
    "on_days": {
        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
        "type": "array",
        "items": {
            "type": "string",
            "enum": [
                "SUN",
                "MON",
                "TUE",
                "WED",
                "THU",
                "FRI",
                "SAT",
                "EVERY_DAY"
            ]
        },
        "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
    }
    },
    "day_of_month": {

```

```

        "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval [1, 99] at which to take snapshot during specified window",
        "type": "number"
    }
}
},
"expiration_time_to_live": {
    "description": "Duration after which to expire snapshots created by this policy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1 hours. Empty string or never indicates snapshots should never expire.",

```



```
        "type": "string"
      }
    }
  },
  "enabled": {
    "description": "Whether snapshot taking is enabled for this policy (defaults to true)",
    "type": "boolean"
  }
}
```

## PUT

Modifies a snapshot policy.

### Parameters

Name	Description	Required
<b>id</b>	Policy identifier	Yes
<b>If-Match</b>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_snapshots_policy_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for the snapshot policy",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot policy",
      "type": "string"
    },
    "source_file_ids": {
      "type": "array",
      "items": {
        "description": "File ID of the directory on which to take snapshots under the policy. The array must contain exactly one file ID and cannot be modified after policy creation.",
        "type": "string"
      }
    },
    "schedules": {
      "type": "array",
      "items": {
        "description": "Schedule by which to take snapshots for the policy. The array must contain exactly one schedule.",
        "type": "object",
        "properties": {
          "id": {
            "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
            "type": "number"
          },
          "creation_schedule": {
            "description": "Structure defining when to take snapshots",
            "type": "object",
            "properties": {
              "timezone": {
                "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
                "type": "string"
              },
              "frequency": {
                "type": "string",
                "enum": [
                  "SCHEDULE_MONTHLY",

```

```

        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {

```

```

        "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval [1, 99] at which to take snapshot during specified window",
        "type": "number"
    }
}
},
"expiration_time_to_live": {
    "description": "Duration after which to expire snapshots created by this policy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1 hours. Empty string or never indicates snapshots should never expire.",

```

```
        "type": "string"
      }
    }
  },
  "enabled": {
    "description": "Whether snapshot taking is enabled for this policy (defaults to true)",
    "type": "boolean"
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshots_policy_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for the snapshot policy",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot policy",
      "type": "string"
    },
    "source_file_ids": {
      "type": "array",
      "items": {
        "description": "File ID of the directory on which to take snapshots under the policy. The array must contain exactly one file ID and cannot be modified after policy creation.",
        "type": "string"
      }
    },
    "schedules": {
      "type": "array",
      "items": {
        "description": "Schedule by which to take snapshots for the policy. The array must contain exactly one schedule.",
        "type": "object",
        "properties": {
          "id": {
            "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
            "type": "number"
          },
          "creation_schedule": {
            "description": "Structure defining when to take snapshots",
            "type": "object",
            "properties": {
              "timezone": {
                "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
                "type": "string"
              },
              "frequency": {
                "type": "string",
                "enum": [
                  "SCHEDULE_MONTHLY",

```



```

        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {

```

```

        "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval [1, 99] at which to take snapshot during specified window",
        "type": "number"
    }
}
},
"expiration_time_to_live": {
    "description": "Duration after which to expire snapshots created by this policy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1 hours. Empty string or never indicates snapshots should never expire.",

```

```

        "type": "string"
      }
    }
  },
  "enabled": {
    "description": "Whether snapshot taking is enabled for this policy (defaults to true)",
    "type": "boolean"
  }
}

```

## DELETE

Deletes a snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Policy identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## PATCH

Modifies a snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Policy identifier	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_snapshots_policy_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for the snapshot policy",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot policy",
      "type": "string"
    },
    "source_file_ids": {
      "type": "array",
      "items": {
        "description": "File ID of the directory on which to take snapshots under the policy. The array must contain exactly one file ID and cannot be modified after policy creation.",
        "type": "string"
      }
    },
    "schedules": {
      "type": "array",
      "items": {
        "description": "Schedule by which to take snapshots for the policy. The array must contain exactly one schedule.",
        "type": "object",
        "properties": {
          "id": {
            "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
            "type": "number"
          },
          "creation_schedule": {
            "description": "Structure defining when to take snapshots",
            "type": "object",
            "properties": {
              "timezone": {
                "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
                "type": "string"
              },
              "frequency": {
                "type": "string",
                "enum": [
                  "SCHEDULE_MONTHLY",

```

```

        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {

```

```

        "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval [1, 99] at which to take snapshot during specified window",
        "type": "number"
    }
}
},
"expiration_time_to_live": {
    "description": "Duration after which to expire snapshots created by this policy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1 hours. Empty string or never indicates snapshots should never expire.",

```

```
        "type": "string"
      }
    }
  },
  "enabled": {
    "description": "Whether snapshot taking is enabled for this policy (defaults to true)",
    "type": "boolean"
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_snapshots_policy_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier for the snapshot policy",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot policy",
      "type": "string"
    },
    "source_file_ids": {
      "type": "array",
      "items": {
        "description": "File ID of the directory on which to take snapshots under the policy. The array must contain exactly one file ID and cannot be modified after policy creation.",
        "type": "string"
      }
    },
    "schedules": {
      "type": "array",
      "items": {
        "description": "Schedule by which to take snapshots for the policy. The array must contain exactly one schedule.",
        "type": "object",
        "properties": {
          "id": {
            "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
            "type": "number"
          },
          "creation_schedule": {
            "description": "Structure defining when to take snapshots",
            "type": "object",
            "properties": {
              "timezone": {
                "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
                "type": "string"
              },
              "frequency": {
                "type": "string",
                "enum": [
                  "SCHEDULE_MONTHLY",

```

```

        "SCHEDULE_DAILY_OR_WEEKLY",
        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {

```

```

        "description": "For MONTHLY frequency: day of month on which to take snapshot. [1, 27] for specific day, 128 for last day of month.",
        "type": "number"
    },
    "window_start_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_start_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for start of window during which to take snapshots",
        "type": "number"
    },
    "window_end_hour": {
        "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for end of window during which to take snapshots)",
        "type": "number"
    },
    "window_end_minute": {
        "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] for end of window during which to take snapshots",
        "type": "number"
    },
    "fire_every_interval": {
        "type": "string",
        "enum": [
            "FIRE_IN_MINUTES",
            "FIRE_IN_HOURS"
        ],
        "description": "For HOURLY_OR_LESS frequency: units for interval (MINUTES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOURS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
    },
    "fire_every": {
        "description": "For HOURLY_OR_LESS frequency: value for interval [1, 99] at which to take snapshot during specified window",
        "type": "number"
    }
}
},
"expiration_time_to_live": {
    "description": "Duration after which to expire snapshots created by this policy, in format <quantity><units>, where <quantity> is a positive integer less than 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1 hours. Empty string or never indicates snapshots should never expire.",

```

```
        "type": "string"
      }
    }
  },
  "enabled": {
    "description": "Whether snapshot taking is enabled for this policy (defaults to true)",
    "type": "boolean"
  }
}
```

# snapshots/policies/{id}

## Endpoint

`/v2/snapshots/policies/{id}`

## GET

Returns information about a specific snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot Policy Identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_policy_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```



```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOUR
S` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
    "type": "number"
  }
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1ho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```
    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this polic
y.",
    "type": "boolean"
  }
}
```

## PUT

Modifies a snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot Policy Identifier	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_snapshot_policy_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOUR
S` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
    "type": "number"
  }
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or lho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```
    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this polic
y.",
    "type": "boolean"
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_snapshot_policy_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
  "type": "number"
},
"window_start_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
  "type": "number"
},
"window_start_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
  "type": "number"
},
"window_end_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
  "type": "number"
},
"window_end_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
  "type": "number"
},
"fire_every_interval": {
  "type": "string",
  "enum": [
    "FIRE_IN_MINUTES",
    "FIRE_IN_HOURS"
  ],
  "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOU
RS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
},
"fire_every": {
  "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
  "type": "number"
}
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1ho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```

    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this polic
y.",
    "type": "boolean"
  }
}
}
}

```

## DELETE

Deletes a snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot Policy Identifier	Yes
<code>If-Match</code>	ETag for expected version	No

### Response

#### Codes

Code	Description
200	Return value on success

## PATCH

Modifies a snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot Policy Identifier	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_snapshot_policy_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```



```

napshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOUR
S` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
    "type": "number"
  }
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or lho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```
    }  
  },  
  "enabled": {  
    "description": "Specifies whether taking snapshots is enabled for this polic  
y.",  
    "type": "boolean"  
  }  
}  
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_policy_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
  "type": "number"
},
"window_start_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
  "type": "number"
},
"window_start_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
  "type": "number"
},
"window_end_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
  "type": "number"
},
"window_end_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
  "type": "number"
},
"fire_every_interval": {
  "type": "string",
  "enum": [
    "FIRE_IN_MINUTES",
    "FIRE_IN_HOURS"
  ],
  "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOUR
S` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
},
"fire_every": {
  "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
  "type": "number"
}
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1ho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```
    }  
  },  
  "enabled": {  
    "description": "Specifies whether taking snapshots is enabled for this polic  
y.",  
    "type": "boolean"  
  }  
}  
}
```

# snapshots/policies/{id}

## Endpoint

`/v3/snapshots/policies/{id}`

## GET

Returns information about a specific snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot Policy Identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_snapshot_policy_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOU
RS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
    "type": "number"
  }
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or lho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```

    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this policy.",
    "type": "boolean"
  },
  "lock_key_ref": {
    "description": "If non-empty, snapshots taken for this policy will be locked with the given id.",
    "type": "string"
  }
}
}
}

```

## PUT

Modifies a snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot Policy Identifier	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_snapshot_policy_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```



```

napshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOUR
S` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
    "type": "number"
  }
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or lho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```
    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this policy.",
    "type": "boolean"
  },
  "lock_key_ref": {
    "description": "If non-empty, snapshots taken for this policy will be locked with the given id.",
    "type": "string"
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_policy_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
  "type": "number"
},
"window_start_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
  "type": "number"
},
"window_start_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
  "type": "number"
},
"window_end_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
  "type": "number"
},
"window_end_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
  "type": "number"
},
"fire_every_interval": {
  "type": "string",
  "enum": [
    "FIRE_IN_MINUTES",
    "FIRE_IN_HOURS"
  ],
  "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOU
RS` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
},
"fire_every": {
  "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
  "type": "number"
}
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1ho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```

    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this policy.",
    "type": "boolean"
  },
  "lock_key_ref": {
    "description": "If non-empty, snapshots taken for this policy will be locked with the given id.",
    "type": "string"
  }
}
}
}

```

## DELETE

Deletes a snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot Policy Identifier	Yes
<code>If-Match</code>	ETag for expected version	No

### Response

#### Codes

Code	Description
200	Return value on success

## PATCH

Modifies a snapshot policy.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot Policy Identifier	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema



```

{
  "description": "api_snapshot_policy_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
  "type": "number"
},
"window_start_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
  "type": "number"
},
"window_start_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
  "type": "number"
},
"window_end_hour": {
  "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
  "type": "number"
},
"window_end_minute": {
  "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
  "type": "number"
},
"fire_every_interval": {
  "type": "string",
  "enum": [
    "FIRE_IN_MINUTES",
    "FIRE_IN_HOURS"
  ],
  "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOUR
S` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
},
"fire_every": {
  "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
  "type": "number"
}
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or lho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```

```
    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this policy.",
    "type": "boolean"
  },
  "lock_key_ref": {
    "description": "If non-empty, snapshots taken for this policy will be locked with the given id.",
    "type": "string"
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_policy_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for the snapshot policy.",
      "type": "number"
    },
    "policy_name": {
      "description": "The snapshot policy name.",
      "type": "string"
    },
    "snapshot_name_template": {
      "description": "The naming template for the snapshots that this policy creates.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory to snapshot under this policy.",
      "type": "string"
    },
    "schedule": {
      "description": "The schedule according to which to take snapshots under this policy.",
      "type": "object",
      "properties": {
        "id": {
          "description": "Identifier for the snapshot policy's schedule. Only unique within the scope of a snapshot policy.",
          "type": "number"
        },
        "creation_schedule": {
          "description": "Structure defining when to take snapshots",
          "type": "object",
          "properties": {
            "timezone": {
              "description": "The timezone in which the schedule should be interpreted (e.g. America/Los_Angeles or UTC).",
              "type": "string"
            },
            "frequency": {
              "type": "string",
              "enum": [
                "SCHEDULE_MONTHLY",
                "SCHEDULE_DAILY_OR_WEEKLY",

```

```

        "SCHEDULE_HOURLY_OR_LESS"
    ],
    "description": "Coarse frequency (MONTHLY, DAILY_OR_WEEKLY, or HOURLY_OR_LESS) at which to take snapshot:\n * `SCHEDULE_DAILY_OR_WEEKLY` - SCHEDULE_DAILY_OR_WEEKLY,\n * `SCHEDULE_HOURLY_OR_LESS` - SCHEDULE_HOURLY_OR_LESS,\n * `SCHEDULE_MONTHLY` - SCHEDULE_MONTHLY"
  },
  "hour": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: Hour of day [0, 23] at which to take snapshot",
    "type": "number"
  },
  "minute": {
    "description": "For MONTHLY or DAILY_OR_WEEKLY frequency: minute of hour [0, 59] at which to take snapshot",
    "type": "number"
  },
  "on_days": {
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.",
    "type": "array",
    "items": {
      "type": "string",
      "enum": [
        "SUN",
        "MON",
        "TUE",
        "WED",
        "THU",
        "FRI",
        "SAT",
        "EVERY_DAY"
      ]
    },
    "description": "For DAILY_OR_WEEKLY or HOURLY_OR_LESS frequency: list of days of the week on which to take snapshots. Choose from SUN, MON, TUE, WED, THU, FRI, and/or SAT. EVERY_DAY can be used to specify all days. For MONTHLY frequency: LAST_DAY_OF_MONTH indicates that the snapshot should be taken only on the last day of the month.: \n * `EVERY_DAY` - EVERY_DAY,\n * `FRI` - FRI,\n * `MON` - MON,\n * `SAT` - SAT,\n * `SUN` - SUN,\n * `THU` - THU,\n * `TUE` - TUE,\n * `WED` - WED"
  }
},
"day_of_month": {
  "description": "For MONTHLY frequency: day of month on which to take s

```

```

napshot. [1, 27] for specific day, 128 for last day of month.",
    "type": "number"
  },
  "window_start_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
start of window during which to take snapshots",
    "type": "number"
  },
  "window_start_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or start of window during which to take snapshots",
    "type": "number"
  },
  "window_end_hour": {
    "description": "For HOURLY_OR_LESS frequency: hour of day [0, 23] for
end of window during which to take snapshots)",
    "type": "number"
  },
  "window_end_minute": {
    "description": "For HOURLY_OR_LESS frequency: minute of hour [0, 59] f
or end of window during which to take snapshots",
    "type": "number"
  },
  "fire_every_interval": {
    "type": "string",
    "enum": [
      "FIRE_IN_MINUTES",
      "FIRE_IN_HOURS"
    ],
    "description": "For HOURLY_OR_LESS frequency: units for interval (MINU
TES or HOURS) at which to take snapshot during specified window:\n * `FIRE_IN_HOUR
S` - FIRE_IN_HOURS,\n * `FIRE_IN_MINUTES` - FIRE_IN_MINUTES"
  },
  "fire_every": {
    "description": "For HOURLY_OR_LESS frequency: value for interval [1, 9
9] at which to take snapshot during specified window",
    "type": "number"
  }
},
"expiration_time_to_live": {
  "description": "Duration after which to expire snapshots created by this p
olicy, in format <quantity><units>, where <quantity> is a positive integer less tha
n 100 and <units> is one of [months, weeks, days, hours, minutes], e.g. 5days or 1ho
urs. Empty string or never indicates snapshots should never expire.",
  "type": "string"
}

```



```
    }
  },
  "enabled": {
    "description": "Specifies whether taking snapshots is enabled for this policy.",
    "type": "boolean"
  },
  "lock_key_ref": {
    "description": "If non-empty, snapshots taken for this policy will be locked with the given id.",
    "type": "string"
  }
}
```

# snapshots/

## Endpoint

`/v1/snapshots/`

## GET

Returns information about all snapshots.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshots_v1",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot information",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique identifier of the snapshot",
            "type": "number"
          },
          "name": {
            "description": "Name of the snapshot",
            "type": "string"
          },
          "timestamp": {
            "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
            "type": "string"
          },
          "directory_name": {
            "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
            "type": "string"
          },
          "source_path": {
            "description": "Source directory of the snapshot",
            "type": "string"
          },
          "created_by_policy": {
            "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
            "type": "boolean"
          },
          "expiration": {
            "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
            "type": "string"
          }
        }
      }
    }
  }
}

```

```
}  
}  
}
```

## POST

Creates a new snapshot and returns its details.

### Parameters

Name	Description	Required
<code>expiration-time-to-live</code>	Duration after which to expire the snapshot, in format <code>&lt;integer&gt;&lt;unit&gt;</code> , where <code>&lt;integer&gt;</code> is a positive integer less than 1000 and is one of [months, weeks, days, hours, minutes], e.g. 5days or 1hours. Empty string or never indicates the snapshot should never expire. Defaults to never if not specified.	No

### Request

#### Schema

```
{  
  "description": "api_snapshot_create_v1",  
  "type": "object",  
  "properties": {  
    "name": {  
      "description": "Name of the snapshot",  
      "type": "string"  
    },  
    "expiration": {  
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",  
      "type": "string"  
    }  
  }  
}
```

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_path": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    }
  }
}
```

# snapshots/

## Endpoint

`/v2/snapshots/`

## GET

Returns information about all snapshots.

### Parameters

Name	Description	Required
<code>include-in-delete</code>	Specifies whether or not to include snapshots that are currently being deleted. Defaults to false if not specified.	No

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_snapshots_v2",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot information",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique identifier of the snapshot",
            "type": "number"
          },
          "name": {
            "description": "Name of the snapshot",
            "type": "string"
          },
          "timestamp": {
            "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
            "type": "string"
          },
          "directory_name": {
            "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
            "type": "string"
          },
          "source_file_id": {
            "description": "Source directory of the snapshot",
            "type": "string"
          },
          "created_by_policy": {
            "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
            "type": "boolean"
          },
          "expiration": {
            "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
            "type": "string"
          },
          "in_delete": {
            "description": "Whether or not the snapshot is in the process of being d

```

```
    "deleted",
      "type": "boolean"
    }
  }
}
}
```

## POST

Creates a new snapshot and returns its details.

### Parameters

Name	Description	Required
<code>expiration-time-to-live</code>	Duration after which to expire the snapshot, in format , where is a positive integer less than 1000 and is one of [months, weeks, days, hours, minutes], e.g. 5days or 1hours. Empty string or never indicates the snapshot should never expire. Defaults to never if not specified.	No

## Request

### Schema

```
{
  "description": "api_snapshot_create_v2",
  "type": "object",
  "properties": {
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "source_file_id": {
      "description": "ID of directory to snapshot.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "in_delete": {
      "description": "Whether or not the snapshot is in the process of being deleted",
      "type": "boolean"
    }
  }
}

```

# snapshots/

## Endpoint

`/v3/snapshots/`

## GET

Returns information about all snapshots.

### Parameters

Name	Description	Required
<code>filter</code>	Filter the list of snapshots to exclude snapshots in process of being deleted, or include only snapshots in process of being deleted. By default, includes all snapshots.: * `all` - all, * `exclude_in_delete` - exclude_in_delete, * `only_in_delete` - only_in_delete	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshots",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot information",
        "type": "object",
        "properties": {
          "id": {
            "description": "The unique snapshot identifier.",
            "type": "number"
          },
          "name": {
            "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
            "type": "string"
          },
          "timestamp": {
            "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
            "type": "string"
          },
          "source_file_id": {
            "description": "The source file ID of the directory for the snapshot.",
            "type": "string"
          },
          "policy_id": {
            "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
            "type": "number"
          },
          "expiration": {
            "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires.",
            "type": "string"
          },
          "in_delete": {
            "description": "Specifies whether the snapshot is in the process of being deleted.",
            "type": "boolean"
          }
        }
      }
    }
  }
}

```



```
}  
}  
}
```

## POST

Creates a new snapshot and returns snapshot information.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{  
  "description": "api_snapshot_create",  
  "type": "object",  
  "properties": {  
    "name_suffix": {  
      "description": "The snapshot name. Qumulo Core prepends the snapshot ID to the name. If not provided, Qumulo Core uses the value OnDemand.",  
      "type": "string"  
    },  
    "expiration": {  
      "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires.",  
      "type": "string"  
    },  
    "source_file_id": {  
      "description": "The ID of the directory to snapshot.",  
      "type": "string"  
    }  
  }  
}
```

### Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique snapshot identifier.",
      "type": "number"
    },
    "name": {
      "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "timestamp": {
      "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory for the snapshot.",
      "type": "string"
    },
    "policy_id": {
      "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
      "type": "number"
    },
    "expiration": {
      "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires.",
      "type": "string"
    },
    "in_delete": {
      "description": "Specifies whether the snapshot is in the process of being deleted.",
      "type": "boolean"
    }
  }
}
```

# snapshots/status/

## Endpoint

`/v2/snapshots/status/`

## GET

Returns the status on all snapshots.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_statuses_v2",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot status information",
        "type": "object",
        "properties": {
          "id": {
            "description": "Unique identifier of the snapshot",
            "type": "number"
          },
          "name": {
            "description": "Name of the snapshot",
            "type": "string"
          },
          "timestamp": {
            "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
            "type": "string"
          },
          "directory_name": {
            "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
            "type": "string"
          },
          "source_file_id": {
            "description": "File ID of the snapshot source directory",
            "type": "string"
          },
          "source_file_path": {
            "description": "File path of the snapshot source directory",
            "type": "string"
          },
          "created_by_policy": {
            "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
            "type": "boolean"
          },
          "expiration": {
            "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",

```

```
    "type": "string"
  },
  "owners": {
    "type": "array",
    "items": {
      "description": "Owners of this snapshot. The snapshot cannot be deleted or modified while the list is non-empty.",
      "type": "object",
      "properties": {
        "id": {
          "description": "id",
          "type": "string"
        }
      }
    }
  }
}
```

# snapshots/status/

## Endpoint

`/v3/snapshots/status/`

## GET

Returns the statuses for all snapshots. Each snapshot's status includes additional non-configurable information about a snapshot.

### Parameters

Name	Description	Required
<code>filter</code>	Filter the list of snapshots to exclude snapshots in process of being deleted, or include only snapshots in process of being deleted. By default, includes all snapshots.: * `all` - all, * `exclude_in_delete` - exclude_in_delete, * `only_in_delete` - only_in_delete	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_snapshot_statuses",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot statuses",
        "type": "object",
        "properties": {
          "id": {
            "description": "The unique snapshot identifier.",
            "type": "number"
          },
          "name": {
            "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
            "type": "string"
          },
          "timestamp": {
            "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
            "type": "string"
          },
          "source_file_id": {
            "description": "The source file ID of the directory for the snapshot.",
            "type": "string"
          },
          "source_file_path": {
            "description": "The snapshot source directory (if available).",
            "type": "string"
          },
          "policy_id": {
            "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
            "type": "number"
          },
          "policy_name": {
            "description": "The policy name from which this snapshot was created, or null if this snapshot was created manually or its policy was deleted.",
            "type": "string"
          },
          "expiration": {
            "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires."
          }
        }
      }
    }
  }
}

```



# /v4/snapshots/status/

## Endpoint

`/v4/snapshots/status/`

## GET

Returns the information for every snapshot. If a snapshot was created from a snapshot policy, returns information about the policy.

## Parameters

Name	Description	Required
<code>filter</code>	Filter the list of snapshots to exclude any combination of snapshots in process of being deleted, snapshots not in process of being deleted, locked snapshots, and unlocked snapshots. By default, includes all snapshots.	No

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_statuses",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "List of snapshot statuses",
        "type": "object",
        "properties": {
          "id": {
            "description": "The unique snapshot identifier.",
            "type": "number"
          },
          "name": {
            "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
            "type": "string"
          },
          "timestamp": {
            "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
            "type": "string"
          },
          "source_file_id": {
            "description": "The source file ID of the directory for the snapshot.",
            "type": "string"
          },
          "source_file_path": {
            "description": "The snapshot source directory (if available).",
            "type": "string"
          },
          "policy_id": {
            "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
            "type": "number"
          },
          "policy_name": {
            "description": "The policy name from which this snapshot was created, or null if this snapshot was created manually or its policy was deleted.",
            "type": "string"
          },
          "expiration": {
            "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires."
          }
        }
      }
    }
  }
}

```



# snapshots/status/{id}

## Endpoint

`/v2/snapshots/status/{id}`

## GET

Returns the status on a snapshot.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema



```

{
  "description": "api_snapshot_status_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {
      "description": "File ID of the snapshot source directory",
      "type": "string"
    },
    "source_file_path": {
      "description": "File path of the snapshot source directory",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "owners": {
      "type": "array",
      "items": {
        "description": "Owners of this snapshot. The snapshot cannot be deleted or m

```

```
odified while the list is non-empty.",
  "type": "object",
  "properties": {
    "id": {
      "description": "id",
      "type": "string"
    }
  }
}
```

# snapshots/status/{id}

## Endpoint

`/v3/snapshots/status/{id}`

## GET

Returns the status for a specific snapshot.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_status",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique snapshot identifier.",
      "type": "number"
    },
    "name": {
      "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "timestamp": {
      "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory for the snapshot.",
      "type": "string"
    },
    "source_file_path": {
      "description": "The snapshot source directory (if available).",
      "type": "string"
    },
    "policy_id": {
      "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
      "type": "number"
    },
    "policy_name": {
      "description": "The policy name from which this snapshot was created, or null if this snapshot was created manually or its policy was deleted.",
      "type": "string"
    },
    "expiration": {
      "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires.",
      "type": "string"
    },
    "owners": {
      "type": "array",
      "items": {
        "description": "This snapshot's owners. While there are entries on this list, the snapshot can't be deleted or modified.",

```

```
    "type": "object",
    "properties": {
      "id": {
        "description": "id",
        "type": "string"
      }
    }
  },
  "in_delete": {
    "description": "Specifies whether the snapshot is in the process of being deleted.",
    "type": "boolean"
  },
  "lock_key": {
    "description": "The key that the snapshot is locked with. If set to null, the system does not create locked snapshots under this policy.",
    "type": "string"
  }
}
```

# snapshots/total-used-capacity

## Endpoint

`/v1/snapshots/total-used-capacity`

## GET

Returns approximate amount of space that would be reclaimed if all snapshots were deleted.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_capacity_used",
  "type": "object",
  "properties": {
    "bytes": {
      "description": "bytes",
      "type": "string"
    }
  }
}
```

# snapshots/{id}

## Endpoint

`/v1/snapshots/{id}`

## GET

Returns information about a specific snapshot.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "api_snapshot_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_path": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    }
  }
}
```

## PUT

Modifies a snapshot.

## Parameters

Name	Description	Required
<b>id</b>	Snapshot identifier	Yes
<b>If-Match</b>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_snapshot_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_path": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_path": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    }
  }
}
```

## DELETE

Deletes a snapshot.

## Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes

## Response

### Codes

Code	Description
200	Return value on success

## PATCH

Modifies a snapshot.

## Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes
<code>expiration-time-to-live</code>	Duration after which to expire the snapshot, in format , where is a positive integer less than 1000 and is one of [months, weeks, days, hours, minutes], e.g. 5days or 1hours. Empty string or never indicates the snapshot should never expire. Defaults to never if not specified.	No
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_snapshot_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_path": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "api_snapshot_info_v1",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_path": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    }
  }
}
```

# snapshots/{id}

## Endpoint

`/v2/snapshots/{id}`

## GET

Returns information about a specific snapshot.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "in_delete": {
      "description": "Whether or not the snapshot is in the process of being deleted",
      "type": "boolean"
    }
  }
}

```

## PUT

Modifies a snapshot.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_snapshot_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "in_delete": {
      "description": "Whether or not the snapshot is in the process of being deleted",
      "type": "boolean"
    }
  }
}

```

## Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "api_snapshot_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "in_delete": {
      "description": "Whether or not the snapshot is in the process of being deleted",
      "type": "boolean"
    }
  }
}

```

## DELETE

Deletes a snapshot.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## PATCH

Modifies a snapshot.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes
<code>expiration-time-to-live</code>	Duration after which to expire the snapshot, in format , where is a positive integer less than 1000 and is one of [months, weeks, days, hours, minutes], e.g. 5days or 1hours. Empty string or never indicates the snapshot should never expire. Defaults to never if not specified.	No
<code>If-Match</code>	ETag for expected version	No

Request  
Schema

```

{
  "description": "api_snapshot_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "in_delete": {
      "description": "Whether or not the snapshot is in the process of being deleted",
      "type": "boolean"
    }
  }
}

```

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "api_snapshot_info_v2",
  "type": "object",
  "properties": {
    "id": {
      "description": "Unique identifier of the snapshot",
      "type": "number"
    },
    "name": {
      "description": "Name of the snapshot",
      "type": "string"
    },
    "timestamp": {
      "description": "Creation timestamp of the snapshot, encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "directory_name": {
      "description": "Snapshot directory name, as would be seen in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "source_file_id": {
      "description": "Source directory of the snapshot",
      "type": "string"
    },
    "created_by_policy": {
      "description": "This snapshot was created by a policy. The name of that policy will be stored in the name field in place of a user-defined name.",
      "type": "boolean"
    },
    "expiration": {
      "description": "Time at which snapshot will be expired. Empty string if no expiration time set. Encoded as RFC 3339, which is a normalized subset of ISO 8601. See http://tools.ietf.org/rfc/rfc3339.txt, section 5.6 for ABNF.",
      "type": "string"
    },
    "in_delete": {
      "description": "Whether or not the snapshot is in the process of being deleted",
      "type": "boolean"
    }
  }
}

```



# snapshots/{id}

## Endpoint

`/v3/snapshots/{id}`

## GET

Returns information about a specific snapshot.

### Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique snapshot identifier.",
      "type": "number"
    },
    "name": {
      "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "timestamp": {
      "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory for the snapshot.",
      "type": "string"
    },
    "policy_id": {
      "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
      "type": "number"
    },
    "expiration": {
      "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires.",
      "type": "string"
    },
    "in_delete": {
      "description": "Specifies whether the snapshot is in the process of being deleted.",
      "type": "boolean"
    }
  }
}
```

## PUT

Modifies a snapshot.

## Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_snapshot_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique snapshot identifier.",
      "type": "number"
    },
    "name": {
      "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "timestamp": {
      "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory for the snapshot.",
      "type": "string"
    },
    "policy_id": {
      "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
      "type": "number"
    },
    "expiration": {
      "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires.",
      "type": "string"
    },
    "in_delete": {
      "description": "Specifies whether the snapshot is in the process of being deleted.",
      "type": "boolean"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique snapshot identifier.",
      "type": "number"
    },
    "name": {
      "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "timestamp": {
      "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory for the snapshot.",
      "type": "string"
    },
    "policy_id": {
      "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
      "type": "number"
    },
    "expiration": {
      "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires.",
      "type": "string"
    },
    "in_delete": {
      "description": "Specifies whether the snapshot is in the process of being deleted.",
      "type": "boolean"
    }
  }
}
```

## DELETE

Deletes a snapshot.

## Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes
<code>If-Match</code>	ETag for expected version	No

## Response

### Codes

Code	Description
202	Return value on success

## PATCH

Modifies a snapshot.

## Parameters

Name	Description	Required
<code>id</code>	Snapshot identifier	Yes
<code>If-Match</code>	ETag for expected version	No

## Request

### Schema

```
{
  "description": "api_snapshot_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique snapshot identifier.",
      "type": "number"
    },
    "name": {
      "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "timestamp": {
      "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory for the snapshot.",
      "type": "string"
    },
    "policy_id": {
      "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
      "type": "number"
    },
    "expiration": {
      "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires.",
      "type": "string"
    },
    "in_delete": {
      "description": "Specifies whether the snapshot is in the process of being deleted.",
      "type": "boolean"
    }
  }
}
```



## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_info",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique snapshot identifier.",
      "type": "number"
    },
    "name": {
      "description": "The snapshot name as it appears in the .snapshot directory over SMB or NFS.",
      "type": "string"
    },
    "timestamp": {
      "description": "The snapshot creation timestamp, encoded as RFC 3339, a normalized subset of ISO 8601.",
      "type": "string"
    },
    "source_file_id": {
      "description": "The source file ID of the directory for the snapshot.",
      "type": "string"
    },
    "policy_id": {
      "description": "The policy ID from which this snapshot was created, or null if this snapshot was created manually.",
      "type": "number"
    },
    "expiration": {
      "description": "The snapshot expiration time, encoded as RFC 3339, a normalized subset of ISO 8601. If expiration time is null, the snapshot never expires.",
      "type": "string"
    },
    "in_delete": {
      "description": "Specifies whether the snapshot is in the process of being deleted.",
      "type": "boolean"
    }
  }
}
```

# snapshots/{id}/lock

## Endpoint

`/v3/snapshots/{id}/lock`

## POST

Lock the specified snapshot. The only modification you can make to a locked snapshot is extending its expiration time.

### Parameters

Name	Description	Required
<code>id</code>	The snapshot identifier.	Yes

### Request

#### Schema

```
{
  "description": "api_snapshot_lock",
  "type": "object",
  "properties": {
    "lock_key_ref": {
      "description": "lock_key_ref",
      "type": "string"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_lock",
  "type": "object",
  "properties": {
    "lock_key_ref": {
      "description": "lock_key_ref",
      "type": "string"
    }
  }
}
```

# snapshots/{id}/unlock

## Endpoint

`/v3/snapshots/{id}/unlock`

## POST

Unlock the specified snapshot. After you unlock a snapshot, you can modify it.

### Parameters

Name	Description	Required
<code>id</code>	The snapshot identifier.	Yes

### Request

#### Schema

```
{
  "description": "api_snapshot_unlock",
  "type": "object",
  "properties": {
    "signature": {
      "description": "signature",
      "type": "string"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success

# snapshots/{id}/unlock-challenge

## Endpoint

`/v3/snapshots/{id}/unlock-challenge`

## GET

Generate a snapshot unlock challenge to provide in the subsequent unlock call.

### Parameters

Name	Description	Required
<code>id</code>	The snapshot identifier.	Yes

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_snapshot_unlock_challenge",
  "type": "object",
  "properties": {
    "challenge": {
      "description": "challenge",
      "type": "string"
    }
  }
}
```

# snapshots/{newer\_id}/changes-since/{older\_id}

## Endpoint

`/v2/snapshots/{newer_id}/changes-since/{older_id}`

## GET

Returns a list of changed files and directories between two snapshots.

### Parameters

Name	Description	Required
<code>newer_id</code>	Newer snapshot	Yes
<code>older_id</code>	Older snapshot	Yes
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

### Response

#### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_tree_diff",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "entries",
        "type": "object",
        "properties": {
          "op": {
            "type": "string",
            "enum": [
              "CREATE",
              "MODIFY",
              "DELETE"
            ],
            "description": "op:\n * `CREATE` - CREATE,\n * `DELETE` - DELETE,\n * `MODIFY` - MODIFY"
          },
          "path": {
            "description": "path",
            "type": "string"
          }
        }
      }
    }
  }
}
```



# snapshots/{newer\_id}/changes-since/{older\_id}/files/{ref}

## Endpoint

`/v2/snapshots/{newer_id}/changes-since/{older_id}/files/{ref}`

## GET

Returns a list of changed byte ranges between two snapshots of a regular file. The list includes new, modified, and deallocated regions of the file's contents.

## Parameters

Name	Description	Required
<code>newer_id</code>	Newer snapshot	Yes
<code>older_id</code>	Older snapshot	Yes
<code>ref</code>	The file ID or the absolute path to the file system object. File IDs can be found in the <code>id</code> field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.	Yes
<code>after</code>	Return entries after the given key (keys are returned in the paging object)	No
<code>limit</code>	Return no more than this many entries; the system may choose a smaller limit.	No

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "api_snapshot_file_diff",
  "type": "object",
  "properties": {
    "entries": {
      "type": "array",
      "items": {
        "description": "entries",
        "type": "object",
        "properties": {
          "type": {
            "type": "string",
            "enum": [
              "FILE_REGION_DATA",
              "FILE_REGION_HOLE"
            ],
            "description": "The type of content in the changed region of the file i
n the newer snapshot. The region may contain either data a hole.:\\n * `FILE_REGION_D
ATA` - FILE_REGION_DATA,\\n * `FILE_REGION_HOLE` - FILE_REGION_HOLE"
          },
          "offset": {
            "description": "The starting offset of the changed region in bytes.",
            "type": "string"
          },
          "size": {
            "description": "The size of the changed region in bytes.",
            "type": "string"
          }
        }
      }
    }
  }
}
```

# time/settings

## Endpoint

`/v1/time/settings`

## GET

Retrieve the server's time-management configuration. Refer to the 'Set Time Configuration' method for a description of the returned fields.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "conf_time_state",
  "type": "object",
  "properties": {
    "use_ad_for_primary": {
      "description": "Whether to use the Active Directory controller as the primary NTP server",
      "type": "boolean"
    },
    "ntp_servers": {
      "type": "array",
      "items": {
        "description": "List of NTP servers",
        "type": "string"
      }
    }
  }
}
```

## PUT

Set the server's time-management configuration.

## Parameters

Name	Description	Required
If-Match	ETag for expected version	No

## Request

### Schema

```
{
  "description": "conf_time_state",
  "type": "object",
  "properties": {
    "use_ad_for_primary": {
      "description": "Whether to use the Active Directory controller as the primary NTP server",
      "type": "boolean"
    },
    "ntp_servers": {
      "type": "array",
      "items": {
        "description": "List of NTP servers",
        "type": "string"
      }
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "conf_time_state",
  "type": "object",
  "properties": {
    "use_ad_for_primary": {
      "description": "Whether to use the Active Directory controller as the primary
NTP server",
      "type": "boolean"
    },
    "ntp_servers": {
      "type": "array",
      "items": {
        "description": "List of NTP servers",
        "type": "string"
      }
    }
  }
}
```

## PATCH

Set just the provided components of the server's time-management configuration.

### Parameters

Name	Description	Required
If-Match	Etag for expected version	No

## Request

### Schema

```
{
  "description": "conf_time_state_patch",
  "type": "object",
  "properties": {
    "use_ad_for_primary": {
      "description": "Whether to use the Active Directory controller as the primary NTP server",
      "type": "boolean"
    },
    "ntp_servers": {
      "type": "array",
      "items": {
        "description": "List of NTP servers",
        "type": "string"
      }
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "conf_time_state",
  "type": "object",
  "properties": {
    "use_ad_for_primary": {
      "description": "Whether to use the Active Directory controller as the primary
NTP server",
      "type": "boolean"
    },
    "ntp_servers": {
      "type": "array",
      "items": {
        "description": "List of NTP servers",
        "type": "string"
      }
    }
  }
}
```

# time/status

## Endpoint

`/v1/time/status`

## GET

Retrieve the time status of the underlying system

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "time_status_response",
  "type": "object",
  "properties": {
    "config": {
      "description": "config",
      "type": "object",
      "properties": {
        "use_ad_for_primary": {
          "description": "Whether to use the Active Directory controller as the primary NTP server",
          "type": "boolean"
        },
        "ntp_servers": {
          "type": "array",
          "items": {
            "description": "List of NTP servers",
            "type": "string"
          }
        }
      }
    },
    "time": {
      "description": "time",
      "type": "string"
    },
    "status": {
      "type": "string",
      "enum": [
        "TIME_NOT_SYNCHRONIZING",
        "TIME_SYNCHRONIZING"
      ],
      "description": "status:\n * `TIME_NOT_SYNCHRONIZING` - TIME_NOT_SYNCHRONIZING,\n * `TIME_SYNCHRONIZING` - TIME_SYNCHRONIZING"
    }
  }
}
```

# time/timezones

## Endpoint

`/v1/time/timezones`

## GET

Get a list of all timezones supported by Qumulo Core

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "type": "array",
  "items": {
    "type": "string"
  }
}
```

# tree-delete/jobs/

## Endpoint

`/v1/tree-delete/jobs/`

## GET

Get status of all directory-tree deletion jobs.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "tree_delete_jobs_response",
  "type": "object",
  "properties": {
    "jobs": {
      "type": "array",
      "items": {
        "description": "jobs",
        "type": "object",
        "properties": {
          "id": {
            "description": "The ID of the directory being deleted.",
            "type": "string"
          },
          "create_time": {
            "description": "The time the job was created. It may not have started a
t that time if the system was processing other jobs.",
            "type": "string"
          },
          "mode": {
            "type": "string",
            "enum": [
              "IN_PLACE",
              "PORTAL_DELETION",
              "PORTAL_EVICTION"
            ],
            "description": "The tree delete mode this job is running in.:\\n * `IN_PL
ACE` - TREE_DELETE_IN_PLACE,\\n * `PORTAL_DELETION` - TREE_DELETE_PORTAL_DELETION,\\n
* `PORTAL_EVICTION` - TREE_DELETE_PORTAL_EVICTION"
          },
          "initial_path": {
            "description": "The path of the directory at the time the job was starte
d.",
            "type": "string"
          },
          "initial_capacity": {
            "description": "Initial bytes (data and metadata) used by the tree bein
g deleted.",
            "type": "string"
          },
          "initial_directories": {
            "description": "Initial number of directories in the tree being delete
d.",
            "type": "string"
          },
          "initial_files": {

```

```
    "description": "Initial number of non-directory files in the tree being
deleted.",
    "type": "string"
  },
  "remaining_capacity": {
    "description": "Remaining bytes (data and metadata) used by the tree bei
ng deleted.",
    "type": "string"
  },
  "remaining_directories": {
    "description": "Remaining number of directories in the tree being delete
d.",
    "type": "string"
  },
  "remaining_files": {
    "description": "Remaining number of non-directory files in the tree bein
g deleted.",
    "type": "string"
  }
}
}
}
}
}
```

## POST

Start unlinking this directory and all its contents.

### Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "tree_delete_job_post",
  "type": "object",
  "properties": {
    "id": {
      "description": "The file ID or the absolute path to the file system object. File IDs can be found in the id field of responses of APIs that return file attributes. You must URL-encode the paths. The APIs & Tools page in the Qumulo Core Web UI URL-encodes the paths.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
202	Return value on success

# tree-delete/jobs/{id}

## Endpoint

`/v1/tree-delete/jobs/{id}`

## GET

Get status of directory-tree deletion on the specified directory. If the job has finished, returns 404. Also returns 404 if there was never a job on the given object

## Parameters

Name	Description	Required
<code>id</code>	Job ID (uint64)	Yes

## Response

### Codes

Code	Description
200	Return value on success



Schema

```

{
  "description": "tree_delete_job_status",
  "type": "object",
  "properties": {
    "id": {
      "description": "The ID of the directory being deleted.",
      "type": "string"
    },
    "create_time": {
      "description": "The time the job was created. It may not have started at that
time if the system was processing other jobs.",
      "type": "string"
    },
    "mode": {
      "type": "string",
      "enum": [
        "IN_PLACE",
        "PORTAL_DELETION",
        "PORTAL_EVICTION"
      ],
      "description": "The tree delete mode this job is running in.:\\n * `IN_PLACE`
- TREE_DELETE_IN_PLACE,\\n * `PORTAL_DELETION` - TREE_DELETE_PORTAL_DELETION,\\n * `PO
RTAL_EVICTION` - TREE_DELETE_PORTAL_EVICTION"
    },
    "initial_path": {
      "description": "The path of the directory at the time the job was started.",
      "type": "string"
    },
    "initial_capacity": {
      "description": "Initial bytes (data and metadata) used by the tree being delet
ed.",
      "type": "string"
    },
    "initial_directories": {
      "description": "Initial number of directories in the tree being deleted.",
      "type": "string"
    },
    "initial_files": {
      "description": "Initial number of non-directory files in the tree being delete
d.",
      "type": "string"
    },
    "remaining_capacity": {
      "description": "Remaining bytes (data and metadata) used by the tree being del
eted.",
      "type": "string"
    }
  }
}

```

```
},
"remaining_directories": {
  "description": "Remaining number of directories in the tree being deleted.",
  "type": "string"
},
"remaining_files": {
  "description": "Remaining number of non-directory files in the tree being deleted.",
  "type": "string"
}
}
```

## DELETE

Cancel directory-tree deletion on the specified directory. If the job has finished, returns 404. Also returns 404 if there was never a job on the given object

### Parameters

Name	Description	Required
<code>id</code>	Job ID (uint64)	Yes

### Response

#### Codes

Code	Description
200	Return value on success

# unconfigured/nodes/

## Endpoint

`/v1/unconfigured/nodes/`

## GET

List the unconfigured nodes discovered on the local network.

## Parameters

This resource has no parameters.

## Response

## Codes

Code	Description
200	Return value on success

Schema

```
{
  "description": "api_unconfigured_nodes_response",
  "type": "object",
  "properties": {
    "nodes": {
      "type": "array",
      "items": {
        "description": "nodes",
        "type": "object",
        "properties": {
          "uuid": {
            "description": "Unique node identifier",
            "type": "string"
          },
          "label": {
            "description": "Physically identifiable label assigned to the hardware",
            "type": "string"
          },
          "serial_number": {
            "description": "Node serial number",
            "type": "string"
          },
          "model_number": {
            "description": "Node model number",
            "type": "string"
          },
          "capacity_in_bytes": {
            "description": "Raw capacity of the node",
            "type": "string"
          },
          "node_version": {
            "description": "Version",
            "type": "object",
            "properties": {
              "revision_id": {
                "description": "revision_id",
                "type": "string"
              },
              "build_id": {
                "description": "build_id",
                "type": "string"
              },
              "flavor": {
                "description": "flavor",
                "type": "string"
              }
            }
          }
        }
      }
    }
  }
}
```

```
        "build_date": {
            "description": "build_date",
            "type": "string"
        }
    }
}
},
"current_node_uuid": {
    "description": "UUID of the current node",
    "type": "string"
}
}
}
```

# version

## Endpoint

`/v1/version`

## GET

Retrieve the version of the appliance.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

#### Schema

```
{
  "description": "api_version_info",
  "type": "object",
  "properties": {
    "revision_id": {
      "description": "revision_id",
      "type": "string"
    },
    "build_id": {
      "description": "build_id",
      "type": "string"
    },
    "flavor": {
      "description": "flavor",
      "type": "string"
    },
    "build_date": {
      "description": "build_date",
      "type": "string"
    }
  }
}
```



# upgrade/blocked

## Endpoint

`/v2/upgrade/blocked`

## GET

Check if upgrade is currently blocked.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

### Schema

```
{
  "description": "api_upgrade_blocked_response",
  "type": "object",
  "properties": {
    "is_blocked": {
      "description": "is_blocked",
      "type": "boolean"
    },
    "cluster_degraded": {
      "description": "cluster_degraded",
      "type": "boolean"
    },
    "blocked_reason": {
      "description": "blocked_reason",
      "type": "string"
    }
  }
}
```

# upgrade/commit

## Endpoint

`/v2/upgrade/commit`

## POST

Commit a prepared upgrade.

### Parameters

This resource has no parameters.

### Response

### Codes

Code	Description
202	Return value on success

# upgrade/prepare

## Endpoint

/v2/upgrade/prepare

## POST

Prepare for upgrade.

### Parameters

This resource has no parameters.

### Request

### Schema

```
{
  "description": "api_upgrade_prepare_request",
  "type": "object",
  "properties": {
    "image_path": {
      "description": "Path to image to install",
      "type": "string"
    },
    "auto_commit": {
      "description": "If true, the system will automatically commit when prepare is complete",
      "type": "boolean"
    },
    "do_rolling_reboot": {
      "description": "If true, do a rolling reboot after the upgrade is committed if doing a full platform upgrade",
      "type": "boolean"
    },
    "num_nodes_to_reboot": {
      "description": "If the number of nodes to reboot is configured and rolling reboot is enabled, your cluster reboots the specified number of nodes at a time. The number of nodes must be greater than 0 and less than or equal to the number of node failures that your cluster permits. By default, the value is the number of permitted node failures minus 1 (1 node minimum).",
      "type": "number"
    }
  }
}
```

## Response

### Codes

Code	Description
202	Return value on success

# upgrade/status

## Endpoint

`/v2/upgrade/status`

## GET

Retrieve the current status of the upgrade system. This API is deprecated in favor of `/v3/upgrade/status`.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "upgrade_status",
  "type": "object",
  "properties": {
    "state": {
      "type": "string",
      "enum": [
        "UPGRADE_STATE_IDLE",
        "UPGRADE_STATE_PREPARING",
        "UPGRADE_STATE_PREPARED",
        "UPGRADE_STATE_COMMITTING",
        "UPGRADE_STATE_COMMITTED",
        "UPGRADE_STATE_REBOOTING"
      ],
      "description": "state:\n * `UPGRADE_STATE_COMMITTED` - UPGRADE_STATE_COMMITTE
D,\n * `UPGRADE_STATE_COMMITTING` - UPGRADE_STATE_COMMITTING,\n * `UPGRADE_STATE_IDL
E` - UPGRADE_STATE_IDLE,\n * `UPGRADE_STATE_PREPARED` - UPGRADE_STATE_PREPARED,\n *
`UPGRADE_STATE_PREPARING` - UPGRADE_STATE_PREPARING,\n * `UPGRADE_STATE_REBOOTING`
- UPGRADE_STATE_REBOOTING"
    },
    "progress": {
      "description": "progress",
      "type": "number"
    },
    "settings": {
      "description": "settings",
      "type": "object",
      "properties": {
        "install_path": {
          "description": "install_path",
          "type": "string"
        },
        "target_version": {
          "description": "target_version",
          "type": "string"
        },
        "upgrade_type": {
          "type": "string",
          "enum": [
            "SOFTWARE_ONLY",
            "SOFTWARE_AND_PLATFORM"
          ],
          "description": "upgrade_type:\n * `SOFTWARE_AND_PLATFORM` - SOFTWARE_AND_P
LATFORM,\n * `SOFTWARE_ONLY` - SOFTWARE_ONLY"
        },
        "auto_commit": {

```

```
    "description": "auto_commit",
    "type": "boolean"
  },
  "do_rolling_reboot": {
    "description": "do_rolling_reboot",
    "type": "boolean"
  },
  "num_nodes_to_reboot": {
    "description": "num_nodes_to_reboot",
    "type": "number"
  }
},
"error_info": {
  "description": "error_info",
  "type": "string"
}
}
```



# upgrade/status

## Endpoint

`/v3/upgrade/status`

## GET

Retrieve the current status of the upgrade system.

### Parameters

This resource has no parameters.

### Response

#### Codes

Code	Description
200	Return value on success

Schema

```

{
  "description": "upgrade_status",
  "type": "object",
  "properties": {
    "state": {
      "type": "string",
      "enum": [
        "UPGRADE_STATE_IDLE",
        "UPGRADE_STATE_PREPARING",
        "UPGRADE_STATE_PREPARED",
        "UPGRADE_STATE_COMMITTING",
        "UPGRADE_STATE_COMMITTED",
        "UPGRADE_STATE_REBOOTING"
      ],
      "description": "state:\n * `UPGRADE_STATE_COMMITTED` - UPGRADE_STATE_COMMITTE
D,\n * `UPGRADE_STATE_COMMITTING` - UPGRADE_STATE_COMMITTING,\n * `UPGRADE_STATE_IDL
E` - UPGRADE_STATE_IDLE,\n * `UPGRADE_STATE_PREPARED` - UPGRADE_STATE_PREPARED,\n *
`UPGRADE_STATE_PREPARING` - UPGRADE_STATE_PREPARING,\n * `UPGRADE_STATE_REBOOTING`
- UPGRADE_STATE_REBOOTING"
    },
    "progress": {
      "description": "progress",
      "type": "number"
    },
    "settings": {
      "description": "settings",
      "type": "object",
      "properties": {
        "install_path": {
          "description": "install_path",
          "type": "string"
        },
        "target_version": {
          "description": "target_version",
          "type": "string"
        },
        "upgrade_type": {
          "type": "string",
          "enum": [
            "SOFTWARE_ONLY",
            "SOFTWARE_AND_PLATFORM"
          ],
          "description": "upgrade_type:\n * `SOFTWARE_AND_PLATFORM` - SOFTWARE_AND_P
LATFORM,\n * `SOFTWARE_ONLY` - SOFTWARE_ONLY"
        },
        "auto_commit": {

```

```
    "description": "auto_commit",
    "type": "boolean"
  },
  "do_rolling_reboot": {
    "description": "do_rolling_reboot",
    "type": "boolean"
  },
  "num_nodes_to_reboot": {
    "description": "num_nodes_to_reboot",
    "type": "number"
  }
}
},
"error_info": {
  "description": "error_info",
  "type": "string"
}
}
```

# upgrade/verify-image

## Endpoint

`/v2/upgrade/verify-image`

## POST

Verify that the given image can be used to upgrade the cluster and retrieve details about the upgrade that will occur.

## Parameters

This resource has no parameters.

## Request

### Schema

```
{
  "description": "api_verify_request",
  "type": "object",
  "properties": {
    "image_path": {
      "description": "image_path",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "upgrade_verify_result",
  "type": "object",
  "properties": {
    "target_version": {
      "description": "target_version",
      "type": "string"
    },
    "upgrade_type": {
      "type": "string",
      "enum": [
        "SOFTWARE_ONLY",
        "SOFTWARE_AND_PLATFORM"
      ],
      "description": "upgrade_type:\n * `SOFTWARE_AND_PLATFORM` - SOFTWARE_AND_PLATF
ORM,\n * `SOFTWARE_ONLY` - SOFTWARE_ONLY"
    },
    "error": {
      "description": "error",
      "type": "string"
    }
  }
}
```

# web-ui/settings

## Endpoint

`/v1/web-ui/settings`

## GET

Return settings (such as the inactivity timeout) that the Web UI uses. Because the Web UI can apply these settings before the user logs in, this method doesn't require authentication.

## Parameters

This resource has no parameters.

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "web_ui_settings",
  "type": "object",
  "properties": {
    "inactivity_timeout": {
      "description": "When set, the Web UI logs out users after they are inactive for the specified time duration.",
      "type": "object",
      "properties": {
        "nanoseconds": {
          "description": "nanoseconds",
          "type": "string"
        }
      }
    },
    "login_banner": {
      "description": "When set, the Web UI shows a banner with the specified Markdown string on the login screen.",
      "type": "string"
    }
  }
}
```

## PUT

Replace all the settings that the Web UI uses. These settings take effect immediately for new UI sessions.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

### Request

#### Schema

```
{
  "description": "web_ui_settings",
  "type": "object",
  "properties": {
    "inactivity_timeout": {
      "description": "When set, the Web UI logs out users after they are inactive for the specified time duration.",
      "type": "object",
      "properties": {
        "nanoseconds": {
          "description": "nanoseconds",
          "type": "string"
        }
      }
    },
    "login_banner": {
      "description": "When set, the Web UI shows a banner with the specified Markdown string on the login screen.",
      "type": "string"
    }
  }
}
```

### Response

#### Codes

Code	Description
200	Return value on success



## Schema

```
{
  "description": "web_ui_settings",
  "type": "object",
  "properties": {
    "inactivity_timeout": {
      "description": "When set, the Web UI logs out users after they are inactive for the specified time duration.",
      "type": "object",
      "properties": {
        "nanoseconds": {
          "description": "nanoseconds",
          "type": "string"
        }
      }
    },
    "login_banner": {
      "description": "When set, the Web UI shows a banner with the specified Markdown string on the login screen.",
      "type": "string"
    }
  }
}
```

## PATCH

Replace individual Web UI settings. These settings take effect immediately for new Web UI sessions.

### Parameters

Name	Description	Required
If-Match	ETag for expected version	No

## Request

### Schema

```
{
  "description": "web_ui_settings_patch",
  "type": "object",
  "properties": {
    "inactivity_timeout": {
      "description": "When set, the Web UI logs out users after they are inactive for the specified time duration.",
      "type": "object",
      "properties": {
        "nanoseconds": {
          "description": "nanoseconds",
          "type": "string"
        }
      }
    },
    "login_banner": {
      "description": "When set, the Web UI shows a banner with the specified Markdown string on the login screen.",
      "type": "string"
    }
  }
}
```

## Response

### Codes

Code	Description
200	Return value on success

## Schema

```
{
  "description": "web_ui_settings",
  "type": "object",
  "properties": {
    "inactivity_timeout": {
      "description": "When set, the Web UI logs out users after they are inactive for the specified time duration.",
      "type": "object",
      "properties": {
        "nanoseconds": {
          "description": "nanoseconds",
          "type": "string"
        }
      }
    },
    "login_banner": {
      "description": "When set, the Web UI shows a banner with the specified Markdown string on the login screen.",
      "type": "string"
    }
  }
}
```