SnapCenter Standard controller-based licenses

SnapCenter Software

NetApp
June 24, 2021

This PDF was generated from https://docs.netapp.com/us-en/snapcenter/install/task_verify_if_the_snapmanager_suite_storage_controller_license_is_installed.html on June 24, 2021. Always check docs.netapp.com for the latest.

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SnapCenter Standard controller-based licenses

A SnapCenter Standard controller-based license is required if you are using FAS or AFF storage controllers.

The controller-based license has the following characteristics:

- SnapCenter Standard entitlement included with purchase of Premium or Flash Bundle (not with the base pack)
- Unlimited storage usage
- Enabled by adding it directly to the FAS or AFF storage controller by using either the ONTAP System Manager or the storage cluster command line

  You do not enter any license information in the SnapCenter GUI for the SnapCenter controller-based licenses.

- Locked to the controller's serial number

  If you already have a SnapManagerSuite license on your controller, SnapCenter Standard controller-based license entitlement is provided automatically. The names SnapManagerSuite license and SnapCenter Standard controller-based license are used interchangeably, but they refer to the same license.

Verify if the SnapManager Suite storage controller license is installed

You can use the SnapCenter GUI to view whether a SnapManager Suite license is installed on FAS or AFF primary storage systems, and to identify which storage systems might require SnapManager Suite licenses. SnapManager Suite licenses apply only to FAS and AFF SVMs or clusters on primary storage systems.

Steps

1. In the left navigation pane, click **Storage Systems**.
2. On the Storage Systems page, from the **Type** drop-down, select whether to view all the SVMs or clusters that were added:
   - To view all of the SVMs that were added, select **ONTAP SVMs**.
   - To view all of the clusters that were added, select **ONTAP Clusters**.

     When you click the cluster name, all of the SVMs that are part of the cluster are displayed in the Storage Virtual Machines section.
3. In the **Storage Connections** list, locate the Controller License column.

   The Controller License column displays the following status:

   - ✔ indicates that a SnapManager Suite license is installed on a FAS or AFF primary storage

system.

- indicates that a SnapManager Suite license is not installed on a FAS or AFF primary storage system.
- Not applicable - indicates that a SnapManager Suite license is not applicable for this controller.

  This message is displayed for the following platforms:

  - Cloud Volumes ONTAP
  - ONTAP Select
  - Secondary storage
  - MetroCluster

View the licenses installed on the controller

You can use the ONTAP command line to view all the licenses installed on your controller to determine whether you have the SnapManagerSuite license already installed.

You must be a cluster administrator on the FAS or AFF system.

The SnapCenter Standard controller-based license displays as SnapManagerSuite license on the controller.

Steps

1. Log in to the NetApp controller using the ONTAP command line.
2. Enter the license show command, and then view the output to determine whether the SnapManagerSuite license is installed.

```
cluster1::> license show
(system license show)

Serial Number: 1-80-0000xx
Owner: cluster1
Package           Type     Description             Expiration
----------------- -------- ---------------------   ---------------
Base              site     Cluster Base License    -

Serial Number: 1-81-00000000000000000000000xx
Owner: cluster1-01
Package           Type     Description             Expiration
----------------- -------- ---------------------   ---------------
NFS               license  NFS License             -
CIFS              license  CIFS License            -
iSCSI             license  iSCSI License           -
FCP               license  FCP License             -
SnapRestore       license  SnapRestore License     -
SnapMirror        license  SnapMirror License      -
FlexClone         license  FlexClone License       -
SnapVault         license  SnapVault License       -
SnapManagerSuite  license  SnapManagerSuite License -
```

In the example, the SnapManagerSuite license is installed, therefore, no additional SnapCenter licensing action is required.

If no SnapManagerSuite license is displayed, you must obtain your controller serial number, and then retrieve your license from the NetApp Support Site.

Retrieve the controller serial number

You must know your controller serial number before you can retrieve your SnapCenter controller-based license. You can retrieve the controller serial number using the ONTAP command line.

You must be a cluster administrator on the FAS or AFF system.

Steps

1. Log in to the controller using the ONTAP command line.
2. Enter the system show -instance command, and then review the output to locate the controller serial number.

```
cluster1::> system show -instance

Node: fas8080-41-42-01
Owner:
Location: RTP 1.5
Model: FAS8080
Serial Number: 123451234511
Asset Tag: -
Uptime: 143 days 23:46
NVRAM System ID: xxxxxxxxx
System ID: xxxxxxxxxx
Vendor: NetApp
Health: true
Eligibility: true
Differentiated Services: false
All-Flash Optimized: false

Node: fas8080-41-42-02
Owner:
Location: RTP 1.5
Model: FAS8080
Serial Number: 123451234512
Asset Tag: -
Uptime: 144 days 00:08
NVRAM System ID: xxxxxxxxx
System ID: xxxxxxxxxx
Vendor: NetApp
Health: true
Eligibility: true
Differentiated Services: false
All-Flash Optimized: false
2 entries were displayed.
```

3. Record the serial numbers.

Retrieve SnapCenter controller-based license serial number

If you are using FAS or AFF storage, you can retrieve the SnapCenter controller-based license from the NetApp Support Site before you can install it using the ONTAP command line.

What you will need

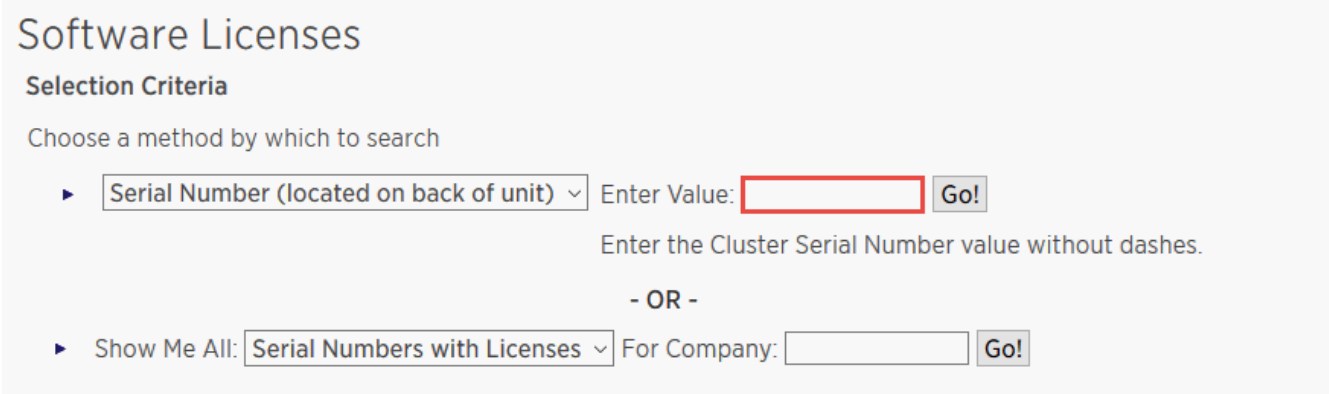
- You must have valid NetApp Support Site login credentials.

  If you do not enter valid credentials, no information is returned for your search.

- You must have the controller serial number.

Steps

1. Log in to the NetApp Support Site at mysupport.netapp.com.
2. Navigate to **Systems** > **Software Licenses**.
3. In the Selection Criteria area, ensure Serial Number (located on back of unit) is selected, enter the controller serial number, and then click **Go!**.



   A list of licenses for the specified controller is displayed.

4. Locate and record the SnapCenter Standard or SnapManagerSuite license.

Add a SnapCenter Standard controller-based license

You can use the ONTAP command line to add a SnapCenter controller-based license when you are using FAS or AFF systems, and you have a SnapCenter Standard or SnapManagerSuite license.

What you will need

- You must be a cluster administrator on the FAS or AFF system.
- You must have the SnapCenter Standard or SnapManagerSuite license.

About this task

If you want to install SnapCenter on a trial basis with FAS or AFF storage, you can obtain a Premium Bundle evaluation license to install on your controller.

If you want to install SnapCenter on a trial basis, you should contact your sales representative to obtain a Premium Bundle evaluation license to install on your controller.

Steps

1. Log in to the NetApp cluster using the ONTAP command line.
2. Add the SnapManagerSuite license key:

   ```
   system license add -license-code license_key
   ```

   This command is available at the admin privilege level.

3. Verify that the SnapManagerSuite license is installed:

```
license show
```

Remove the trial license

The trial license (serial number ending with “50”) cannot be deleted using the SnapCenter GUI. If you are using a controller-based SnapCenter Standard license and need to remove the capacity-based trial license from the SnapCenter GUI, you must use MySQL commands to remove the trial license manually.

About this task

Removing a trial license manually is only required if you are using a SnapCenter Standard controller-based license. If you procured a SnapCenter Standard capacity-based license and add it in the SnapCenter GUI, the trial license gets overwritten automatically.

Steps

1. On the SnapCenter Server, open a PowerShell window to reset the MySQL password.
   a. Run the Open-SmConnection cmdlet to initiate a connection session with the SnapCenter Server for a SnapCenterAdmin account.
   b. Run the Set-SmRepositoryPassword to reset the MySQL password.

      For information about the cmdlets, see SnapCenter Software Cmdlet Reference Guide.

2. Open the command prompt and run mysql -u root -p to log into MySQL.

   MySQL prompts you for the password. Enter the credentials you provided while resetting the password.

3. Remove the trial license from the database:

```
use nsm;``DELETE FROM nsm_License WHERE nsm_License_Serial_Number='510000050';
```

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