



SnapCenter Standard capacity-based licenses

SnapCenter Software

NetApp
June 18, 2021

This PDF was generated from https://docs.netapp.com/us-en/snapcenter/install/concept_how_snapcenter_calculates_capacity_usage.html on June 18, 2021. Always check docs.netapp.com for the latest.

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SnapCenter Standard capacity-based licenses

You use a SnapCenter Standard capacity license to protect data on ONTAP Select and Cloud Volumes ONTAP platforms.

The license has the following characteristics:

- Composed of a nine-digit serial number with the format 51xxxxxxx

You use the license serial number and valid NetApp Support Site login credentials to enable the license using the SnapCenter GUI.

- Available as a separate, perpetual license, with the cost based on either the used storage capacity or the size of the data you want protected, whichever is lower, and the data is managed by SnapCenter
- Available per terabyte

For example, you can obtain a capacity-based license for 1 TB, 2 TBs, 4 TBs, and so on.

- Available as a 90-day trial license with 100 TB capacity entitlement

How SnapCenter calculates capacity usage

If you have a SnapCenter capacity-based license installed, SnapCenter automatically calculates capacity usage once a day at midnight on the ONTAP Select and Cloud Volumes ONTAP storage it manages. To ensure you have configured SnapCenter correctly, you should be aware of how SnapCenter calculates capacity.

If you are using ONTAP Select or Cloud Volumes ONTAP as your storage platform, you must have a SnapCenter Standard capacity-based license installed to enable SnapCenter features such backup and restore. When you are using a Standard Capacity license, SnapCenter calculates the unused capacity by deducting the used capacity on all volumes from the total licensed capacity.

If used capacity exceeds the licensed capacity, an overuse warning is displayed on the SnapCenter Dashboard. If you configured capacity thresholds and notifications in SnapCenter, an email is sent when the used capacity reaches the threshold you specify.

Calculate capacity requirements for a SnapCenter capacity-based license

Before you obtain a SnapCenter capacity-based license, you should calculate the amount of capacity on a host that is to be managed by SnapCenter.

What you will need

You must be a cluster administrator on the Cloud Volumes ONTAP or ONTAP Select system.

About this task

SnapCenter calculates the actual capacity used. If the size of the file system or database is 1 TB, but only 500 GB of space is used, SnapCenter calculates 500 GB of used capacity. The volume capacity is calculated after

dedupe and compression, and it is based on the entire volume's used capacity.

Steps

1. Log in to the NetApp controller using the ONTAP command line.
2. To view the volume capacity used, enter the command.

```
select::> vol show -fields used -volume Engineering,Marketing
vserver volume      used
-----
VS1      Engineering  2.13TB
VS1      Marketing    2.62TB

2  entries were displayed.
```

The combined used capacity for the two volumes is less than 5 TB; therefore, if you want to protect all 5 TB of data, the minimum SnapCenter capacity-based license requirement is 5 TB.

However, if you want to protect only 2 TB of the 5 TB of total used capacity, you can acquire a 2 TB capacity-based license.

Retrieve SnapCenter capacity-based license serial number

Your SnapCenter capacity-based license serial number is available in your order confirmation or in your documentation package; however, if you do not have this serial number, you can retrieve it from the NetApp Support Site.

You must have valid NetApp Support Site login credentials. If you do not enter valid credentials, no information is returned for your search.

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, choose **SC_STANDARD** from the Show Me All: Serial Numbers and Licenses drop-down menu.

Software Licenses

Selection Criteria

Choose a method by which to search

- Serial Number (located on back of unit) ▾ Enter Value:
- Enter the Cluster Serial Number value without dashes.

- OR -

- Show Me All: **Serial Numbers with Licenses** ▾ For Company:

4. Type your company name, and then click **Go!**.

The nine-digit SnapCenter license serial number, with the format 51xxxxxxx, is displayed.

5. Record the SnapCenter license serial number.

Generate a NetApp license file

If you prefer not to enter your NetApp Support Site credentials and the SnapCenter license serial number in the SnapCenter GUI, or if you do not have internet access to the NetApp Support Site from SnapCenter, you can generate a NetApp license file, and then download and store the file in a location accessible from the SnapCenter host.

What you will need

- You must be using SnapCenter with either ONTAP Select or Cloud Volumes ONTAP.
- You must have valid NetApp Support Site login credentials.
- You must have your nine-digit SnapCenter license serial number in the format 51xxxxxxx.

Steps

1. Navigate to the [NetApp License File Generator](#).
2. Enter the required information.
3. In the Product Line field, select **SnapCenter Standard (capacity-based)** from the pull-down menu.
4. In the Product Serial Number field, enter the SnapCenter license serial number
5. Read and accept the NetApp Data Privacy Policy, and then click **Submit**.
6. Save the license file, and then record the file location.

Add SnapCenter capacity-based licenses

If you are using SnapCenter with ONTAP Select or Cloud Volumes ONTAP platforms, you must install one or more SnapCenter capacity-based licenses.

What you will need

- You must log in as the SnapCenter Admin user.
- If you want to log in to the NetApp Support Site using SnapCenter to obtain your licenses, you must have the license serial numbers and valid NetApp Support Site credentials.
- If you are using a NetApp license file (NLF) to add your license, you must know the location of the license file.

About this task

You can perform the following tasks on the Settings page:

- Add a license.
- View license details to quickly locate information about each license.


- Modify a license when you want to replace the existing license, for example, to update the license capacity or to change the threshold notification settings.
- Delete a license when you want to replace an existing license or when the license is no longer required.



The trial license (serial number ending with 50) cannot be deleted using the SnapCenter GUI. The trial license automatically gets overwritten when you add a procured SnapCenter Standard capacity-based licensed.

Steps

1. In the left navigation pane, click **Settings**.
2. In the Settings page, click **Software**.
3. In the License section of the Software page, click **Add** ().
4. In the Add SnapCenter License wizard, select one of the following methods to obtain the license you want to add:

For this field...	Do this...
Enter your NetApp Support Site (NSS) login credentials to import licenses	<ol style="list-style-type: none"> a. Enter your NSS user name. b. Enter your NSS password. c. Enter your SnapCenter license serial number. <div>  <p>This is not your storage controller serial number. If you are using a storage controller-based capacity license, you must enter it on the storage controller. You do not use the SnapCenter GUI to enter controller-based licenses.</p> </div>
NetApp License File	<ol style="list-style-type: none"> a. Browse to the location of the license file, and then select it. b. Click Open.

5. In the Notifications page, enter the capacity threshold at which SnapCenter sends email, EMS, and AutoSupport notifications.

The default threshold is 90 percent.

6. To configure the SMTP server for email notifications, click **Settings > Global Settings > Notification Server Settings**, and then enter the following details:

For this field...	Do this...
Email preference	Choose either Always or Never .

For this field...	Do this...
Provide email settings	<p>If you select Always, specify the following:</p> <ul style="list-style-type: none"> • Sender email address • Receiver email address • Optional: Edit the default Subject line <p>The default subject reads as follows: "SnapCenter License Capacity Notification".</p>

7. If you want to have Event Management System (EMS) messages sent to the storage system syslog or have AutoSupport messages sent to the storage system for failed operations, select the appropriate check boxes.

Best Practice: Enabling AutoSupport is recommended to help troubleshoot issues you might experience.

8. Click **Next**.
9. Review the summary, and then click **Finish**.

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