



# **Supported REST APIs**

## **SnapCenter Software**

NetApp  
June 24, 2021

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# Supported REST APIs

The resources available through the SnapCenter REST API are organized in categories, as displayed on the SnapCenter API documentation page. A brief description of each of the resources with the base resource paths is presented below, along with additional usage considerations where appropriate.

## Auth

You can use this API call to log into the SnapCenter Server. This API returns a user authorization token that is used to authenticate subsequent requests.

## Domains

You can use these API calls to perform the following:

- retrieve all the domains
- retrieve details of a specific domain
- register or unregister a domain
- modify a domain

## Jobs

You can use these API calls to perform the following:

- retrieve all the jobs
- retrieve status of a job
- cancel or stop a job

## Settings

You can use these API calls to perform the following:

- register, view, modify, or remove a credential
- configure notification settings

## Hosts

You can use these API calls to perform the following:

- retrieve host details
- retrieve the plug-in installed and their resource details
- add, remove, or modify a plug-in host
- install or upgrade plug-ins

## Resources

You can use these API calls to perform the following:

- retrieve resources
- create, modify, or remove resources
- protect a resource
- back up, restore, or clone a resource

## Backups

You can use these API calls to perform the following:

- retrieve backup details
- rename or delete backups

## Clones

You can use these API calls to perform the following:

- retrieve clone details
- delete clones

## Clonesplit

You can use these API calls to perform the following:

- retrieve the status of a clone split operation
- start or stop a clone split operation

## Resource Groups

You can use these API calls to perform the following:

- retrieve details of a resource group
- create, modify, or delete a resource group
- back up a resource group

## Policies

You can use these API calls to perform the following:

- retrieve policy details
- create, modify, or delete policies

# Storage

You can use these API calls to perform the following:

- retrieve storage details
- create, modify, or delete a storage
- discover resources on a storage
- create or delete a share on the storage

# Share

You can use these API calls to perform the following:

- retrieve the details of a share
- create or delete a share on the storage

# Plugins

You can use these API calls to retrieve all the plug-ins on a host and perform different operations.

# Reports

You can use these API calls to perform the following:

- generate backup, restore, clone, and plug-in reports
- add, run, delete, or modify schedules

# Alerts

You can use these API calls to perform the following:

- retrieve all the alerts
- delete alerts

# Rbac

You can use these API calls to perform the following:

- retrieve details of users, groups, and roles
- add users
- create, modify, or delete roles
- assign or unassign roles and groups

# Configuration

You can use these API calls to perform the following:

- view the configuration settings
- modify the configuration settings

## CertificateSettings

You can use these API calls to perform the following:

- view the certificate status
- modify the certificate settings

## Repository

You can use these API calls to perform the following:

- backup and restore the NSM repository
- protect and unprotect the NSM repository
- failover
- rebuild the NSM repository

## How to access REST APIs using the Swagger API web page

REST APIs are exposed through the Swagger web page. You can access the Swagger web page to display the SnapCenter Server REST APIs, as well as to manually issue an API call. You can use REST APIs to help manage your SnapCenter Server or to perform data protection operations.

You should know the management IP address or domain name of the SnapCenter Server on which you want to execute the REST APIs.

You do not need special permissions to run the REST API client. Any user can access the Swagger web page. The respective permissions on the objects that are accessed via the REST API are based on the user who generates the token to login to the REST API.

### Steps

1. From a browser, enter the URL to access the Swagger web page in the format *https://<SnapCenter\_IP\_address\_or\_name>:<SnapCenter\_port>/swagger/*.



Ensure that the REST API URL does not have the following characters: +, ., %, and &.

2. In the **Swagger Explore** field, if the Swagger API documentation does not display automatically, type: *https://<SnapCenter\_IP\_address\_or\_name>:<SnapCenter\_port>/Content/swagger/SnapCenter.yaml*
3. Click **Explore**.

A list of API resource types or categories are displayed.

4. Click an API resource type to display the APIs in that resource type.

If you encounter unexpected behavior when executing SnapCenter REST APIs, you can use the log files to

identify the cause and resolve the problem. You can download the log files from the SnapCenter user interface by clicking **Monitor > Logs > Download**.

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