



Expand storage

ONTAP System Manager

NetApp

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Expand storage

You can increase the size of your volume or LUN so that more space is available to your host. The size of a LUN cannot exceed the size of the containing volume.

- [Increase the size of a volume](#)
- [Increase the size of a LUN](#)


Also, you can add a LUN to an existing volume. The processes are different for using System Manager with ONTAP 9.7 or 9.8

- [Add a LUN to an existing volume \(ONTAP 9.7\)](#)
- [Add a LUN to an existing volume \(ONTAP 9.8\)](#)

Also, starting with ONTAP 9.8, you can use System Manager to add a LUN to an existing volume.


Increase the size of a volume

Steps

1. Click **Storage > Volumes**.
2. Hover over the name of the volume you want to increase in size.
3. Click .
4. Select **Edit**.
5. Increase the capacity value.

Increase the size of a LUN

Steps

1. Click **Storage > LUNs**.
2. Hover over the name of the LUN you want to increase in size.
3. Click .
4. Select **Edit**.
5. Increase the capacity value.

Add a LUN to an existing volume (ONTAP 9.7)

To use System Manager with ONTAP 9.7 to add a LUN to an existing volume, you should switch to the Classical View first.

Steps

1. Log in to System Manager in ONTAP 9.7.
2. Click **Classical View**.
3. Select **Storage > LUNs > Create**
4. Specify the details to create the LUN.
5. Specify to which existing volume or qtree the LUN should be added.

Add a LUN to an existing volume (ONTAP 9.8)

Starting with ONTAP 9.8, you can use System Manager to add a LUN to an existing volume that already has a least one LUN.

Steps

1. Click **Storage > LUNs**.
2. Click **Add+**.
3. Complete the fields in the **Add LUNs** window.
4. Select **More Options**.
5. Select the checkbox labeled **Group with related LUNs**.
6. In the drop-down field, select a LUN that exists on the volume to which you want to add another LUN.
7. Complete the rest of the fields. For **Host Mapping**, click one of the radio buttons:
 - **Existing initiator group** lets you select an existing group from a list.
 - **New initiator group** lets you enter a new group in the field.

Add disks to a local tier (Add capacity to aggregate)

You can increase the size of an existing aggregate (local tier) by adding capacity disks.

Steps

1. Click **(Return to classic version)**.
2. Click **Hardware and Diagnostics > Aggregates**.
3. Select the aggregate to which you want to add capacity disks, and then click **Actions > Add Capacity**.

You should add disks that are of the same size as the other disks in the aggregate.

4. Click **Switch to the new experience**.

5. Click **Storage** > **Tiers** to verify the size of the new aggregate.

Add cache to a local tier

Provision cache by converting an existing local tier (aggregate) to a Flash Pool aggregate by adding SSDs. Flash Pool aggregates enable you to deploy flash as high performance cache for your working data set while using lower-cost HDDs for less frequently accessed data.

Steps

1. Click **(Return to classic version)**.
2. Click Hardware and **Diagnostics** > **Aggregates**.
3. Select the aggregate, and then click **Actions** > **Add Cache**.

Select the cache source as storage pools or dedicated SSDs.

4. Click **Switch to the new experience**.
5. Click **Storage** > **Tiers** to verify the size of the new aggregate.

Add nodes to cluster

You can increase the size and capabilities of your cluster by adding new nodes.

Before you Start

You should have already cabled the new nodes to the cluster.

There are separate processes for working with System Manager in ONTAP 9.7 or ONTAP 9.8.

- [Adding nodes to a cluster with System Manager 9.7](#)
- [Adding nodes to a cluster with System Manager 9.8](#)

Adding nodes to a cluster with System Manager 9.7

Steps

1. Click **(Return to classic version)**.
2. Click **Configurations** > **Cluster Expansion**.

System Manager automatically discovers the new nodes.

3. Click **Switch to the new experience**.
4. Click **Cluster** > **Overview** to view the new nodes.

Adding nodes to a cluster with System Manager 9.8

Steps

1. Select **Cluster > Overview**.

The new controllers are shown as nodes connected to the cluster network but are not in the cluster.

2. Click **Add**.
 - The nodes are added into the cluster.
 - Storage is allocated implicitly.

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