



## **Supported REST APIs**

SnapCenter Software 4.6

NetApp

February 21, 2022

This PDF was generated from [https://docs.netapp.com/us-en/snapcenter/sc-automation/reference\\_supported\\_rest\\_apis.html](https://docs.netapp.com/us-en/snapcenter/sc-automation/reference_supported_rest_apis.html) on February 21, 2022. Always check docs.netapp.com for the latest.

# Table of Contents

- Supported REST APIs ..... 1
  - REST APIs supported for other plug-ins ..... 1
  - REST APIs supported for Oracle database ..... 4
  - REST API supported for disaster recovery of SnapCenter Server..... 6

# 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    | <div><div></div><div>You must provide the backup name and the target path where the DR backups must be stored.</div></div><br>Fetch existing SnapCenter Server DR backups | /4.5/disasterrecovery/server/backup?targetpath={path} | GET         |
| 2    | Create a new Server DR backup.<br>Restores a SnapCenter Server from a specified Server DR backup.  | /4.5/disasterrecovery/server/backup                   | POST        |



| Step | Description  | REST API                             | HTTP method |
|------|--|--------------------------------------|-------------|
| 3    | <p>Restores a SnapCenter Server from a specified Server DR backup.</p> <p><b>Prerequisites</b></p> <ul style="list-style-type: none"> <li>• The alternate server host name should be same as the primary server, but the IP address can be different.</li> <li>• Server version should be the same as the primary server.</li> <li>• Host name should be the same as the primary server.</li> <li>• Ensure the DR backup files are copied to the new SnapCenter server using the following command:</li> </ul> <pre>xcopy &lt;Ssource_Path&gt; \\&lt;Destination_Server_IP&gt; \&lt;Folder_Path&gt; /O /X /E /H /K {ex : xcopy C:\DRBackup \\10.225.81.114\c\$\DRBack up /O /X /E /H /K}</pre> <p>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: &lt;New IP&gt; SC_Server_Name</p> <p>For example, 10.225.81.35 SCServer1</p> <p>The server etc/host entries will not be restored. You can restore it manually from the DR backup folder.</p> | /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        |

## Copyright Information

Copyright © 2022 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system- without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

## Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.