



# **Manage snapshots manually**

**ONTAP 9**

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# Manage snapshots manually

## Create and delete snapshots manually

You can create snapshots manually when you can't wait for a scheduled snapshot to be created, and you can delete snapshots when they are no longer needed.

### About this task

This procedure applies to FAS, AFF, and ASA systems. If you have an ASA r2 system (ASA A1K, ASA A90, ASA A70, ASA A50, ASA A30, ASA A20, or ASA C30), follow [these steps](#) to create an on-demand snapshot. ASA r2 systems provide a simplified ONTAP experience specific to SAN-only customers.

### Create a snapshot manually

You can manually create a snapshot using System Manager or the ONTAP CLI.

#### System Manager

##### Steps

1. Navigate to **Storage > Volumes** and select the **Snapshots** tab.
2. Click  **Add**.
3. In the **Add a snapshot** window, accept the default snapshot name or edit it if desired.
4. **Optional:** Add a SnapMirror label.
5. Click **Add**.

#### CLI

1. Create a snapshot:

```
volume snapshot create -vserver <SVM> -volume <volume> -snapshot  
<snapshot_name>
```

### Delete snapshots manually

You can manually delete a snapshot using System Manager or the ONTAP CLI.

## System Manager

### Steps

1. Navigate to **Storage > Volumes** and select the **Snapshot copies** tab.
2. Locate the snapshot you want to delete, click , and select **Delete**.
3. In the **Delete snapshot** window, select **Delete snapshot**.
4. Click **Delete**.

### CLI

1. Use the `volume snapshot show` command to verify which snapshots you want to delete.

```
volume snapshot show -vserver <SVM> -volume <volume>
```

In this example, the command shows the snapshots on the volume vol3 in the SVM vs3.

```
cluster::> volume snapshot show -vserver vs3 -volume vol3

                                         ---Blocks---
Vserver  Volume  Snapshot          Size   Total%  Used%
-----  -----  -----
vs3      vol3
        snap1.2013-05-01_0015  100KB  0%   38%
        snap1.2013-05-08_0015  76KB   0%   32%
        snap2.2013-05-09_0010  76KB   0%   32%
        snap2.2013-05-10_0010  76KB   0%   32%
        snap3.2013-05-10_1005  72KB   0%   31%
        snap3.2013-05-10_1105  72KB   0%   31%
        snap3.2013-05-10_1205  72KB   0%   31%
        snap3.2013-05-10_1305  72KB   0%   31%
        snap3.2013-05-10_1405  72KB   0%   31%
        snap3.2013-05-10_1505  72KB   0%   31%
10 entries were displayed.
```

2. Delete a snapshot:

If you want to...	Enter this command...
Delete a single snapshot	<pre>volume snapshot delete -vserver _svm_name_ -volume _vol_name_ -snapshot _snapshot_name_</pre>

If you want to...	Enter this command...
Delete multiple snapshots	<pre>volume snapshot delete -vserver  svm_name -volume vol_name_  -snapshot  snapshot_name1[, snapshot_name2, ...]</pre>
Delete all snapshots	<pre>volume snapshot delete -vserver  svm_name -volume vol_name_  -snapshot *</pre>

## Calculate reclaimable space before deleting snapshots

Beginning with ONTAP 9.10.1, you can use System Manager to select snapshots you want to delete and calculate the reclaimable space before you delete them.

### Steps

1. Click **Storage > Volumes**.
2. Select the volume from which you want to delete snapshots.
3. Click **Snapshots**.
4. Select one or more snapshots.
5. Click **Calculate Reclaimable Space**.

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