Supported REST APIs

SnapCenter Software 4.6

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Supported REST APIs

REST APIs supported for other plug-ins

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

REST APIs supported for Oracle database

Oracle database uses REST APIs to perform the following operations:

Credentials

- Register the credential with SnapCenter Server
- Retrieve credential registered with SnapCenter Server
- Retrieve credential by name
- Modify credential
- Delete credential

Host

- Add host
- Remove one or more hosts from SnapCenter
- Retrieve a host by name

Plug-in

- Installation of plug-ins on existing host
- Upgrade plug-in

Policy

- Create new policy
- Retrieve policy by name
- Modify policy
- Delete policy

Resource Groups

- Protect resource group
- Modify protection
- Remove protection
- Create new resource group
- Retrieve resource group by name
- Modify resource group
- Delete resource group

Resources

- Discover databases
- Configure database

Backups

- Start a resource backup operation
- Start a backup operation
- Retrieve backups by name
- Retrieve backups
- Delete a backup by name

Restore

- Restore a backup

Clone refresh

- Create an Oracle Database clone specification from a specified backup
- Display, modify, and delete clone specific file
- Clone refresh

RBAC

- Assign resources to a user or a group
- Unassign resources to a user or a group

Configuration settings

- Retrieve and modify configuration settings

REST API supported for disaster recovery of SnapCenter Server

SnapCenter disaster recovery (DR) functionality uses REST APIs to backup SnapCenter Server. Using REST APIs, you can perform the following operations on the REST APIs Swagger page. For information to access the Swagger page, see How to access REST APIs using the swagger API web page.

What you will need

- You should log in as the SnapCenter Admin user.
- The SnapCenter Server should be up and running to run DR restore API.

About this task

SnapCenter Server DR supports all plug-ins.

Step	Description	REST API	HTTP method
1	Fetch existing SnapCenter Server DR backups You must provide the backup name and the target path where the DR backups must be stored.	`/4.5/disasterrecovery/server/backup?targetpath={path}`	GET
2	Create a new Server DR backup. Restores a SnapCenter Server from a specified Server DR backup.	`/4.5/disasterrecovery/server/backup`	POST

Step	Description	REST API	HTTP method
3	Restores a SnapCenter Server from a specified Server DR backup. **Prerequisites** • The alternate server host name should be same as the primary server, but the IP address can be different. • Server version should be the same as the primary server. • Host name should be the same as the primary server. • Ensure the DR backup files are copied to the new SnapCenter server using the following command: `xcopy <Ssource_Path> \\<Destination_Server_IP> \<Folder_Path> /O /X /E /H /K {ex : xcopy C:\DRBackup \\10.225.81.114\c$\DRBackup /O /X /E /H /K}` If the plug-in is not able to resolve the server hostname, log into each of the plug-in host and add the etc/host entry for the new IP in the format: `<New IP> SC_Server_Name` For example, 10.225.81.35 SCServer1 The server etc/host entries will not be restored. You can restore it manually from the DR backup folder.	`/4.5/disasterrecovery/server/restore`	POST
4	Delete the Server DR backup based on backup name.	`/4.5/disasterrecovery/server/backup`	DELETE
5	Enable or disable the storage DR	`/4.5/disasterrecovery/storage`	POST

For more information, see the Disaster Recovery APIs video.

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