



# Expand storage

## ONTAP System Manager

NetApp

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# Table of Contents

- Expand storage ..... 1
  - Increase the size of a volume ..... 1
  - Increase the size of a LUN ..... 1
  - Add a LUN to an existing volume (ONTAP 9.7) ..... 1
  - Add a LUN to an existing volume (ONTAP 9.8) ..... 2
  - Add disks to a local tier (Add capacity to aggregate) ..... 2
  - Add cache to a local tier ..... 3
  - Add nodes to cluster ..... 3

# 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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