Veritas Access 7.4 RESTful APIs

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Worldwide (except Japan) CustomerCare@veritas.com
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1.2. Documentation

Make sure that you have the current version of the documentation. Each document displays the date of the last update on the cover page. The latest documentation is available on the Veritas website:

https://sort.veritas.com/documents

1.3. Documentation feedback

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doc.feedback@veritas.com

You can also see documentation information or ask a question on the Veritas community site:

http://www.veritas.com/community/

1.4. Veritas Services and Operations Readiness Tools (SORT)

Veritas Services and Operations Readiness Tools (SORT) is a website that provides information and tools to automate and simplify certain time-consuming administrative tasks. Depending on the product, SORT helps you prepare for installations and upgrades, identify risks in your datacenters, and improve operational efficiency. To see what services and tools SORT provides for your product, see the data sheet:

https://sort.veritas.com/data/support/SORT_Data_Sheet.pdf

2. Overview

Veritas Access is a software-defined scale-out network attached storage (NAS) solution for

unstructured data that works on commodity hardware. Veritas Access provides resiliency, multi-protocol access, and data movement to and from the public or private cloud based on policies.

2.1. About the Veritas Access RESTful APIs

Veritas Access RESTful APIs are an integral part of the Veritas approach towards Software Defined Storage (SDS). Veritas Access as a SDS offering provides granular control to an application or storage provisioning workflows through the use of RESTful APIs. RESTful APIs not only enable automation through customer scripts, which run storage administration commands against the Veritas Access cluster, but they also enable complex workflow deployments as part of storage provisioning for applications. REST allows an application or another proprietary or custom management interface to have the same management capabilities as the Veritas Access native management console. Veritas Access RESTful APIs allow the use of HTTP requests for applications or storage management workflows or as a portal to automate Veritas Access storage tasks such as:

- Provisioning
- Capacity planning
- Event monitoring
- Data placement on-premises or in the cloud
- Data deletion policies
- Replication and other tasks

2.2. Using the Veritas Access RESTful APIs

You can use the Veritas Access RESTful APIs using the curl command. You need to be authenticated first and then use the returned token in subsequent requests.

To use the Veritas Access RESTful APIs

1. Make sure that the Veritas Access GUI is running on the host.

   ```
   When you execute the Veritas Access RESTful APIs, you have to provide
   the host name and the port on which the Veritas Access GUI is running. By
   default, the GUI runs on port 14161.
   ```

2. Authenticate the user.

   ```
   curl --cookie-jar /tmp/cookies/cookies.txt -g -k -X POST -d "username=username&
   password=password" https://hostname:port/api/rest/authenticate
   ```

   ```
   username Username of the host on which the Veritas Access GUI is running.
   password Password of the host where the Veritas Access GUI is running.
   ```

```
The call returns a token.
```

3. Use the returned token and cookie.
4. Call the RESTful API.

```
curl--cookie /tmp/cookies/cookies.txt hostname:port/resturl -g -k -header
"Authorization: Bearer token"
```

```
hostname Host name on which the Veritas Access GUI is running.
port Port on which the Veritas Access GUI is running.
resturl URL for the RESTful API.
token Token that is returned in step 2.
```

```
Example:
```

```
You want to call the API to get all the disks available in the cluster.
curl --cookie /tmp/cookies/cookies.txt
https://10.182.197.183:14161/api/storage/getrecords -g -k --header "Authorization:
Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJjYWZjNmFhZTIyNzEiLCJpYXQiOjE0NzAyNz
k3ODh9.P2CTswezKv-n6wNQTSmSsePC0YBAHRI_VPWF_69yI3o"
```

2.3. How to find the Veritas Access RESTful APIs

To find the Veritas Access RESTful APIs

1. Log on to the GUI.
2. Open a browser window and enter the URL for Veritas Access.

```
Append /rest to the end of the URL in the browser window.
```

```
   Example:
https://IP address of the Veritas Access cluster:14161/rest
```

3. You can also access the RESTful APIs in the GUI by navigating to Settings > Service Management.

3. Paths

3.1. /access/iscsi/lun/clone/create

```
POST /access/iscsi/lun/clone/create
```

3.1.1. Description

Creates a clone of a specified LUN.

3.1.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
clone_name *required*	Name of the clone.	string
lun_name *required*	Name of the LUN.	string

3.1.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string

Name	Description	Schema
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.1.4. Consumes

- `application/json`

3.1.5. Produces

- `application/json`

3.2. /access/iscsi/lun/clone/list

```
GET /access/iscsi/lun/clone/list
```

3.2.1. Description

Returns the clone list.

3.2.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
target_name *optional*	Name of the target.	string

3.2.3. Responses

HTTP Code	Description	Schema
200	success	Response 200

HTTP Code	Description	Schema
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
clone_name *optional*	string
clone_type *optional*	string
date_created *optional*	integer
lun_name *optional*	string
target_name *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.2.4. Consumes

- `application/json`

3.2.5. Produces

- `application/json`

3.3. /access/iscsi/lun/create

```
POST /access/iscsi/lun/create
```

3.3.1. Description

Adds a LUN to a given target.

3.3.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
lun_name *required*	Name of the LUN.	string
option *required*	Type of LUN to be created.	string
size *required*	Size of the LUN.	string
target_name *required*	Name of the target to which the LUN is to be added.	string

3.3.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.3.4. Consumes

- `application/json`

3.3.5. Produces

- `application/json`

3.4. /access/iscsi/lun/destroy

```
POST /access/iscsi/lun/destroy
```

3.4.1. Description

Destroys the specified LUN.

3.4.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
destroy_option *optional*	Choice to destroy LUN (Default is destroy=yes).	string
lun_name *required*	Name of the LUN.	string

Name	Description	Schema
target_name *required*	Name of the target to which the specified LUN belongs.	string

3.4.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.4.4. Consumes

- `application/json`

3.4.5. Produces

- `application/json`

3.5. /access/iscsi/lun/growto

```
POST /access/iscsi/lun/growto
```

3.5.1. Description

Grows a LUN to a specified size.

3.5.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
lun_name *required*	Name of the LUN.	string
size *required*	New size to which the LUN needs to be grown.	string
target_name *required*	Name of the target to which LUN belongs.	string

3.5.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.5.4. Consumes

- `application/json`

3.5.5. Produces

- `application/json`

3.6. /access/iscsi/lun/list

```
GET /access/iscsi/lun/list
```

3.6.1. Description

Returns the list of LUNs.

3.6.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
target_name *required*	Name of the target.	string

3.6.3. Responses

HTTP Code	Description	Schema
200	success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
fs_name *optional*	string
lun_name *optional*	string
lun_size *optional*	integer
lun_type *optional*	string
target_name *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.6.4. Consumes

- `application/json`

3.6.5. Produces

- `application/json`

3.7. /access/iscsi/lun/shrinkto

```
POST /access/iscsi/lun/shrinkto
```

3.7.1. Description

Shrinks LUN to a specified size.

3.7.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
lun_name *required*	Name of the LUN.	string
size *required*	New size to which the LUN needs to be shrink.	string
target_name *required*	Name of the target to which the specified LUN belongs.	string

3.7.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.7.4. Consumes

- `application/json`

3.7.5. Produces

- `application/json`

3.8. /access/iscsi/lun/snapshot/create

```
POST /access/iscsi/lun/snapshot/create
```

3.8.1. Description

Creates a LUN snapshot.

3.8.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
lun_name *required*	Name of the LUN.	string
snapshot_name *required*	Name of the snapshot.	string

3.8.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.8.4. Consumes

- `application/json`

3.8.5. Produces

- `application/json`

3.9. /access/iscsi/lun/snapshot/destroy

```
POST /access/iscsi/lun/snapshot/destroy
```

3.9.1. Description

Destroys a LUN snapshot.

3.9.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
lun_name *required*	Name of the LUN.	string
snapshot_name *required*	Name of the snapshot.	string

3.9.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.9.4. Consumes

- `application/json`

3.9.5. Produces

- `application/json`

3.10. /access/iscsi/lun/snapshot/list

```
GET /access/iscsi/lun/snapshot/list
```

3.10.1. Description

Gets the list of LUN snapshots.

3.10.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
target_name *optional*	Name of the snapshot.	string

3.10.3. Responses

HTTP Code	Description	Schema
200	success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
date_created *optional*	integer
lun_name *optional*	string
snapshot_name *optional*	string
snapshot_type *optional*	string
target_name *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.10.4. Consumes

- `application/json`

3.10.5. Produces

- `application/json`

3.11. /access/iscsi/lun/snapshot/restore

```
POST /access/iscsi/lun/snapshot/restore
```

3.11.1. Description

Restores a LUN snapshot.

3.11.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
lun_name *required*	Name of the LUN.	string
snapshot_name *optional*	Name of the snapshot.	string

3.11.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string

Name	Description	Schema
message *optional*	Not able to retrieve information from the server.	string

3.11.4. Consumes

- `application/json`

3.11.5. Produces

- `application/json`

3.12. /access/iscsi/service/start

```
POST /access/iscsi/service/start
```

3.12.1. Description

Starts the iSCSI service.

3.12.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create task.	string

3.12.3. Consumes

- `application/json`

3.12.4. Produces

- `application/json`

3.13. /access/iscsi/service/status

```
GET /access/iscsi/service/status
```

3.13.1. Description

Returns the status of the iSCSI service.

3.13.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
node *optional*	string
status *optional*	string

Response 400

Name	Schema
error_summary *optional*	string

Name	Schema
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create task.	string

3.13.3. Consumes

- `application/json`

3.13.4. Produces

- `application/json`

3.14. /access/iscsi/service/stop

```
POST /access/iscsi/service/stop
```

3.14.1. Description

Stops the iSCSI service.

3.14.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create task.	string

3.14.3. Consumes

- `application/json`

3.14.4. Produces

- `application/json`

3.15. /access/iscsi/target/auth/incominguser/add

```
POST /access/iscsi/target/auth/incominguser/add
```

3.15.1. Description

Adds authentication to the target.

3.15.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
password *required*	Password for user.	string
target_name *required*	Name of the target.	string

Name	Description	Schema
user_name *required*	User name.	string

3.15.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.15.4. Consumes

- `application/json`

3.15.5. Produces

- `application/json`

3.16. /access/iscsi/target/auth/incominguser/delete

```
POST /access/iscsi/target/auth/incominguser/delete
```

3.16.1. Description

Removes authentication from the target.

3.16.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
target_name *required*	Name of the target.	string
user_name *required*	User Name.	string

3.16.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string

Name	Description	Schema
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.16.4. Consumes

- `application/json`

3.16.5. Produces

- `application/json`

3.17. /access/iscsi/target/create

```
POST /access/iscsi/target/create
```

3.17.1. Description

Creates an iSCSI target.

3.17.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
name *required*	Name of the target.	string

3.17.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200

HTTP Code	Description	Schema
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is misisng at least one parameter. Check once again	string
message *optional*	The command is misisng at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.17.4. Consumes

- `application/json`

3.17.5. Produces

- `application/json`

3.18. /access/iscsi/target/destroy

```
POST /access/iscsi/target/destroy
```

3.18.1. Description

Destroys the iSCSI target available on Veritas Access.

3.18.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
name *required*	Name of the target.	string

3.18.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.18.4. Consumes

- `application/json`

3.18.5. Produces

- `application/json`

3.19. /access/iscsi/target/list

```
GET /access/iscsi/target/list
```

3.19.1. Description

Gets the list of targets available on Veritas Access.

3.19.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
name *required*	Name of the target.	string

3.19.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200

Response 200

Name	Schema
fs_list *optional*	string

Name	Schema
node_acls *optional*	string
targets *optional*	string
wwn *optional*	string

3.19.4. Consumes

- `application/json`

3.19.5. Produces

- `application/json`

3.20. /access/iscsi/target/map/add

```
POST /access/iscsi/target/map/add
```

3.20.1. Description

Maps an initiator to the target.

3.20.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
initiator_name *optional*	Name of the initiator to be mapped.	string
target_name *required*	Name of the target.	string

3.20.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400

HTTP Code	Description	Schema
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.20.4. Consumes

- `application/json`

3.20.5. Produces

- `application/json`

3.21. /access/iscsi/target/map/delete

```
POST /access/iscsi/target/map/delete
```

3.21.1. Description

Removes a mapped Initiator from the target.

3.21.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
initiator_name *required*	Name of the initiator.	string
target_name *required*	Name of the target.	string

3.21.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string

Name	Description	Schema
message *optional*	Not able to retrieve information from the server.	string

3.21.4. Consumes

- `application/json`

3.21.5. Produces

- `application/json`

3.22. /access/iscsi/target/portal/add

```
POST /access/iscsi/target/portal/add
```

3.22.1. Description

Adds a portal IP to the target.

3.22.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
target_name *required*	Name of the target.	string
vip *required*	Virtual IP to be added as portal IP.	string

3.22.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.22.4. Consumes

- `application/json`

3.22.5. Produces

- `application/json`

3.23. /access/iscsi/target/portal/delete

```
POST /access/iscsi/target/portal/delete
```

3.23.1. Description

Removes a portal IP from the target.

3.23.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
target_name *required*	Name of the target.	string
vip *required*	Virtual IP to be removed as portal IP.	string

3.23.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.23.4. Consumes

- `application/json`

3.23.5. Produces

- `application/json`

3.24. /access/iscsi/target/status

```
GET /access/iscsi/target/status
```

3.24.1. Description

Returns the target status.

3.24.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
name *required*	Name of the target.	string

3.24.3. Responses

HTTP Code	Description	Schema
200	success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
messages *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.24.4. Consumes

- `application/json`

3.24.5. Produces

- `application/json`

3.25. /access/iscsi/target/store/add

```
POST /access/iscsi/target/store/add
```

3.25.1. Description

Adds a backend store to the target.

3.25.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
fsname *required*	Name of the file system to be added as backend.	string
target_name *required*	Name of the target.	string

3.25.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400

HTTP Code	Description	Schema
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.25.4. Consumes

- `application/json`

3.25.5. Produces

- `application/json`

3.26. /access/iscsi/target/store/delete

```
POST /access/iscsi/target/store/delete
```

3.26.1. Description

Deletes the backend store from the target.

3.26.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
fsname *required*	Name of the file system to be deleted as backend.	string
target_name *required*	Name of the target.	string

3.26.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Veritas Access REST API is invoked.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string

Name	Description	Schema
message *optional*	Not able to retrieve information from the server.	string

3.26.4. Consumes

- `application/json`

3.26.5. Produces

- `application/json`

3.27. /cloud/addSubscription

```
POST /cloud/addSubscription
```

3.27.1. Description

Add cloud subscriptions

3.27.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
accessKey *required*	Access key for the cloud.	string
delete_key_file *required*	By default the value is no, If the value is yes, then the jsonfile will be deleted once the subscription is created.	string
end_point *required*	end point for S3_COMPATIBLE provider.	string
jsonfilepath *required*	filepath where the json file is stored in the node.	string
provider *required*	Provider can be GOOGLE/ALIBABA/AWS/AWS_GOVCLOUD_US/AZURE/S3_COMPATIBLE	string
secretKey *required*	Secret key for the cloud.	string

Name	Description	Schema
storage_account *required*	AZURE storage account name	string
subscriptionName *required*	subscription name to be created.	string

3.27.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Add cloud subscription task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Missed a required parameter	string
message *optional*		string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to add cloud subscription.	string
message *optional*	Add cloud subscription task failed.	string

3.27.4. Consumes

- `application/json`

3.27.5. Produces

- `application/json`

3.28. /events/eventlist

```
GET /events/eventlist
```

3.28.1. Description

Get all EventList or based on severity or searchText

3.28.2. Parameters

Type	Name	Description	Schema
Query	**limit** *optional*	Number of events to be fetched.	number
Query	**offset** *optional*	Events to be fetched from the specified offset.	number
Query	**searchText** *optional*	Objecttype or Objectname can be searched	string
Query	**severity** *optional*	Type of event.	string
Query	**sortColumn** *optional*	Type of column to be sorted.	string
Query	**sortOrder** *optional*	Order of column to be sorted.	string

3.28.3. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
CATEGORY_ID *optional*	Category ID	string

Name	Description	Schema
CREATED_TIME *optional*	Created Time of the event	string
Event_Key *optional*	Event_Key	string
INSERTION_STRINGS *optional*	@ separated strings	string
NAME *optional*	Category Name	string
OBJECTID *optional*	ObjectId	string
OBJECTNAME *optional*	Object Name	string
OBJECTTYPE *optional*	ObjectType can be server, NFS, etc	string
USER *optional*	Created User of the event	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.28.4. Consumes

- `application/json`

3.28.5. Produces

- `application/json`

3.28.6. Security

Type	Name
apiKey	**ApiKeyAuth**

3.29. /events/insert_events

```
POST /events/insert_events
```

3.29.1. Description

Inserting events to the table

3.29.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
event_key *required*	Event Key	string
object_id *required*	ID of the Object on which event is generated.	string
object_name *required*	Name of the Object on which event is generated.	string
object_type *required*	Type of the Object on which event is generated.	string
parameters *required*	@ separated strings.	string

3.29.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
OUTPUT *optional*	SUCCESS or FAILURE	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to update information to the server.	string

3.29.4. Consumes

- `application/json`

3.29.5. Produces

- `application/json`

3.29.6. Security

Type	Name
apiKey	**ApiKeyAuth**

3.30. /events/purge_events

```
DELETE /events/purge_events
```

3.30.1. Description

Purging events from the table

3.30.2. Parameters

Type	Name	Description	Schema
Body	**body** *required*	Events to be purged older than the number of days specified.	body

body

Name	Schema
num_of_days *required*	string

3.30.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400

Response 200

Name	Description	Schema
message *optional*	Purge events task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

3.30.4. Consumes

- `application/json`

3.30.5. Produces

- `application/json`

3.30.6. Security

Type	Name
apiKey	**ApiKeyAuth**

3.31. /fs/add_tier

```
POST /fs/add_tier
```

3.31.1. Description

Add secondary/cloud tier to a regular/Scale-Out file system respectively

3.31.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
fs_name *required*	file system name you want to add the tier	string
fs_size *required*	The tier size	string
layout *required*	The tier layout can be simple, mirrored, mirrorred-stripe, striped, stripped-mirror,cloud. Cloud is applicable for Scale-out Filesystem, while others are applicable for regular File System.	string
nColumn *required*	Number of columns.	string
nMirror *required*	number of mirrors	string
pool_disks *required*	The underlying pools/disks you want to create the secondary tier.Required for Regular Filesystem	string
protection *required*	Protection mode.	string
provider *required*	Provider can be AWS or S3_COMPATIBLE or AZURE or GOOGLE or ALIBABA or AWS_GOVCLOUD_US	string

Name	Description	Schema
region *required*	Regions can be any of (Virginia/Oregon/California/Ireland/Singapore/Tokyo/Sydney/SaoPaulo/Ohio/Central/Mumbai/Seoul/Frankfurt/London) for AWS provider. For S3_COMPATIBLE provider, region should be none. For Azure provider, region should be none. For AWS_GOVCLOUD_US region should be none. For Google regions can be any of(Taiwan/Tokyo/Singapore/Belgium/Iowa/SouthCarolina/NorthernVirginia/Oregon/US-any-region/Europe-any-region/Asia-any-region/US/Europe/Asia). For Alibaba regions can be (Beijing/Dubai/Frankfurt/Hangzhou/HongKong/Japan/Qingdao/Shanghai/Shenzhen/SiliconValley/Singapore/Sydney/Virginia/zhangjiakou)	string
service_name *required*	Service name of the cloud subscription created.	string
stripeUnit *required*	Stripe width in kilobytes (stripeunit=128/stripeunit=256/stripeunit=512/stripeunit=1024/stripeunit=2048) [512k].	string
subTierType *required*	subTierType can be S3 or Glacier for AWS provider. S3 for S3_COMPTIBLE provider. coldline, nearline, multi-regional, regional for GOOGLE. alibaba for ALIBABA. azure for AZURE. S3, GLACIER or S3-FIPS for AWS_GOVCLOUD_US.	string
tier_name *required*	Name of the tier to be created	string

3.31.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Adding secondary tier to file system task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Missed a required parameter	string
message *optional*		string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to add secondary tier to file system.	string
message *optional*	Adding secondary tier to file system task failed.	string

3.31.4. Consumes

- `application/json`

3.31.5. Produces

- `application/json`

3.32. /fs/config_smarttier_policy

```
POST /fs/config_smarttier_policy
```

3.32.1. Description

Modify or remove the move and retaining policy for secondary tier of one particular file system

3.32.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
days *required*	Number of days, after which inactive files moves from primary to secondary tier. It is only used for modifying moving policy	string
delete_after *required*	Automatically delete the files on secondary tier after the specified days. It is only used for modifying prune policy	string

Name	Description	Schema
fs_name *required*	Name of the file system to be configured policy	string
minacctemp *required*	Minimum Access Temperature Value for moving files from secondary to primary tier. It is only used for modifying moving policy	string
operation *required*	Modify or remove the SmartTier policy. For remove, you only need to specify fs_name. For modify, you need to specify the remaining parameters	string
period *required*	Number of days in past used for calculating Access Temperature. It is only used for modifying moving policy	string
prune *required*	this operation is targetd for move normal policy or prune policy	string
tier *required*	Create files on primary or secondary tier (primary/secondary). It is only used for modifying moving policy	string

3.32.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Configuring secondary tier policy task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is misisng at least one parameter. Check once again	string
message *optional*	The command is misisng at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.32.4. Consumes

- `application/json`

3.32.5. Produces

- `application/json`

3.33. /fs/create/scale_out_fs

```
POST /fs/create/scale_out_fs
```

3.33.1. Description

Create scale out file system

3.33.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
blkSize *required*	Block size of the file system, where possible values of bytes are 1024, 2048, 4096, and 8192. Default block size is 8192	string
fs_name *required*	Name of the file system to be created	string
fs_size *required*	Size of the file system (for example 10g, 100g)	string
layout *required*	Layout of the underlying volume on which the file system is created. Possible values are simple | mirrored | striped | striped-mirror | mirrored-stripe	string
nColumn *required*	This parameter is required in case of striped, striped-mirror or mirrored-stripe file system	string
nMirror *required*	This parameter is required in case of mirrored, striped-mirror or mirrored-stripe file system	string

Name	Description	Schema
pool_disks *required*	Name of storage pool used to create file system	string
stripeUnit *required*	Stripe width of the file system, where possible values of kilobytes are 128, 256, 512, 1024, and 2048	string

3.33.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Create scale-out file system task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create task.	string

3.33.4. Consumes

- `application/json`

3.33.5. Produces

- `application/json`

3.34. /fs/extend_cloud_tier

```
POST /fs/extend_cloud_tier
```

3.34.1. Description

Extend the Azure cloud tier to add multiple storage accounts

3.34.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
cloud_provider *required*	provider should be AZURE.	string
fs_name *required*	file system name to extend Azure tier.	string
subscriptions *required*	Comma-separated Azure subscriptions.	string
tier_name *required*	Tier name to extend Azure.	string

3.34.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Extend cloud tier to file system task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Missed a required parameter	string
message *optional*		string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to extend cloud tier to file system.	string
message *optional*	Extend cloud tier to file system task failed.	string

3.34.4. Consumes

- `application/json`

3.34.5. Produces

- `application/json`

3.35. /fs/fs_by_Id/{id}

```
GET /fs/fs_by_Id/{id}
```

3.35.1. Description

Get the file system detail information including secondary tier information, if any.

3.35.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*	Id of one file system	string

3.35.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200

Response 200

Name	Schema
block_size *optional*	number
cifs_shared *optional*	string
defrag_status *optional*	string
encrypted *optional*	string
file_storage_capacity *optional*	number
file_storage_used *optional*	string
fs_id *optional*	string
ftp_shared *optional*	string
fullfsck_status *optional*	string
high_watermark *optional*	string
id *optional*	string
iops_read *optional*	number
iops_total *optional*	number
iops_write *optional*	number
is_quota_enabled *optional*	string
islargefs *optional*	number
latency_read *optional*	number
latency_total *optional*	number
low_watermark *optional*	string
name *optional*	string
ncols *optional*	number

Name	Schema
nfs_shared *optional*	string
nmirros *optional*	number
offline_nodes *optional*	string
online_nodes *optional*	string
pool_names *optional*	string
region *optional*	string
resync_status *optional*	string
s3_shared *optional*	string
secondary_tier *optional*	string
service_name *optional*	string
share *optional*	string
status *optional*	string
stripe_unit *optional*	string
subsys_id *optional*	string
throughput_read *optional*	number
throughput_total *optional*	number
throughput_write *optional*	number
tier_layout *optional*	string
tier_name *optional*	string
tier_ncols *optional*	string
tier_nmirrors *optional*	string

Name	Schema
tier_pdevs *optional*	string
tier_pools *optional*	string
tier_protection *optional*	string
tier_size *optional*	number
tier_strip_unit *optional*	string
tier_used *optional*	number
usage *optional*	string

3.35.4. Consumes

- `application/json`

3.35.5. Produces

- `application/json`

3.36. /fs/get_policies

```
GET /fs/get_policies
```

3.36.1. Description

Get all the policies for all file systems

3.36.2. Responses

HTTP Code	Description	Schema
200	success	< Response 200 > array

Response 200

Name	Schema
access_temp *optional*	string

Name	Schema
atime *optional*	string
created_on_tier *optional*	string
delete_after *optional*	string
destTier *optional*	string
fs_id *optional*	string
id *optional*	string
mtime *optional*	string
name *optional*	string
operation *optional*	string
pattern *optional*	string
period *optional*	number
srcTier *optional*	string
state *optional*	string

3.36.3. Consumes

- `application/json`

3.36.4. Produces

- `application/json`

3.37. /fs/make_fs_offline

```
POST /fs/make_fs_offline
```

3.37.1. Description

Make one file system offline

3.37.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
fs_name *required*	Name of the file system to be made offline.	string

3.37.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Make file system offline task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create task.	string

3.37.4. Consumes

- `application/json`

3.37.5. Produces

- `application/json`

3.38. /fs/make_fs_online

```
POST /fs/make_fs_online
```

3.38.1. Description

Make one file system online

3.38.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
fs_name *required*	Name of the file system to be online.	string

3.38.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Make file system online task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create task.	string

3.38.4. Consumes

- `application/json`

3.38.5. Produces

- `application/json`

3.39. /fs/policy/{id}

```
GET /fs/policy/{id}
```

3.39.1. Description

Get the policy for one file system

3.39.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*	Id of one file system	string

3.39.3. Responses

HTTP Code	Description	Schema
200	success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
access_temp *optional*	string
atime *optional*	string
created_on_tier *optional*	string
delete_after *optional*	string
destTier *optional*	string
fs_id *optional*	string
id *optional*	string
mtime *optional*	string
name *optional*	string
operation *optional*	string
pattern *optional*	string
period *optional*	number
srcTier *optional*	string
state *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.39.4. Consumes

- `application/json`

3.39.5. Produces

- `application/json`

3.40. /fs/remove_smarttier

```
POST /fs/remove_smarttier
```

3.40.1. Description

Remove the secondary tier for one file system

3.40.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
fs_name *required*	Name of the file system name in which you want to remove the secondary tier.	string

3.40.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Remove secondary tier to file system task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Missed a required parameter	string
message *optional*		string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to remove secondary tier to file system.	string
message *optional*	Remove secondary tier to file system task failed.	string

3.40.4. Consumes

- `application/json`

3.40.5. Produces

- `application/json`

3.41. /fs/schedule/{id}

```
GET /fs/schedule/{id}
```

3.41.1. Description

Get the policy schedule for one file system

3.41.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*	ID of one file system	string

3.41.3. Responses

HTTP Code	Description	Schema
200	success	Response 200
400	Bad Request	Response 400

Response 200

Name	Schema
dom *optional*	number
dow *optional*	number
fs_id *optional*	string
hour *optional*	number
id *optional*	string
minute *optional*	number
month *optional*	number
node_name *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

3.41.4. Consumes

- `application/json`

3.41.5. Produces

- `application/json`

3.42. /fs/schedule_smarttier_policy

```
POST /fs/schedule_smarttier_policy
```

3.42.1. Description

Modify or remove the schedule for the policy of secondary tier of one particular file system

3.42.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
day_of_the_month *required*	Day of the month value: a number in the range 1 to 31 or *	string
day_of_the_week *required*	Day of the week,	string
fs_name *required*	Name of the file system to be configured policy schedule	string
hour *required*	Hour value: a number in the range 0 to 23 or *	string
minute *required*	Minute value: a number in the range 0 to 59 or *	string
month *required*	Minimum Access Temperature Value for moving files from secondary to primary tier.	string
nodename *optional*	Node name	string
operation *required*	Modify or remove the schedule of smarttier policy, for remove, you only need to specify fs_name, for modify, you need to specify the remaining parameters	string

3.42.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Schedule policy for file system task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	The command is missing at least one parameter. Check once again	string
message *optional*	The command is missing at least one parameter. Check once again.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.42.4. Consumes

- `application/json`

3.42.5. Produces

- `application/json`

3.43. /netbackup/configure_master_server

```
POST /netbackup/configure_master_server
```

3.43.1. Description

Configure netbackup master server

3.43.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
masterip *required*	Master server Hostname or IP address	string

3.43.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Configuring NetBackup master server task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Specify master server IP address, or hostname	string
message *optional*	Specify master server IP address, or hostname	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to configure NetBackup master server.	string
message *optional*	Configuring NetBackup master server task failed.	string

3.43.4. Consumes

- `application/json`

3.43.5. Produces

- `application/json`

3.44. /netbackup/configure_media_server

```
POST /netbackup/configure_media_server
```

3.44.1. Description

Configure netbackup media server

3.44.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
mediaip *required*	Media server Hostname or IP address	string

3.44.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Configuring NetBackup media server task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string

Name	Schema
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to configure netbackup media server.	string
message *optional*	Configure netbackup media server task failed.	string

3.44.4. Consumes

- `application/json`

3.44.5. Produces

- `application/json`

3.45. /netbackup/delete_media_server

```
POST /netbackup/delete_media_server
```

3.45.1. Description

Delete NetBackup media server

3.45.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
mediaip *required*	Media server hostname or IP address	string

3.45.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200

HTTP Code	Description	Schema
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Delete NetBackup media server task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Delete netbackup media server task failed	string
message *optional*	Delete NetBackup media server task failed.	string

3.45.4. Consumes

- `application/json`

3.45.5. Produces

- `application/json`

3.46. /netbackup/reset_master_server

```
POST /netbackup/reset_master_server
```

3.46.1. Description

Unconfigure NetBackup master server

3.46.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Unconfigure NetBackup master server task is initiated. Use task ID to check status of the task	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Unconfigure NetBackup master server task failed	string
message *optional*	Unconfigure NetBackup master server task failed.	string

3.46.3. Consumes

- `application/json`

3.46.4. Produces

- `application/json`

3.47. /netbackup/reset_virtual-ip

```
POST /netbackup/reset_virtual-ip
```

3.47.1. Description

Delete virtual IP for NetBackup Client

3.47.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200

HTTP Code	Description	Schema
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Delete virtual IP address of NetBackup client task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Delete virtual IP address of NetBackup client task failed	string
message *optional*	Delete virtual IP address of NetBackup client task failed.	string

3.47.3. Consumes

- `application/json`

3.47.4. Produces

- `application/json`

3.48. /netbackup/reset_virtual_name

```
POST /netbackup/reset_virtual_name
```

3.48.1. Description

Delete virtual name for NetBackup Client

3.48.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Delete virtual name of NetBackup client task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Delete virtual name of NetBackup client task failed	string
message *optional*	Delete virtual name of NetBackup client task failed.	string

3.48.3. Consumes

- `application/json`

3.48.4. Produces

- `application/json`

3.49. /netbackup/set_virtual_ip

```
POST /netbackup/set_virtual_ip
```

3.49.1. Description

Create a virtual IP for NetBackup client

3.49.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
vip *required*	Virtual IP for NetBackup client	string

3.49.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Set virtual IP address of NetBackup client task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Missed a required parameter	string
message *optional*		string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to set virtual IP address of NetBackup client.	string
message *optional*	Set virtual IP address of NetBackup client task failed.	string

3.49.4. Consumes

- `application/json`

3.49.5. Produces

- `application/json`

3.50. /netbackup/set_virtual_name

```
POST /netbackup/set_virtual_name
```

3.50.1. Description

Create a virtual name for NetBackup Client

3.50.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
vname *required*	Virtual name for NetBackup client	string

3.50.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Set virtual name of NetBackup client task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Missed a required parameter	string
message *optional*		string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to set virtual IP address of NetBackup client.	string
message *optional*	Set virtual name of NetBackup client task failed.	string

3.50.4. Consumes

- `application/json`

3.50.5. Produces

- `application/json`

3.51. /netbackup/show_server

```
GET /netbackup/show_server
```

3.51.1. Description

Get the list of server and client configured for NetBackup

3.51.2. Responses

HTTP Code	Description	Schema
200	success	< Response 200 > array
500	Server Error	Response 500

Response 200

Name	Schema
configured *optional*	string
server_ip *optional*	string
server_type *optional*	string
virtual_ip *optional*	string
virtual_name *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch NetBackup service details.	string
message *optional*	Unable to fetch NetBackup service details.	string

3.51.3. Consumes

- `application/json`

3.51.4. Produces

- `application/json`

3.52. /netbackup/show_service

```
GET /netbackup/show_service
```

3.52.1. Description

Get the details of netbackup service

3.52.2. Responses

HTTP Code	Description	Schema
200	success	Response 200
500	Server Error	Response 500

Response 200

Name	Schema
nbu_client_state *optional*	number
nbu_sanclient_state *optional*	number
online_on_node *optional*	string
state *optional*	number

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch NetBackup service status.	string
message *optional*	Unable to fetch NetBackup service status.	string

3.52.3. Consumes

- `application/json`

3.52.4. Produces

- `application/json`

3.53. /netbackup/start_backup_service

```
POST /netbackup/start_backup_service
```

3.53.1. Description

Start Backup Service

3.53.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Start netbackup service task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to start netbackup service.	string

Name	Description	Schema
message *optional*	Start netbackup service task failed.	string

3.53.3. Consumes

- `application/json`

3.53.4. Produces

- `application/json`

3.54. /netbackup/stop_backup_service

```
POST /netbackup/stop_backup_service
```

3.54.1. Description

Stop netbackup Service

3.54.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Stop NetBackup service task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Stop netbackup service task failed	string
message *optional*	Stop NetBackup service task failed.	string

3.54.3. Consumes

- `application/json`

3.54.4. Produces

- `application/json`

3.55. /objecttags

```
POST /objecttags
```

3.55.1. Description

Post request enables caller to set tags on file system, pools, node, share, snapshot and disk objects.

3.55.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
id *required*	fs1	string
key *required*	manila	string
obj_type *required*	FS	string
value *required*	vmware123	string

3.55.3. Responses

HTTP Code	Description	Schema
200	success	Response 200
500	DB Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Successfully updated object tag.	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed updated object tag.	string
message *optional*	Failed updated object tag.	string

3.55.4. Consumes

- `application/json`

3.55.5. Produces

- `application/json`

3.56. /objecttags

```
GET /objecttags
```

3.56.1. Description

Returns tags associated with file system, pool, share, node and disk objecttags. Parameters optional.

3.56.2. Parameters

Type	Name	Description	Schema
Query	**id** *optional*	Object ID	string
Query	**key** *optional*	Any caller defined key	string
Query	**type** *optional*	One of DISK, FS, POOL, NODE, SHARE or SNAPSHOT	string

3.56.3. Responses

HTTP Code	Description	Schema
200	success	< Response 200 > array

HTTP Code	Description	Schema
500	DB Error	Response 500

Response 200

Name	Schema
id *optional*	string
key *optional*	string
obj_type *optional*	string
value *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to read database.	string
message *optional*	Unable to read database. Possible internal database error.	string

3.56.4. Consumes

- `application/json`

3.56.5. Produces

- `application/json`

3.57. /objecttags

```
DELETE /objecttags
```

3.57.1. Description

Delete will purge the tags from the database.

3.57.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
id *required*	fs1	string
key *required*	manila	string
obj_type *required*	FS	string

3.57.3. Responses

HTTP Code	Description	Schema
200	success	Response 200
500	DB Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Successfully updated object tag.	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to update object tag.	string
message *optional*	Failed to update object tag.	string

3.57.4. Consumes

- `application/json`

3.57.5. Produces

- `application/json`

3.58. /replication/auth

```
POST /replication/auth
```

3.58.1. Description

Authorizes a remote replication cluster.

3.58.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
link_name *required*	Name of the link created for replication.	string
remote_console_ip *required*	Console IPv4 or IPv6 address for remote console.	string

3.58.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Remote cluster authorized successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string

Name	Schema
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to create authorize console IP task.	string
message *optional*	Failed to create authorize console IP task.	string

3.58.4. Consumes

- `application/json`

3.58.5. Produces

- `application/json`

3.59. /replication/check_config

```
GET /replication/check_config
```

3.59.1. Description

Shows connection configuration status for a link.

3.59.2. Parameters

Type	Name	Description	Schema
Query	**link_name** *required*	Name of the link created for replication.	string

3.59.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200

Response 200

Name	Schema
local_to_remote_con *optional*	string

Name	Schema
remote_to_local_con *optional*	string

3.59.4. Consumes

- `application/json`

3.59.5. Produces

- `application/json`

3.60. /replication/create_job

```
POST /replication/create_job
```

3.60.1. Description

Creates a replication job.

3.60.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
job_name *required*	Specify a name for the replication job you want to create	string
link_name *required*	Specify one or more link names.	string
schedule_name *required*	Specify the name of the replication schedule you want to apply to the replication job.	string
src_rep_unit *required*	Specify the source replication unit. The replication unit determines the exact item (such as a file system) that you want to replicate.	string
trg_rep_unit *required*	Specify one or more target replication units.	string

3.60.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Creating replication job:job1, from src_unit to tgt_repunit1,tgt_repunit2	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to create replication job task.	string
message *optional*	Task creation failed.	string

3.60.4. Consumes

- `application/json`

3.60.5. Produces

- `application/json`

3.61. /replication/create_repl_schedule

```
POST /replication/create_repl_schedule
```

3.61.1. Description

Create replication schedule

3.61.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
day_of_the_month *optional*	Replication schedule run frequency in day of the month	number
day_of_the_week *optional*	Replication schedule run frequency in day of the week	number
hour *optional*	Replication schedule run frequency in hours	number
minutes *required*	Replication schedule run frequency in minutes [0-59]	number
month *optional*	Replication schedule run frequency in months	number
schedule_name *required*	Replication schedule name	string

3.61.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Create schedule task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate Create replication schedule task	string
message *optional*	Failed to initiate Create replication schedule task.	string

3.61.4. Consumes

- `application/json`

3.61.5. Produces

- `application/json`

3.62. /replication/create_repl_unit

```
POST /replication/create_repl_unit
```

3.62.1. Description

Create replication unit

3.62.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
repunit_entry *required*	File system direcory	string
repunit_name *required*	Replication unit name	string

3.62.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Create replication task initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate Create replication unit task	string
message *optional*	Failed to initiate Create replication unit task	string

3.62.4. Consumes

- `application/json`

3.62.5. Produces

- `application/json`

3.63. /replication/deauth

```
POST /replication/deauth
```

3.63.1. Description

Unauthorizes a remote replication cluster.

3.63.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
link_name *required*	Name of the link created for replication.	string

3.63.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Remote cluster unauthorized successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to create deauth console IP task.	string

Name	Description	Schema
message *optional*	Failed to create deauth console IP task.	string

3.63.4. Consumes

- `application/json`

3.63.5. Produces

- `application/json`

3.64. /replication/delete_keys

```
POST /replication/delete_keys
```

3.64.1. Description

Deletes target SSH key from local.

3.64.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
remote_console_ip *required*	Console IPv4 or IPv6 address for remote console.	string

3.64.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Deleting SSH key of remote cluster.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Invalid remote console IP	string
message *optional*	Remote console IP is either incorrect or not valid.	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to create Delete SSH key of remote cluster task.	string
message *optional*	Failed to create Delete SSH key of remote cluster task.	string

3.64.4. Consumes

- `application/json`

3.64.5. Produces

- `application/json`

3.65. /replication/delete_repl_schedule

```
POST /replication/delete_repl_schedule
```

3.65.1. Description

Delete replication schedule

3.65.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
schedule_name *required*	Replication schedule name	string

3.65.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Delete replication schedule task is initiated	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate Delete replication schedule task	string
message *optional*	Failed to initiate Delete replication schedule task.	string

3.65.4. Consumes

- `application/json`

3.65.5. Produces

- `application/json`

3.66. /replication/delete_repl_unit

```
POST /replication/delete_repl_unit
```

3.66.1. Description

Delete replication unit

3.66.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
repunit_name *required*	Replication unit name	string

3.66.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Delete replication unit task initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string

Name	Schema
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate Delete replication unit task.	string
message *optional*	Failed to initiate Delete replication unit task.	string

3.66.4. Consumes

- `application/json`

3.66.5. Produces

- `application/json`

3.67. /replication/destroy_job

```
POST /replication/destroy_job
```

3.67.1. Description

Destroys an existing replication job.

3.67.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
job_name *required*	Specify a name for the replication job you want to destroy.	string

3.67.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200

HTTP Code	Description	Schema
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Destroying replication job:job1	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to destroy replication job task	string
message *optional*	Task creation failed.	string

3.67.4. Consumes

- `application/json`

3.67.5. Produces

- `application/json`

3.68. /replication/disable_job

```
POST /replication/disable_job
```

3.68.1. Description

Disables a replication job.

3.68.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
job_name *required*	Specify a name for the replication job you want to disable.	string

3.68.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Disabling replication job:job1.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate Disable replication job	string
message *optional*	Failed to initiate Disable replication job.	string

3.68.4. Consumes

- `application/json`

3.68.5. Produces

- `application/json`

3.69. /replication/enable_job

```
POST /replication/enable_job
```

3.69.1. Description

Enables a replication job.

3.69.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
job_name *required*	Specify a name for the replication job you want to enable.	string

3.69.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Enabling replication job:job1.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate Enable replication job	string
message *optional*	Failed to initiate Enable replication job.	string

3.69.4. Consumes

- `application/json`

3.69.5. Produces

- `application/json`

3.70. /replication/export_keys

```
GET /replication/export_keys
```

3.70.1. Description

Gets the public SSH key from local cluster.

3.70.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200

Response 200

Name	Description	Schema
key *optional*	SSH key	string

3.70.3. Consumes

- `application/json`

3.70.4. Produces

- `application/json`

3.71. /replication/get_trgt_config_by_host

```
GET /replication/get_trgt_config_by_host
```

3.71.1. Description

Display Replication Target Configuration for the given target remote console IP

3.71.2. Parameters

Type	Name	Description	Schema
Query	**host_name** *required*	Target console IP	string

3.71.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
AUTH_TIME *optional*	string
BWLIMIT *optional*	string
ID *optional*	string
KEY_IMPORT_TIME *optional*	string
LINK_NAME *optional*	string
REMOTE_CONSOLE_IP *optional*	string
REMOTE_REPL_VIP *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch target config.	string
message *optional*	Unable to fetch target config / server error.	string

3.71.4. Consumes

- `application/json`

3.71.5. Produces

- `application/json`

3.72. /replication/import_keys

```
POST /replication/import_keys
```

3.72.1. Description

Imports remote target SSH key to local.

3.72.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
remote_console_ip *required*	Console IPv4 or IPv6 address for remote console.	string

Name	Description	Schema
replication_key *required*	SSH key of remote cluster.	string

3.72.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Import replication key of remote cluster.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to create import replication key of remote cluster task.	string
message *optional*	Failed to create import replication key of remote cluster task.	string

3.72.4. Consumes

- `application/json`

3.72.5. Produces

- `application/json`

3.73. /replication/ip_bind

```
POST /replication/ip_bind
```

3.73.1. Description

Binds a dedicated replication IPv4 or IPv6 address to the cluster.

3.73.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
ip_addr *required*	IPv4 or IPv6 address	string

3.73.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Replication IP bound successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to create start replication service task.	string
message *optional*	Task creation failed.	string

3.73.4. Consumes

- `application/json`

3.73.5. Produces

- `application/json`

3.74. /replication/ip_unbind

```
POST /replication/ip_unbind
```

3.74.1. Description

Binds a dedicated replication IPv4 or IPv6 address to the cluster.

3.74.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
ip_addr *required*	IPv4 or IPv6 address	string

3.74.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Replication IP unbind is successful.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate delete replication VIP task.	string
message *optional*	Task creation failed.	string

3.74.4. Consumes

- `application/json`

3.74.5. Produces

- `application/json`

3.75. /replication/job

```
GET /replication/job
```

3.75.1. Description

Shows details for replication jobs

3.75.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
id *required*	Replication unit ID.	string

3.75.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
DEBUG *optional*	string
ENCRYPTION *optional*	string
EXCLUNIT_NAME *optional*	string
ID *optional*	string
JOB_NAME *optional*	string
JOB_TYPE *optional*	string
LINK_NAMES *optional*	string
ROLE *optional*	string
SCHEDULE_NAME *optional*	string
SRC_REPUNIT_NAME *optional*	string
STATE *optional*	string
TGRT_REPUNIT_NAMES *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.75.4. Consumes

- `application/json`

3.75.5. Produces

- `application/json`

3.76. /replication/job_failback

```
POST /replication/job_failback
```

3.76.1. Description

only fire failback tasks

3.76.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
job_name *required*	replication job name	string
link_name *required*	local link name	string

3.76.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Failback task is initiated successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Replication failback task failed.	string
message *optional*	Replication failback task failed.	string

3.76.4. Consumes

- `application/json`

3.76.5. Produces

- `application/json`

3.77. /replication/job_failback_int

```
POST /replication/job_failback_int
```

3.77.1. Description

a command integrate all steps both at source and target

3.77.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
job_name *required*	replication job name	string
local_link *required*	local link name	string

Name	Description	Schema
remote_link *required*	remote link name	string
remote_password *required*	remote password for remote link	string
remote_username *required*	remote user name for login	string

3.77.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Failback task is initiated successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Replication failback task failed.	string
message *optional*	Replication failback task failed.	string

3.77.4. Consumes

- `application/json`

3.77.5. Produces

- `application/json`

3.78. /replication/job_failover

```
POST /replication/job_failover
```

3.78.1. Description

only fire failover tasks

3.78.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
job_name *required*	replication job name	string
link_name *required*	local link name	string

3.78.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Failover is initiated successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Replication failover task failed.	string
message *optional*	Replication failover task failed.	string

3.78.4. Consumes

- `application/json`

3.78.5. Produces

- `application/json`

3.79. /replication/job_failover_int

```
POST /replication/job_failover_int
```

3.79.1. Description

a command integrate all steps both at source and target

3.79.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
job_name *required*	replication job name	string
local_link *required*	local link name	string
remote_link *required*	remote link name	string
remote_password *required*	remote password for remote link	string
remote_username *required*	remote user name for login	string

3.79.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Failover task is initiated successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Replication failover task failed.	string
message *optional*	Replication failover task failed.	string

3.79.4. Consumes

- `application/json`

3.79.5. Produces

- `application/json`

3.80. /replication/jobs

```
GET /replication/jobs
```

3.80.1. Description

Shows list of all replication jobs

3.80.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
500	Server Error	Response 500

Response 200

Name	Schema
DEBUG *optional*	string
ENCRYPTION *optional*	string
EXCLUNIT_NAME *optional*	string
ID *optional*	string
JOB_NAME *optional*	string
JOB_TYPE *optional*	string
LINK_NAMES *optional*	string
ROLE *optional*	string
SCHEDULE_NAME *optional*	string
SRC_REPUNIT_NAME *optional*	string
STATE *optional*	string
TGRT_REPUNIT_NAMES *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.80.3. Consumes

- `application/json`

3.80.4. Produces

- `application/json`

3.81. /replication/repl_schedule

```
GET /replication/repl_schedule
```

3.81.1. Description

Display replication schedule created

3.81.2. Parameters

Type	Name	Description	Schema
Query	**id** *required*	Replication schedule ID	string

3.81.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
ASSOCIATED_JOBS *optional*	string
DAY *optional*	number

Name	Schema
HOURS *optional*	number
ID *optional*	string
MINUTES *optional*	number
MONTH *optional*	number
SCHEDULE_NAME *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch replication schedule	string
message *optional*	Unable to fetch replication schedule / server error.	string

3.81.4. Consumes

- `application/json`

3.81.5. Produces

- `application/json`

3.82. /replication/repl_schedules

```
GET /replication/repl_schedules
```

3.82.1. Description

Display replication schedules created

3.82.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
500	Server Error	Response 500

Response 200

Name	Schema
ASSOCIATED_JOBS *optional*	string
DAY *optional*	number
HOURS *optional*	number
ID *optional*	string
MINUTES *optional*	number
MONTH *optional*	number
SCHEDULE_NAME *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch replication schedule.	string
message *optional*	Unable to fetch replication schedule / server error.	string

3.82.3. Consumes

- `application/json`

3.82.4. Produces

- `application/json`

3.83. /replication/repl_unit

```
GET /replication/repl_unit
```

3.83.1. Description

Display replication unit created

3.83.2. Parameters

Type	Name	Description	Schema
Query	**id** *required*	Replication unit ID	string

3.83.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
ENTRIES *optional*		string
ID *optional*		string
JOB_NAME *optional*	replication unit job name.	string
PATHS *optional*	replication unit path.	string
PATTERNS *optional*	replication unit path pattern.	string
ROLE *optional*		string
RPUNIT_NAME *optional*	replication unit name.	string

Response 400

Name	Description	Schema
error_summary *optional*	FS name is null or empty	string
message *optional*	File system name is null or empty	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch replication unit	string
message *optional*	Unable to fetch replication unit / server error.	string

3.83.4. Consumes

- `application/json`

3.83.5. Produces

- `application/json`

3.84. /replication/repl_units

```
GET /replication/repl_units
```

3.84.1. Description

Display replication units created

3.84.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
500	Server Error	Response 500

Response 200

Name	Description	Schema
ENTRIES *optional*		string

Name	Description	Schema
ID *optional*		string
JOB_NAME *optional*	replication unit job name.	string
PATHS *optional*	replication unit path.	string
PATTERNS *optional*	replication unit path pattern.	string
ROLE *optional*		string
RPUNIT_NAME *optional*	replication unit name.	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch replication unit	string
message *optional*	Unable to fetch replication unit / server error.	string

3.84.3. Consumes

- `application/json`

3.84.4. Produces

- `application/json`

3.85. /replication/service_status

```
GET /replication/service_status
```

3.85.1. Description

Shows status of replicatio service

3.85.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200

HTTP Code	Description	Schema
500	Server Error	Response 500

Response 200

Name	Schema
links *optional*	< links > array

links

Name	Schema
console_node_db_status *optional*	string
dameon_status *optional*	string
rep_node_db_status *optional*	string
total_status *optional*	string
vip_status *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Unable to fetch replication service status / server error.	string

3.85.3. Consumes

- `application/json`

3.85.4. Produces

- `application/json`

3.86. /replication/setup_link

```
POST /replication/setup_link
```

3.86.1. Description

Sets up Replication link between two clusters.

3.86.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
local_console_ip *required*	Console IPv4 or IPv6 address for local console.	string
local_password *required*	Password for authentication on local cluster.	string
local_username *required*	Username for authentication on local cluster.	string
remote_console_ip *required*	Console IPv4 or IPv6 address for remote console.	string
remote_password *required*	Password for authentication on remote cluster.	string
remote_username *required*	Username for authentication on remote cluster.	string
source_link_name *required*	Link name on local cluster.	string
targetlinkname *required*	Link name on remote cluster.	string

3.86.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Set up replication link task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate set up replication link task.	string
message *optional*	Failed to initiate set up replication link task.	string

3.86.4. Consumes

- `application/json`

3.86.5. Produces

- `application/json`

3.87. /replication/src_config

```
GET /replication/src_config
```

3.87.1. Description

Display Replication Source Configuration

3.87.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
500	Server Error	Response 500

Response 200

Name	Schema
DAMEON_STATUS *optional*	string
ID *optional*	string
NODE_DB_STATUS *optional*	string
ONLINE_ON_NODE *optional*	string
REPL_DEVICE *optional*	string
REPL_NODE_DB_STATUS *optional*	string
REPL_VIP *optional*	string
TOTAL_STATUS *optional*	string
VIP_STATUS *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch source config.	string
message *optional*	Unable to fetch source config / server error.	string

3.87.3. Consumes

- `application/json`

3.87.4. Produces

- `application/json`

3.88. /replication/start_service

```
POST /replication/start_service
```

3.88.1. Description

Starts replication service.

3.88.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Replication service started successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to create start replication service task.	string
message *optional*	Failed to create start replication service task.	string

3.88.3. Consumes

- `application/json`

3.88.4. Produces

- `application/json`

3.89. /replication/stop_service

```
POST /replication/stop_service
```

3.89.1. Description

Stops replication service.

3.89.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Replication service stopped successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to create stop replication service task.	string
message *optional*	Failed to create stop replication service task.	string

3.89.3. Consumes

- `application/json`

3.89.4. Produces

- `application/json`

3.90. /replication/sync/unconfigure_replication

```
POST /replication/sync/unconfigure_replication
```

3.90.1. Description

Unconfigure Volume replication between two clusters.

3.90.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
fs_name *required*	Name of the file system to unconfigure replication	string
link_name *required*	Name of the link associated with file system to unconfigure replication	string

3.90.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Unconfigure Volume replication task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate unconfigure volume replication task.	string
message *optional*	Failed to initiate unconfigure volume replication task.	string

3.90.4. Consumes

- `application/json`

3.90.5. Produces

- `application/json`

3.91. /replication/sync_job

```
POST /replication/sync_job
```

3.91.1. Description

Synchronizes a replication job.

3.91.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
job_name *required*	Specify a name for the replication job you want to synchronize.	string

3.91.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Synchronizing replication job:job1.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate synchronized replication job	string
message *optional*	Task creation failed.	string

3.91.4. Consumes

- `application/json`

3.91.5. Produces

- `application/json`

3.92. /replication/trgt_config

```
GET /replication/trgt_config
```

3.92.1. Description

Display Replication Target Configuration

3.92.2. Parameters

Type	Name	Description	Schema
Query	**id** *required*	Replication unit ID.	string

3.92.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Schema
AUTH_TIME *optional*	string
BWLIMIT *optional*	string
ID *optional*	string
KEY_IMPORT_TIME *optional*	string
LINK_NAME *optional*	string
REMOTE_CONSOLE_IP *optional*	string
REMOTE_REPL_VIP *optional*	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch target config	string
message *optional*	Unable to fetch target config / server error.	string

3.92.4. Consumes

- `application/json`

3.92.5. Produces

- `application/json`

3.93. /replication/trgt_configs

```
GET /replication/trgt_configs
```

3.93.1. Description

Display Replication Target Configuration

3.93.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
500	Server Error	Response 500

Response 200

Name	Schema
AUTH_TIME *optional*	string
BWLIMIT *optional*	string
ID *optional*	string
KEY_IMPORT_TIME *optional*	string
LINK_NAME *optional*	string
REMOTE_CONSOLE_IP *optional*	string
REMOTE_REPL_VIP *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Unable to fetch target configs.	string
message *optional*	Unable to fetch target configs / server error.	string

3.93.3. Consumes

- `application/json`

3.93.4. Produces

- `application/json`

3.94. /replication/unset_link

```
POST /replication/unset_link
```

3.94.1. Description

Unsets Replication link between two clusters.

3.94.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
local_console_ip *required*	Console IPv4 or IPv6 address for local console.	string
local_password *required*	Password for authentication on local cluster.	string
local_username *required*	Username for authentication on local cluster.	string
remote_console_ip *required*	Console IPv4 or IPv6 address for remote console.	string
remote_password *required*	Password for authentication on remote cluster.	string
remote_username *required*	Username for authentication on remote cluster.	string
source_link_name *required*	Link name on local cluster.	string
targetlinkname *required*	Link name on remote cluster.	string

3.94.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Unsetup replication link task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Failed to initiate unsetup replication link task.	string
message *optional*	Failed to initiate unsetup replication link task.	string

3.94.4. Consumes

- `application/json`

3.94.5. Produces

- `application/json`

3.95. /report/fs_report

```
GET /report/fs_report
```

3.95.1. Description

Provides file sytem statistic report

3.95.2. Parameters

Type	Name	Description	Schema
Query	**fs_list** *required*	Comma-separated string of file system names.	string
Query	**interval** *required*	Interval for generating the report. Valid inputs as daily/weekly/monthly.	string

3.95.3. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Bad Request	Response 400

Response 200

Name	Description	Schema
Date *optional*	Date	string
Time *optional*	Time in milliseconds	number
fs1 *optional*	Filesystem name	string
fs2 *optional*	Filesystem name	string
fs3 *optional*	Filesystem name	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

3.95.4. Consumes

- `application/json`

3.95.5. Produces

- `application/json`

3.96. /report/full_storage_report

```
GET /report/full_storage_report
```

3.96.1. Description

Provides full storage statistic report

3.96.2. Parameters

Type	Name	Description	Schema
Query	**interval** *required*	Interval for generating the report. Valid inputs as daily/weekly/monthly.	string

3.96.3. Responses

HTTP Code	Description	Schema
200	Success	< < Response 200 > array > array

Response 200

Name	Description	Schema
Cloud Usage *optional*		number
Date *optional*	String representation of date.	string
On Prem Usage *optional*		number
Total Storage Usage *optional*		number
fsTotalSize *optional*	Total space of filesystems	number
fsUsedSize *optional*	Total space used by filesystems	number

3.96.4. Consumes

- `application/json`

3.96.5. Produces

- `application/json`

3.97. /report/pool_report

```
GET /report/pool_report
```

3.97.1. Description

Provides storage pool statistic report

3.97.2. Parameters

Type	Name	Description	Schema
Query	**interval** *required*	Interval for generating the report. Valid inputs as daily/weekly/monthly.	string
Query	**pool_list** *required*	Comma-separated string of storage pool names.	string

3.97.3. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Bad Request	Response 400

Response 200

Name	Description	Schema
Date *optional*	Date	string
Time *optional*	Time in milliseconds	number
pool1 *optional*	Pool name	string
pool2 *optional*	Pool name	string
pool3 *optional*	Pool name	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

3.97.4. Consumes

- `application/json`

3.97.5. Produces

- `application/json`

3.98. /rest/authenticate

```
POST /rest/authenticate
```

3.98.1. Description

Authenticate user

3.98.2. Parameters

Type	Name	Description	Schema
Query	**password** *required*	User password	string
Query	**username** *required*	User Name	string

3.98.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200

Response 200

Name	Description	Schema
role *optional*	User role	string
token *optional*	Access token	string

3.98.4. Consumes

- `application/json`

3.98.5. Produces

- `application/json`

3.99. /sds/activate_policy

```
POST /sds/activate_policy
```

3.99.1. Description

Activate policy using required assets

3.99.2. Parameters

Type	Name	Schema
Body	**body** *optional*	body

body

Name	Description	Schema
cloud_info *optional*	Name of the cloud subscription. This is required for LTR On-Premises Cloud policy.	string
name *required*	Policy name to be activated.	string
pool_info *required*	Name of the pool(s) used in policy activation.	string
repl_info *optional*	Target console IP. This is required for PROTECTION policy.	string
schedule_info *optional*	Schedule information. It must be in UNIX crontab format.	string

3.99.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Activate policy task is initiated.	string
task_Id *optional*	Task ID returned from the server.	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed.	string
message *optional*	Activate policy task is failed.	string

3.99.4. Consumes

- `application/json`

3.99.5. Produces

- `application/json`

3.100. /sds/deactivate_policy

```
POST /sds/deactivate_policy
```

3.100.1. Description

Deactivate policy

3.100.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
name *required*	Policy name to be deactivated	string

3.100.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Deactivate policy task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Deactivate policy task failed.	string

3.100.4. Consumes

- `application/json`

3.100.5. Produces

- `application/json`

3.101. /sds/ltr

```
POST /sds/ltr
```

3.101.1. Description

Creates file system with bucket, cloud tier attached (if required) to backup NetBackup images on Veritas Access.

3.101.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
access_key *required*	Access key created for an Active Directory (AD) user	string
bucket_size *required*	File system size to store NetBackup images. Valid units are G,T,P	string
cloud_provider *optional*	Cloud service provide name. This is required for LTR On-Premises + Cloud policy	string
cloud_region *optional*	Cloud service region. This is required for LTR On-Premises + Cloud policy	string
cloud_subscription *optional*	Name of the cloud subscription. This is required for LTR On-Premises + Cloud policy	string
cloud_tier_type *optional*	Type of cloud tier. This is required for LTR On-Premises + Cloud policy	string
fs_type *required*	Layout of the underlying volume on which the file system is created. Possible values are simple|mirror	string
not_modified_time *optional*	Not modified days. Files not modified for mentioned days will be moved to cloud. This is required for LTR On-Premises + Cloud policy	string
policy_name *required*	Policy name should be LTR On-Premises+Cloud or LTR On-Premises	string
schedule_hour *optional*	File system policy schedule hours. This is required for LTR On-Premises + Cloud policy	string

Name	Description	Schema
schedule_minutes *optional*	File system policy schedule minutes3. This is required for LTR On-Premises + Cloud policy	string
secret_key *required*	Secret key created for an Active Directory (AD) user	string

3.101.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Provisioning long-term retention storage task is initiated. Use task ID to check the status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed.	string
message *optional*	Provisioning long-term retention storage task failed.	string

3.101.4. Consumes

- `application/json`

3.101.5. Produces

- `application/json`

3.102. /sds/provision_storage

```
POST /sds/provision_storage
```

3.102.1. Description

Creates filesystem, share and/or replication based on the selected policy

3.102.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
client *required*	Client can be *, netgroup, IP address, or fully qualified domain name.	string
export_options *required*	NFS share options. The share options can be comma-separated list of ro,rw,sync,async,secure,insecure,secure_locks,insecure_locks,root_squash,no_root_squash,wdelay,no_wdelay,subtree_check,no_subtree_check,nordirplus. Some of the options are mutually exclusive. Refer to the product documentation.	string
policy_name *required*	Policy name should be PERFORMANCE, SENSITIVE_DATA or PROTECTION	string
protocol *required*	Protocol can be NFS or CIFS	string
share_details *required*		< share_details > array
share_name *required*	Share Name should be alphanumeric characters	string
size *required*	Size can range from 1 to 1023. Valid units are K,M,G,T,P	string

share_details

Name	Schema
client *optional*	string

Name	Schema
export_options *optional*	string

3.102.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Creates filesystem, share and/or replication based on the selected policy	Response 500

Response 200

Name	Description	Schema
message *optional*	Provision storage policy.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed.	string
message *optional*	Provisioning storage policy task failed.	string

3.102.4. Consumes

- `application/json`

3.102.5. Produces

- `application/json`

3.103. /settings/ntp

```
GET /settings/ntp
```

3.103.1. Description

Get NTP info

3.103.2. Responses

HTTP Code	Description	Schema
200	success	Response 200

Response 200

Name	Description	Schema
cluster_id *optional*	Cluster ID of NTP services	string
ntp_status *optional*	NTP service status: enable/disable/partly enable/ partly disable	string
server_name *optional*	NTP server name(s)	string

3.103.3. Consumes

- `application/json`

3.103.4. Produces

- `application/json`

3.104. /settings/ntp/add

```
POST /settings/ntp/add
```

3.104.1. Description

add server on ntp service

3.104.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
serverName *required*	IP(s) or server name(s)	string

3.104.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Add new NTP server task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Add new NTP server task failed	string
message *optional*	Add new NTP server task failed.	string

3.104.4. Consumes

- `application/json`

3.104.5. Produces

- `application/json`

3.105. /settings/ntp/ops

```
POST /settings/ntp/ops
```

3.105.1. Description

do operations on ntp service

3.105.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
operation *required*	sync/disable/enable	string

3.105.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Sync NTP server task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Sync NTP server task failed	string
message *optional*	Sync NTP server task failed.	string

3.105.4. Consumes

- `application/json`

3.105.5. Produces

- `application/json`

3.106. /settings/ntp/remove

```
POST /settings/ntp/remove
```

3.106.1. Description

remove server on ntp service

3.106.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
serverName *required*	IP(s) or server name(s)	string

3.106.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Remove NTP server task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Remove NTP server task failed	string
message *optional*	Remove NTP server task failed.	string

3.106.4. Consumes

- `application/json`

3.106.5. Produces

- `application/json`

3.107. /settings/ntp/set

```
POST /settings/ntp/set
```

3.107.1. Description

Set ntp service

3.107.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
serverName *required*	NTP server name will be set	string

3.107.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	New NTP settings task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	New NTP settings task failed	string
message *optional*	New NTP settings task failed.	string

3.107.4. Consumes

- `application/json`

3.107.5. Produces

- `application/json`

3.108. /settings/user/add

```
POST /settings/user/add
```

3.108.1. Description

a command to add a user

3.108.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
password *required*	new user's password	string
role *required*	system-admin | storage-admin | master	string
user *required*	new user name	string

3.108.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Add new user task is initiated successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Add new user task failed.	string
message *optional*	Add new user task failed.	string

3.108.4. Consumes

- `application/json`

3.108.5. Produces

- `application/json`

3.109. /settings/user/remove

```
POST /settings/user/remove
```

3.109.1. Description

a command to remove user

3.109.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
user *required*	User name	string

3.109.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Delete user task is initiated successfully.	string
task_Id *optional*	Task ID returned from the server	string

Response 500

Name	Description	Schema
error_summary *optional*	Delete user task failed.	string
message *optional*	Delete user task failed.	string

3.109.4. Consumes

- `application/json`

3.109.5. Produces

- `application/json`

3.110. /share/add_nfs_client

```
POST /share/add_nfs_client
```

3.110.1. Description

Add NFS client

3.110.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
client *required*	Client can be *, netgroup, IP address, or fully qualified domain name.	string
export_options *required*	NFS share options. The share options can be comma-separated list of ro,rw,sync,async,secure,insecure,secure_locks,insecure_locks,root_squash,no_root_squash,wdelay,no_wdelay,subtree_check,no_subtree_check,nordirplus. Some of the options are mutually exclusive. Refer to the product documentation.	string
path *required*	Directory path where the NFS client would access the NFS share.	string
share_details *required*	List of shareOptions.	< share_details > array

share_details

Name	Schema
client *optional*	string
export_options *optional*	string

3.110.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Add NFS client task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string

Name	Schema
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.110.4. Consumes

- `application/json`

3.110.5. Produces

- `application/json`

3.111. /share/all_shares

```
GET /share/all_shares
```

3.111.1. Description

List all the shares in the cluster.

3.111.2. Parameters

Type	Name	Description	Schema
Query	**multiprotocolCombine** *required*	yes/no If the value of multiprotocolCombine is yes, then the NFS/S3 shares are listed together, else the NFS and S3 shares are listed separately.	string

3.111.3. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Bad request	Response 400
500	Server error	Response 500

Response 200

Name	Schema
fs_name *optional*	string
fs_status *optional*	string
mount_point_type *optional*	string
parent_id *optional*	string
parent_type *optional*	string
path *optional*	string
share_name *optional*	string
status *optional*	string
subsys_id *optional*	string

Response 400

Name	Description	Schema
error_summary *optional*	Invalid Input	string
message *optional*	The input provided to list all shares is not passed in required format.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.111.4. Consumes

- `application/json`

3.111.5. Produces

- `application/json`

3.112. /share/all_shares_details_by_fsname

```
GET /share/all_shares_details_by_fsname
```

3.112.1. Description

List details of all the shares in the cluster by FileSystemName

3.112.2. Parameters

Type	Name	Description	Schema
Query	**fsname** *required*	File System Name.	string

3.112.3. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
shares *optional*		< shares > array
type *optional*	Share type CIFS/NFS or S3	string

shares

Name	Description	Schema
access_key *optional*	<account secret key>	string
account_name *optional*	<S3 account>	string
host_id *optional*		string

Name	Description	Schema
host_name *optional*		string
id *optional*	share ID	string
name *optional*	share name	string
parent_type *optional*	<Filesystem Id>	string
path *optional*	share path	string
privilege *optional*	<shareOptions of the share>	string
secret_key *optional*	<account secret key>	string
status *optional*	<status of the shareserver>	string
subsys_id *optional*		string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve Share Details information from the server.	string

3.112.4. Consumes

- `application/json`

3.112.5. Produces

- `application/json`

3.113. /share/all_shares_details_by_path

```
GET /share/all_shares_details_by_path
```

3.113.1. Description

List details of all the shares in the cluster by path

3.113.2. Parameters

Type	Name	Description	Schema
Query	**path** *required*	File System Directory path.	string

3.113.3. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
shares *optional*		< shares > array
type *optional*	Share type CIFS/NFS or S3	string

shares

Name	Description	Schema
access_key *optional*	<account secret key>	string
account_name *optional*	<S3 account>	string
host_id *optional*		string
host_name *optional*		string
id *optional*	share ID	string

Name	Description	Schema
name *optional*	share name	string
parent_type *optional*	<Filesystem Id>	string
path *optional*	share path	string
privilege *optional*	<shareOptions of the share>	string
secret_key *optional*	<account secret key>	string
status *optional*	<status of the shareserver>	string
subsys_id *optional*		string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve Share Details information from the server.	string

3.113.4. Consumes

- `application/json`

3.113.5. Produces

- `application/json`

3.114. /share/allow_cifs_permission

```
POST /share/allow_cifs_permission
```

3.114.1. Description

Allow CIFS Permission

3.114.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
allow_groups *required*	List of allowed groups.	< allow_groups > array
allow_users *required*	List of allowed users.	< allow_users > array
group *required*	CIFS groups allowed to access the share.	string
share_name *required*	Share Name of the existing CIFS share to allow the user/group to access it.	string
user *required*	CIFS user allowed to access the share.	string

allow_groups

Name	Schema
group *optional*	string

allow_users

Name	Schema
user *optional*	string

3.114.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Allow CIFS permission task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.114.4. Consumes

- `application/json`

3.114.5. Produces

- `application/json`

3.115. /share/cifs_shares

```
GET /share/cifs_shares
```

3.115.1. Description

List all the CIFS shares in the cluster.

3.115.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array

HTTP Code	Description	Schema
400	Server error	Response 400

Response 200

Name	Schema
fs_name *optional*	string
fs_status *optional*	string
mount_point_type *optional*	string
parent_id *optional*	string
parent_type *optional*	string
path *optional*	string
share_name *optional*	string
status *optional*	string
subsys_id *optional*	string

Response 400

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.115.3. Consumes

- `application/json`

3.115.4. Produces

- `application/json`

3.116. /share/cifs_shares_details_by_fsname

```
GET /share/cifs_shares_details_by_fsname
```

3.116.1. Description

List details of all the CIFS shares in the cluster by FileSystemName

3.116.2. Parameters

Type	Name	Description	Schema
Query	**fsname** *required*	File System Name.	string

3.116.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
shares *optional*		< shares > array
type *optional*	Share type CIFS	string

shares

Name	Description	Schema
host_id *optional*		string
host_name *optional*		string
id *optional*	share ID	string
name *optional*	share name	string
parent_type *optional*	Filesystem Id	string
path *optional*	share path	string

Name	Description	Schema
privilege *optional*	shareOptions of the share	string
status *optional*	Status of the shareserver	string
subsys_id *optional*		string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve CIFS Share Details information from the server.	string

3.116.4. Consumes

- `application/json`

3.116.5. Produces

- `application/json`

3.117. /share/cifs_shares_details_by_path

```
GET /share/cifs_shares_details_by_path
```

3.117.1. Description

List all the CIFS shares in the cluster by path

3.117.2. Parameters

Type	Name	Description	Schema
Query	**path** *required*	File System Directory path.	string

3.117.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
shares *optional*		< shares > array
type *optional*	Share type CIFS	string

shares

Name	Description	Schema
host_id *optional*		string
host_name *optional*		string
id *optional*	share ID	string
name *optional*	share name	string
parent_type *optional*	Filesystem Id	string
path *optional*	share path	string
privilege *optional*	shareOptions of the share	string
status *optional*	Status of the shareserver	string
subsys_id *optional*		string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve CIFS Share Details information from the server.	string

3.117.4. Consumes

- `application/json`

3.117.5. Produces

- `application/json`

3.118. /share/create_cifs_share

```
POST /share/create_cifs_share
```

3.118.1. Description

Create CIFS share

3.118.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
path *required*	Directory Path where the CIFS share will be created.	string
share_details *required*	List of shareOptions.	< share_details > array

Name	Description	Schema
share_name *required*	Share Name of the CIFS share to be created.	string
share_options *required*	CIFS share options. The share options can be comma-separated list of ro,rw,guest,noguest,oplocks,nooplocks,full_acl,no_full_acl,enable_encryption,disable_encryption,shadow_copy,hide_unreadable,veto_sys_files,enable_durable_handles,owner=ownername,group=groupname,ip=virtualip,fs_mode=fspermission,dir_mask=dirpermission,create_mask=filepermission,allow=user:@group,deny=user:@group. Some of the options are mutually exclusive. Refer to the product documentation.	string

share_details

Name	Schema
share_name *optional*	string
share_options *optional*	string

3.118.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Create CIFS share task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.118.4. Consumes

- `application/json`

3.118.5. Produces

- `application/json`

3.119. /share/create_nfs_share

```
POST /share/create_nfs_share
```

3.119.1. Description

Create NFS share

3.119.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
client *required*	Client can be *, netgroup, IP address, or fully qualified domain name.	string
export_options *required*	NFS share options. The share options can be comma-separated list of ro,rw,sync,async,secure,insecure,secure_locks,insecure_locks,root_squash,no_root_squash,wdelay,no_wdelay,subtree_check,no_subtree_check,nordirplus. Some of the options are mutually exclusive. Refer to the product documentation.	string
path *required*	Directory Path where the NFS share will be created.	string
share_details *required*	List of shareOptions.	< share_details > array

share_details

Name	Schema
client *optional*	string
export_options *optional*	string

3.119.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Create NFS share task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.119.4. Consumes

- `application/json`

3.119.5. Produces

- `application/json`

3.120. /share/delete_cifs_share

```
DELETE /share/delete_cifs_share
```

3.120.1. Description

Delete CIFS share

3.120.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
share_name *required*	CIFS share name to be deleted.	string

3.120.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Delete CIFS share task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string

Name	Schema
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.120.4. Consumes

- `application/json`

3.120.5. Produces

- `application/json`

3.121. /share/delete_nfs_share

```
DELETE /share/delete_nfs_share
```

3.121.1. Description

Delete NFS share

3.121.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
path *required*	Directory path where the NFS share will be deleted.	string

3.121.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200

HTTP Code	Description	Schema
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Delete NFS share task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.121.4. Consumes

- `application/json`

3.121.5. Produces

- `application/json`

3.122. /share/deny_cifs_permission

```
POST /share/deny_cifs_permission
```

3.122.1. Description

Deny CIFS Permission

3.122.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
allow_groups *required*	List of denied groups.	< allow_groups > array
allow_users *required*	List of denied users.	< allow_users > array
group *required*	CIFS groups denied to access the share.	string
share_name *required*	Share Name of the existing CIFS share to deny the user/group to access it.	string
user *required*	CIFS user denied to access the share.	string

allow_groups

Name	Schema
group *optional*	string

allow_users

Name	Schema
user *optional*	string

3.122.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Deny CIFS permission task is initiated.	string

Name	Description	Schema
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.122.4. Consumes

- `application/json`

3.122.5. Produces

- `application/json`

3.123. /share/modify_cifs_permission

```
POST /share/modify_cifs_permission
```

3.123.1. Description

Modify CIFS permission

3.123.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
share_name *required*	Share Name of the CIFS share to be modified.	string
share_options *required*	CIFS share options. The share options can be comma-separated list of ro,rw,guest,noguest,oplocks,nooplocks,full_acl,no_full_acl,enable_encryption,disable_encryption,shadow_copy,hide_unreadable,veto_sys_files,enable_durable_handles,owner=ownername,group=groupname,ip=virtualip,fs_mode=fspermission,dir_mask=dirpermission,create_mask=filepermission,allow=user:@group,deny=user:@group. Some of the options are mutually exclusive. Refer to the product documentation.	string

3.123.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Modify CIFS permission task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.123.4. Consumes

- `application/json`

3.123.5. Produces

- `application/json`

3.124. /share/nfs_shares

```
GET /share/nfs_shares
```

3.124.1. Description

List all the NFS shares in the cluster

3.124.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Server error	Response 400

Response 200

Name	Schema
fs_name *optional*	string
fs_status *optional*	string
mount_point_type *optional*	string
parent_id *optional*	string
parent_type *optional*	string
path *optional*	string
share_name *optional*	string
status *optional*	string
subsys_id *optional*	string

Response 400

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.124.3. Consumes

- `application/json`

3.124.4. Produces

- `application/json`

3.125. /share/nfs_shares_details_by_fsname

```
GET /share/nfs_shares_details_by_fsname
```

3.125.1. Description

List details of all the NFS shares in the cluster by FileSystemName

3.125.2. Parameters

Type	Name	Description	Schema
Query	**fsname** *required*	File System Name.	string

3.125.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
shares *optional*		< shares > array

Name	Description	Schema
type *optional*	Share type NFS	string

shares

Name	Description	Schema
host_id *optional*		string
host_name *optional*		string
id *optional*	share ID	string
name *optional*	share name	string
parent_type *optional*	<Filesystem Id>	string
path *optional*	share path	string
privilege *optional*	<shareOptions of the share>	string
status *optional*	<status of the shareserver>	string
subsys_id *optional*		string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve NFS Share Details information from the server.	string

3.125.4. Consumes

- `application/json`

3.125.5. Produces

- `application/json`

3.126. /share/nfs_shares_details_by_path

```
GET /share/nfs_shares_details_by_path
```

3.126.1. Description

List details of all the NFS shares in the cluster by path

3.126.2. Parameters

Type	Name	Description	Schema
Query	**path** *required*	File system directory path.	string

3.126.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
shares *optional*		< shares > array
type *optional*	Share type NFS	string

shares

Name	Description	Schema
host_id *optional*		string
host_name *optional*		string

Name	Description	Schema
id *optional*	share ID	string
name *optional*	share name	string
parent_type *optional*	<Filesystem Id>	string
path *optional*	share path	string
privilege *optional*	<shareOptions of the share>	string
status *optional*	<status of the shareserver>	string
subsys_id *optional*		string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve NFS Share Details information from the server.	string

3.126.4. Consumes

- `application/json`

3.126.5. Produces

- `application/json`

3.127. /share/remove_nfs_client

```
DELETE /share/remove_nfs_client
```

3.127.1. Description

Remove NFS client

3.127.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
client *required*	Client can be *, netgroup, IP address, or fully qualified domain name.	string
path *required*	Directory path where the NFS client access will be removed from the NFS share.	string
share_details *required*	List of shareOptions.	< share_details > array

share_details

Name	Schema
client *optional*	string

3.127.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	Remove NFS client task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.127.4. Consumes

- `application/json`

3.127.5. Produces

- `application/json`

3.128. /share/start_server

```
POST /share/start_server
```

3.128.1. Description

Start NFS, CIFS or S3 server

3.128.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
nfs_server_type *required*	The NFS server type is only required if the NFS server is to be started.	string
server_type *required*	Share types can be NFS, CIFS, S3, or any combination of the three.	string

Name	Description	Schema
share_server *required*	List of share types	< share_server > array

share_server

Name	Description	Schema
nfs_server_type *optional*	KNFS/GNFS	string
server_type *optional*		string

3.128.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	<NFS/CIFS/S3> server start task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Insufficient server parameter	string
message *optional*	Input parameter share_server is required.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.128.4. Consumes

- `application/json`

3.128.5. Produces

- `application/json`

3.129. /share/stop_server

```
POST /share/stop_server
```

3.129.1. Description

Stop NFS, CIFS or S3 server

3.129.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
server_type *required*	Share Types can be NFS, CIFS , S3 or any combination of the three.	string
share_server *required*	List of share types	< share_server > array

share_server

Name	Description	Schema
server_type *optional*	Sshare types	string

3.129.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server error	Response 500

Response 200

Name	Description	Schema
message *optional*	NFS/CIFS/S3 server stop task is initiated.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Insufficient server parameter	string
message *optional*	Input parameter share_server is required.	string

Response 500

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.129.4. Consumes

- `application/json`

3.129.5. Produces

- `application/json`

3.130. /snapshot/create

```
PUT /snapshot/create
```

3.130.1. Description

Create a snapshot for a particular file system.

3.130.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
fs_name *required*	Name of the file system from which the snapshot was taken	string
removable *required*	YES specifies the snapshot to be removed if the size of the disk becomes full, NO specifies otherwise	string
snapshot_name *required*	Name of the snapshot to be created	string

3.130.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Create snapshot <snapshotName> task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create task.	string

3.130.4. Consumes

- `application/json`

3.130.5. Produces

- `application/json`

3.131. /snapshot/delete

```
DELETE /snapshot/delete
```

3.131.1. Description

Delete a snapshot for a particular file system

3.131.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
fsName *required*	Name of the filesystem from which the snapshot should be deleted	string
name *required*	Name of the snapshot to be deleted	string
snapShotDetails *required*	snapshot JSON	string
snapshot *required*	List of snapshots	string

3.131.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Delete snapshot operation initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create task.	string

3.131.4. Consumes

- `application/json`

3.131.5. Produces

- `application/json`

3.132. /snapshot/restore_snapshot

```
POST /snapshot/restore_snapshot
```

3.132.1. Description

Restore a snapshot for a particular file system. User also has an option to make the file system online or not after restore

3.132.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
force_fs_online *required*	Make file system online after restore or not. If yes, specify 1. If not, specify 0	string
fs_name *required*	Name of the file system from which the snapshot took	string
snapshot_name *required*	Name of the snapshot to be restored	string

3.132.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Restore snapshot task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Description	Schema
error_summary *optional*	Missed a required parameter	string
message *optional*		string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create task.	string

3.132.4. Consumes

- `application/json`

3.132.5. Produces

- `application/json`

3.133. /storage/disk/add

```
POST /storage/disk/add
```

3.133.1. Description

Add disk(s) to storage pool

3.133.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
disks *required*	Comma-separated disks name to be added to storage pool	string
poolname *required*	Name of source storage pool	string

3.133.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Add disks to storage pool task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create add disks to storage pool task.	string

3.133.4. Consumes

- `application/json`

3.133.5. Produces

- `application/json`

3.134. /storage/disk/move

```
POST /storage/disk/move
```

3.134.1. Description

Move disk(s) from storage pool

3.134.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
destpool *required*	Name of destination storage pool	string
disks *required*	Comma-separated disks name to be moved to storage pool	string

Name	Description	Schema
sourcepool *required*	Name of source storage pool	string

3.134.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Move disks to storage pool task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create move disks to storage pool task.	string

3.134.4. Consumes

- `application/json`

3.134.5. Produces

- `application/json`

3.135. /storage/disk/remove

```
POST /storage/disk/remove
```

3.135.1. Description

Remove disk(s) from storage pool

3.135.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
disks *required*	Comma-separated disks name to be removed from storage pool	string

3.135.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Remove disks from storage pool task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create remove disks from storage pool task.	string

3.135.4. Consumes

- `application/json`

3.135.5. Produces

- `application/json`

3.136. /storage/disks

```
GET /storage/disks
```

3.136.1. Description

List all the shared disks in the cluster

3.136.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Server error	Response 400

Response 200

Name	Schema
NODE_NAMES *optional*	string
available_size *optional*	integer
device_group_name *optional*	string
enclosure *optional*	string
fs_id *optional*	string

Name	Schema
fs_name *optional*	string
health *optional*	string
id *optional*	string
name *optional*	string
path *optional*	string
serial *optional*	string
size *optional*	integer
spare *optional*	string
status *optional*	string
vendor *optional*	string
version *optional*	string

Response 400

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.136.3. Consumes

- `application/json`

3.136.4. Produces

- `application/json`

3.137. /storage/nodes

```
GET /storage/nodes
```

3.137.1. Description

List all the nodes in the cluster

3.137.2. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Server error	Response 400

Response 200

Name	Schema
nodeInfo *optional*	nodeInfo
nodeList *optional*	< nodeList > array

nodeInfo

Name	Description	Schema
architecture *optional*	architecture	string
build_version *optional*	build version	string
cpuUsed *optional*	cpu used	string
cvm_state *optional*	Master/slave state	string
family *optional*	Red hat family	string
isa_version *optional*	Access Version	string
memoryUsed *optional*		string
node *optional*	Node name	string
os_version *optional*		string
platform *optional*		string

nodeList

Name	Description	Schema
discovery *optional*		integer
id *optional*	Node ID	string
name *optional*	Node name	string
os_version *optional*		string
state *optional*	Node state	string

Response 400

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.137.3. Consumes

- `application/json`

3.137.4. Produces

- `application/json`

3.138. /storage/pool

```
GET /storage/pool
```

3.138.1. Description

List all the storage pool in the cluster

3.138.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Server error	Response 400

Response 200

Name	Schema
capacity *optional*	integer
device_group_id *optional*	string
device_group_name *optional*	string
ndevices *optional*	integer
used_size *optional*	integer

Response 400

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.138.3. Consumes

- `application/json`

3.138.4. Produces

- `application/json`

3.139. /storage/pool/create_ex

```
POST /storage/pool/create_ex
```

3.139.1. Description

Create new storage pool

3.139.2. Parameters

Type	Name	Schema
Body	**body** *required*	body

body

Name	Description	Schema
disks *required*	Comma-separated disks name to be created to storage pool	string
poolname *required*	Name of the storage pool to be created	string

3.139.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200
400	Bad Request	Response 400
500	Server Error	Response 500

Response 200

Name	Description	Schema
message *optional*	Create storage pool task is initiated. Use task ID to check status of the task.	string
task_Id *optional*	Task ID returned from the server	string

Response 400

Name	Schema
error_summary *optional*	string
message *optional*	string

Response 500

Name	Description	Schema
error_summary *optional*	Task creation failed	string
message *optional*	Failed to create storage pool task.	string

3.139.4. Consumes

- `application/json`

3.139.5. Produces

- `application/json`

3.140. /task

```
GET /task
```

3.140.1. Description

List of all tasks

3.140.2. Responses

HTTP Code	Description	Schema
200	Success	< Response 200 > array
400	Server error	Response 400

Response 200

Name	Schema
command_executed *optional*	string
display_name *optional*	string
end_time *optional*	string
id *optional*	string
is_parent *optional*	boolean
local_end_time *optional*	string
local_start_time *optional*	string
name *optional*	string
num_children *optional*	number
num_completed *optional*	string
output *optional*	string
parent_tskid *optional*	string

Name	Schema
progress *optional*	string
source *optional*	string
source_id *optional*	string
source_type *optional*	string
start_time *optional*	string
state *optional*	string
target *optional*	string
target_id *optional*	string
target_type *optional*	string
user_name *optional*	string

Response 400

Name	Description	Schema
error_summary *optional*	Server error	string
message *optional*	Not able to retrieve information from the server.	string

3.140.3. Consumes

- `application/json`

3.140.4. Produces

- `application/json`

3.140.5. Security

Type	Name
apiKey	**ApiKeyAuth**

3.141. /task/{id}

```
GET /task/{id}
```

3.141.1. Description

Get detail about a task

3.141.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*	Task Id	string

3.141.3. Responses

HTTP Code	Description	Schema
200	Success	Response 200

Response 200

Name	Schema
command_executed *optional*	string
display_name *optional*	string
end_time *optional*	string
id *optional*	string
is_parent *optional*	boolean
local_end_time *optional*	string
local_start_time *optional*	string
name *optional*	string
num_children *optional*	number
num_completed *optional*	string

Name	Schema
output *optional*	string
parent_tskid *optional*	string
progress *optional*	string
source *optional*	string
source_id *optional*	string
source_type *optional*	string
start_time *optional*	string
state *optional*	string
target *optional*	string
target_id *optional*	string
target_type *optional*	string
user_name *optional*	string

3.141.4. Consumes

- `application/json`

3.141.5. Produces

- `application/json`

3.141.6. Security

Type	Name
apiKey	**ApiKeyAuth**

4. Security

4.1. ApiKeyAuth

Type : apiKey

Name : Authorization
In : HEADER

5. Object Access APIs

5.1. About the Object Access Server

Veritas Object Access provides an implementation of the simple object access service. This section explains the details of the RESTful APIs that are supported for the object access service. The supported APIs are compatible with Amazon S3 unless specified explicitly.

Amazon S3 supports a wide range of services and APIs. The Veritas Access object access server does not support all of Amazon's APIs. Any API that is not documented in this guide should be treated as a non-supported API. There can be exceptions or differences in API behavior. Any exceptions or differences is described in this section.

- User management
- Simple storage service protocol implementation for Amazon S3. The S3 service mandates signing of every request by using access and secret keys as specified by Amazon AWS.

You can use RESTful APIs or the user helper script to create the initial access and secret keys by using the object access user management APIs. After creating the initial AWS access and secret keys, you can use these keys for S3 service object access.

5.2. About the object access user management APIs

User authentication on the Veritas Access server is done using authentication services such as NIS, LDAP, and Active Directory(AD). For authentication to work correctly, the Veritas Access cluster must be configured with the correct authentication service and user password authentication needs to work. The user and identity management APIs depend on the correct working of the background authentication services.

All of the APIs must be called in HTTP POST requests. APIs are called by providing specific URI headers. The requests and responses are encoded in XML format.

5.2.1. Common Error Response

In case of errors, the following XML response is returned to the REST client.

- Response content type is "application/xml"
- RequestID is a unique ID generated per request
- Response content type is XML with following format.

```
<?xml version="1.0" encoding="UTF-8"?>
<ErrorResponse xmlns="http://iam.amazonaws.com/doc/2010-05-08/">
  <Error>
    <Type>Sender</Type>
    <Code>AccessDenied</Code>
    <Message>Access Denied.</Message>
  </Error>
  <RequestId>8c94eebd-52c8-4a69-b96e-926af9f791a5</RequestId>
</ErrorResponse>
```

5.2.2. Create access and secret keys for a given user

Use this API to create access and secret keys for a given user. Users can create at a maximum two keys. The secret key created in this API never gets displayed again, so users need to note down the access and secret keys in a secure and accessible location.

Request Parameters

- HTTP URI Parameters - Parameter 'VRTSAction' Service request to execute, "CreateAccessKey". Parameter 'UserName' Valid username for authentication
- HTTP Header 'VRTSPassword'- Password for user. Password should be url percent encoded.

Example Request

```
http://admin.accessclus1:4567/?VRTSAction=CreateAccessKey
&UserName=user1
&Version=2010-05-08

VRTSPassword: urlencode(password)
```

Example Response

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateAccessKeyResponse xmlns="http://iam.amazonaws.com/doc/2010-05-08/">
  <CreateAccessKeyResult>
    <AccessKey>
      <UserName>user1</UserName>
      <AccessKeyId>YTEzYjdhZGZkMzcwMmE</AccessKeyId>
      <Status>Active</Status>
      <SecretAccessKey>ZGJjYWJjNTZkOWRjYTkwODU4OWMyM2Y5YjI1ODE</SecretAccessKey>
    </AccessKey>
  </CreateAccessKeyResult>
  <ResponseMetadata>
    <RequestId>e101ac91-8a0b-4251-afa2-a6ee0411c59b</RequestId>
  </ResponseMetadata>
</CreateAccessKeyResponse>
```

Possible Error Response

- **Success HTTP** status code 200.
- **AccessDenied** Request was rejected because user authentication failed. HTTP status code 403.
- **NoSuchEntity** Request was rejected because referenced entity does not exits. HTTP status code 404.
- **InternalError** Request failed because of an internal server error. HTTP status code 500.
- **LimitExceeded** The request was rejected because it attempted to create/delete resources beyond the current account limits. HTTP status code 409.

5.2.3. Delete access and secret key for User

Delete access key. Users must provide a valid access key, username, and password. Use this API to delete the access key. Users must provide a valid access key, username, and password.

Request Parameters

- HTTP URI Parameters - Parameter 'VRTSAction' Service request to execute, "DeleteAccessKey" Parameter 'UserName' Valid username for authentication Parameter 'AccessKeyId' Access key ID to delete.
- HTTP Header 'VRTSPassword'- Password for user. Password should be url percent encoded.

Example Request

```
http://admin.accessclus1:4567/?VRTSAction=DeleteAccessKey
&UserName=user1
&Version=2010-05-08
&AccessKeyId=ZjhmZjM4ODEwN2ZhZGQ

VRTSPassword: urlencode(password)
```

Example Response

```
<DeleteAccessKeyResponse xmlns="https://iam.amazonaws.com/doc/2010-05-08/">
  <ResponseMetadata>
    <RequestId>7a62c49f-347e-4fc4-9331-6e8eEXAMPLE</RequestId>
  </ResponseMetadata>
</DeleteAccessKeyResponse>
```

Possible Error Response

- **Success** HTTP status code 200.
- **AccessDenied** Request was rejected because user authentication failed. HTTP status code 403.
- **NoSuchEntity** Request was rejected because referenced entity does not exits. HTTP status code 404.

- **InternalError** Request failed because of an internal server error. HTTP status code 500.

5.2.4. List access keys for user

Use this API to list access keys created by the user. Users must provide a valid username and password.

Request Parameters

- HTTP URI Parameters - Parameter 'VRTSAction' Service request to execute "ListAccessKeys" Parameter 'UserName' Valid username for authentication
- HTTP Header parameter 'VRTSPassword': Password for user. Password should be url percent encoded.

Example Request

```
http://admin.accessclus1:4567/?VRTSAction=ListAccessKeys
&UserName=user1
&Version=2010-05-08

VRTSPassword: urlencode(password)
```

Example Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ListAccessKeysResponse xmlns="http://iam.amazonaws.com/doc/2010-05-08/">
  <ListAccessKeysResult>
    <UserName>support</UserName>
    <AccessKeyMetadata>
      <member>
        <UserName>support</UserName>
    <AccessKeyId>YTEzYjdhZGZkMzcwMmE</AccessKeyId>
    <Status>Active</Status>
      </member>
      <member>
        <UserName>support</UserName>
    <AccessKeyId>YWU4NGRiYzRjNjQ5NGZ</AccessKeyId>
    <Status>Active</Status>
      </member>
    </AccessKeyMetadata>
      <IsTruncated>false</IsTruncated>
  </ListAccessKeysResult>
  <ResponseMetadata>
    <RequestId>c9639b1c-eeda-11e6-8a40-0026b97fab39</RequestId>
  </ResponseMetadata>
</ListAccessKeysResponse>
```

Possible Error response

- **Success** HTTP status code 200.
- **AccessDenied** Request was rejected because user authentication failed. HTTP status code 403.
- **NoSuchEntity** Request was rejected because referenced entity does not exits. In this case there are no access keys created for given user. HTTP status code 404.
- **InternalError** Request failed because of an internal server error. HTTP status code 500.

5.3. Object Access simple storage service (S3) APIs

5.3.1. Common Error Response

In case of error following xml response is returned to REST client.

- Response content type will be "application/xml"
- RequestId is unique id generated per request
- Response content will be xml of following format.

```
<?xml version="1.0" encoding="UTF-8"?>
<ErrorResponse xmlns="http://iam.amazonaws.com/doc/2010-05-08/">
  <Error>
    <Type>Sender</Type>
    <Code>AccessDenied</Code>
    <Resource>/bucket1/file.txt</Resource>
    <Message>Access Denied.</Message>
  </Error>
  <RequestId>8c94eebd-52c8-4a69-b96e-926af9f791a5</RequestId>
</ErrorResponse>
```

5.3.2. Operations on Service

GET service

Description - The GET service returns list of all buckets owned by authenticated sender. The implementation of this API is fully complaint with Amazon's GET service API.

5.3.3. Operations on Buckets

The following operations can be performed on the buckets:

Delete Bucket

Description - The DELETE Bucket API deletes the bucket. All objects in the bucket must be deleted before the bucket itself can be deleted.

Security Considerations - Only the bucket owner is allowed to perform DELETE operation.

GET Bucket (List Objects) Version 1

Description - The GET bucket API returns a list of all the objects in a bucket. You can use the request parameters as selection criteria to return a subset of the objects in a bucket. A 200 OK response can contain valid or invalid XML. Make sure to design your application to parse the contents of the response and handle it appropriately.

Differences with respect to Amazon's API - This API is not fully complaint with Amazon's List Objects API. The following is the list of differences with respect to the API response.

- *Request Parameters, delimiter* : Veritas Access supports only "/" string as delimiter. For any other String Object Access server will return S3_InvalidArgument with HTTP_BAD_REQUEST error code.
- *Request Parameters, marker* : Veritas Access expects marker which was returned by server in last request. Using object key as marker is not supported. The value of "NextMarker" of response should be used in request as marker.
- *Response*: The Keys in response will not be in lexicographical order. Application should not assume lexicographical order of response keys.

Security Considerations - Caller must have read permissions on the bucket for the GET Bucket API.

GET Bucket (List Objects) Version 2

Description - The GET bucket API returns a list of all the objects in a bucket. You can use the request parameters as a selection criteria to return a subset of the objects in a bucket. A 200 OK response can contain valid or invalid XML. Make sure to design your application to parse the contents of the response and handle it appropriately.

Differences with respect to Amazon's API - This API is not fully complaint with Amazon's List Objects API. The following is the list of differences with respect to the API response.

- *Request Parameters, delimiter* : Veritas Access supports only "/" string as delimiter. For any other string, the Object Access server will return S3_InvalidArgument with HTTP_BAD_REQUEST error code.
- *Request Parameters, fetch-owner* : Veritas Access does not support Fetch-owner request paameter.
- *Request Parameters, start-after* : Veritas Access does not support start-after request paameter.
- *Response*: The Keys in response will not be in lexicographical order. Application should not assume lexicographical order of response keys.

Security Considerations - Caller must have read permissions on the bucket for the GET Bucket API.

GET Bucket ACL

Description - The Get Bucket ACL API returns the access control list of the bucket.

Request Headers - This API uses only request headers which are common to APIs.

Security Considerations - For the Get Bucket ACL to succeed, the caller should have READ ACP permission on the bucket. For more information on ACL, refer to ACL.

GET Bucket Location

Description - The GET Bucket Location API returns the bucket's region using LocationConstraint of that object.

Differences with respect to Amazon's API - This API is not fully complaint with Amazon's Get Bucket Location API. The following is the list of differences with respect to the API response.

- *Response*: Veritas Object Access server returns an empty string as the location constraint. This empty string represents US East as the location as per the AWS guide.

Security Considerations - Caller must have read permissions on the bucket for the Get Bucket Location API.

Head Bucket

Description - The Head Bucket API is useful to determine if a bucket exists or not. The operation returns a 200 OK if the bucket exists and the user have permissions to access it. Otherwise, the operation may return responses such as "404 Not Found" and "403 Forbidden".

Security Considerations - Caller must have read permissions on the bucket for the Head Bucket API.

List Multipart Uploads

Description - The List Multipart Uploads API lists in-progress multipart uploads. An in-progress multipart upload is a multipart upload that has been initiated using the Initiate Multipart Upload request, but has not yet been completed or aborted. This operation returns at most 1,000 multipart uploads in the response and 1,000 multipart uploads is the maximum number of uploads a response can include, which is also the default value.

- *Request Parameters, delimiter* : Veritas Access supports only "/" string as delimiter. For any other string, the Object Access server will return S3_InvalidArgument with HTTP_BAD_REQUEST error code.

Security Considerations - Caller should have read permission on bucket for List Multipart Uploads API.

Put Bucket

Description - The Put Bucket API creates a new bucket. You are not permitted to create buckets using anonymous requests. You become the bucket owner when you create a bucket. The bucket name should comply with DNS-naming conventions.

Supported Request Headers

- x-amz-acl
- x-amz-grant-read
- x-amz-grant-write
- x-amz-grant-read-acp
- x-amz-grant-write-acp
- x-amz-grant-full-control

You can set the Canned ACL, grant list, or the detailed ACL using this request header. For more information on ACL, refer to ACL.

Differences with respect to Amazon's API - This API is not fully complaint with Amazon's Put Bucket API. The following request elements are ignored by the server.

- CreateBucketConfiguration
- LocationConstraint

Security Considerations - Only a caller with a valid access and secret key can create a bucket on the server.

Put Bucket ACL

Description - Put Bucket ACL sets permission on the existing bucket by using an access control list. You can use one of two ways to set the bucket permission:

1. Specify the ACL in the request body.
2. Specify the permission using request headers. If you specify ACL in the request headers, you must use either a canned ACL or the list of x-amz-grant-<read|write|read-acp|write-acp|full-control>. You cannot use both in the same request. For more information on ACL, refer to ACL.

Supported Request Headers -

- x-amz-acl
- x-amz-grant-read
- x-amz-grant-write
- x-amz-grant-read-acp
- x-amz-grant-write-acp
- x-amz-grant-full-control

Non-Supported Request Headers/features - Veritas Access server does not support an email address in the Grantee field.

Differences with respect to Amazon's API -

- While specifying 'CanonicalUser', the user name of grantee and UID of user id needs to specified.

- The ‘DisplayName’ should be the username of the grantee which should resolve to user id in server’s authentication method (passwd/NIS/LDAP/AD).

Security Considerations - Caller should have write-acp permission for the Put Bucket ACL API.

5.3.4. Operations on Objects

Delete Object

Description - The Delete Object API deletes the specified object in the bucket.

Differences with respect to Amazon’s API - Veritas Access do not support Object versioning. So, version based object deletion is not supported and will be ignored.

- x-amz-mfa is ignored by the Veritas Delete Object API.

Security Considerations - Caller should have write permissions on the bucket to delete an object.

Get Object

Description - The Get Object API retrieves objects from an Access S3 bucket.

Differences with respect to Amazon’s API -

- Range is supported by Veritas Get Object API
- The following parameters are not supported by Veritas Get Object API:
  - If-Modified-Since
  - If-Unmodified-Since
  - If-Match
  - If-None-Match
  - Server-Side encryption

Security Considerations - Caller should have read permissions on the object for the Get object API.

Head Object

Description - The Head Object API retrieves metadata from an object without returning the object itself. This operation is used when you are only interested in an object’s metadata.

Differences with respect to Amazon’s API - The Veritas Head Object API is not fully compliant with Amazon’s Head Object API. The following request parameters are not supported:

- Range
- If-Modified-Since
- If-Unmodified-Since
- If-Match
- If-None-Match

- Server-Side encryption

Security Considerations - Caller should have read permission on object for head object API.

List Parts

Description - The List Parts API lists the parts that have been uploaded for a specific multipart upload. This request returns a maximum of 1,000 uploaded parts. The default number of parts returned is 1,000 parts.

Security Considerations - Caller should have read permission on object for list parts API. By default, the bucket owner has permission to perform list parts API.

Put Object

Description - The Put Object API adds an object to a bucket.

Supported Request Headers - Server will take appropriate action for the following request headers.

- Content-Length
- Content-MD5
- Content-Type
- Expect
- x-amz-meta
- x-amz-acl
- x-amz-grant-read
- x-amz-grant-write
- x-amz-grant-read-acp
- x-amz-grant-write-acp
- x-amz-grant-full-control For details on ACL please see ACL

Non-Supported Request Headers - Following request headers are ignored by server.

- Cache-Control
- Content-Disposition
- Content-Encoding
- Expires
- x-amz-website-redirect-location
- Server side encryption headers

Differences with respect to Amazon's API - The object created via this method will be visible to all clients immediately after the completion for the PUT operation. The server works on the following consistency guarantees: -

- For (any number of) an ongoing download, if the PUT on the same object completes successfully, the ongoing request will get data plus the metadata of old object only.
- Any new GET object request after a successful PUT operation will get the latest object.
- Requests made from different nodes of cluster will not change the above semantics.

Put Object Copy

Description - The Put Object Copy API creates a copy of an object that is already stored in the Veritas Access S3 server.

Non-Supported Request Headers - The Following headers are not supported by Put Object Copy API.

- x-amz-tagging-directive
- x-amz-website-redirect-location
- Server side encryption headers

Differences with respect to Amazon's API - The object created by this method is visible to all clients immediately after the completion for the PUT operation. The server works on the following consistency guarantees: -

- For (any number of) an ongoing download, if the PUT on the same object completes successfully, the ongoing request gets data and metadata of old object only.
- Any new GET object request after a successful PUT operation will get the latest object.
- Requests made from different nodes of cluster will not change the above semantics.

Security Considerations - User should have read permission on the source object to perform the Put Copy opertion. Public user is not allowed to perform put object copy operation.

Initiate Multipart upload

Description - The Initiate Multipart Upload API initiates a multipart upload and returns an upload ID. This upload ID is used to associate all of the parts in the specific multipart upload.

Non-Supported Request Headers - Following request headers are not supported for initiate multipart.

- Expires
- x-amz-storage-class
- x-amz-website-redirect-location
- Server side encryption headers

Complete Multipart upload

Description - The Complete Multipart Upload API completes a multipart upload by assembling previously uploaded parts. This API is compliant with the Amazon's API with respect to request parameters.

Differences with respect to Amazon's API - We differ from Amazon in part numbers. The part numbers have to be compulsorily in the increments of 1. For example, the sequence (1, 3, 5, 7) will not work with the Veritas Object Access complete multipart API.

Abort Multipart Upload

Description - The Abort Multipart Upload API aborts aborts a multipart upload. After a multipart upload is aborted, no additional parts can be uploaded using that upload ID. The storage consumed by any previously uploaded parts will be freed.

Security Considerations - By default, the bucket owner and the initiator of the multipart upload are allowed to perform this action.

Upload part

Description - The Upload Part API uploads a part in a multipart upload. There is no minimum allowable part size for a multipart upload.

Non-Supported Request Headers - The following request headers are not supported for upload part.

- Expect
- Server side encryption headers

Upload part copy

Description - The Upload part copy API uploads a part by copying data from an existing object as data source. You specify the data source by adding the request header x-amz-copy-source in your request and a byte range by adding the request header x-amz-copy-source-range in your request. There is no minimum allowable part size for a multipart upload.

Non-Supported Request Headers - Following request headers are not supported for upload part.

- Expect
- Server side encryption headers
- Versioning

Security Considerations - User should have read permission on the source object to perform upload part copy opertion.

5.3.5. Access Control Lists (ACL) in Veritas Object Access server

The access control list enables users to manage and share buckets or objects in the Veritas Object Access server. Every bucket and Object has an associated ACL. This ACL defines which user/group will get what type of access for given resources.

What resource I can grant permissions

- Bucket

- Objects in buckets

What type of Permissions I can grant

- **Read**: This permission allows user to read content of resource.
- **Write**: This permission allows user to write new/delete existing content of resource.
- **Read ACP**: This permission allows user to read contents of ACL set on resource.
- **Write ACP**: This permission allows user to edit contents of ACL set on resource.
- **Full Control**: This permission allows users to perform all above operations.

To whom I can grant permissions

- Users (By using Canonical user ID)
- Predefined Groups (By using group URI), Following predefined groups are supported:
  - Authenticated Users group - This group is represented by URI, http://acs.amazonaws.com/groups/global/AuthenticatedUsers. This group represents all users who are requesting a resource or action by using a valid access and secret key. The request must be authenticated or signed.
  - All Users group - This group is represented by URI, http://acs.amazonaws.com/groups/global/AllUsers All non-signed/authenticated requests are considered as an anonymous request. To get access for an anonymous request, the resource must have required permissions for AllUsers group. **Veritas Object Access server maps 'all user group' to user id 'nobody'**.
  - Log Delivery group - This group is represented by URI, http://acs.amazonaws.com/groups/s3/LogDelivery Permission set of this group will be ignored for now, Since Veritas Object Access server do not support bucket logging.

How permissions work on bucket

- **Read**: This permission allows caller to list objects in bucket and Head bucket.
- **Write**: This permission allows caller create/delete objects in bucket.
- **Read-ACP**: This permission allows caller read bucket ACL by using Get Bucket ACL API.
- **Write-ACP**: This permission allows caller set new set of ACLs on bucket.
- **Full Control**: This permission allows caller to list object, list ACL, create/delete objects and set new ACLs on bucket.

How permissions work on object

- **Read**: This permission allows caller to download (GET + HEAD) object.
- **Write**: This permission is ignored for object.
- **Read-ACP**: This permission allows caller read object ACL by using Get Object ACL API.
- **Write-ACP**: This permission allows caller set new set of ACLs on object.
- **Full Control**: This permission allows caller to GET/HEAD object, list ACL and set new ACLs on object.

How to set permissions on resources

There are 3 ways to set permissions on resource. You can use any of either three ways to set permission on new resource or existing resources. The resource can be object or it can be bucket.

- Setting ACL using request header x-amz-acl i.e. "Canned ACL"
- Setting ACL using Grant header
- Setting ACL using complete details in request body.

The section below explains each approach in more detail.

Setting ACL using request header x-amz-acl i.e. "Canned ACL"

A user can set an ACL on a resource by using the request header x-amz-acl. This request header covers a set of permissions. The following are the list of the Canned ACLs supported by the Veritas Object Access Server. You can use this header in the create bucket/object call.

- private (Applies to:Bucket and Object) With this ACL, only the owner has full control. If there is no ACL set on the object or if the object is created by some other protocol, this default ACL will be set by the server.
- public-read (*Applies to: Bucket and Object*) The resource owner has full control and S3 All users group has read access.
- public-read-write (*Applies to: Bucket and Object*) The resource owner has full control and S3 All users group has read-write access. Setting this ACL on a bucket is not recommended.
- aws-exec-read: This ACL is not supported by the Veritas Object Access Server and will be ignored.
- authenticated-read (*Applies to: Bucket and Object*): The resource owner has full control and S3 AuthenticatedUsers group has read access.
- bucket-owner-read (*Applies to: Object*): The resource owner has full control and the bucket owner has read access.
- bucket-owner-full-control (*Applies to: Object*) The resource owner has full control and the bucket owner has full control.
- log-delivery-write: This ACL is not supported by the Veritas Object Access Server and will be ignored.

Setting ACL using Grant headers

User can set ACL in PUT request by using the following grant headers. These headers are supported with PUT Object, create bucket API.

- x-amz-grant-read
- x-amz-grant-write
- x-amz-grant-read-acp
- x-amz-grant-write-acp
- x-amz-grant-full-control

Following are examples of grant header, x-amz-grant-write: uri="url",id="123"

The valid input for uri is, "http://acs.amazonaws.com/groups/global/AuthenticatedUsers", "http://acs.amazonaws.com/groups/global/AllUsers",
"http://acs.amazonaws.com/groups/s3/LogDelivery"

The valid input for id is number which represents UID of grantee. The users email address is not supported with Grant headers.

Setting ACL using complete details in request body.

The ACL can be set by sending data in request body itself. User can send correct xml in PutObjectACL and PutBucketACL reqeust.

Differences with respect to Amazon's API - The ID field of Grantee should be the UID of the user. The DisplayName name should be the user's login name. The email address in DisplayName is not supported.