



Manage snapshot consistency groups

SANtricity software

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Manage snapshot consistency groups

Add a member volume to a snapshot consistency group in SANtricity System Manager

You can add a new member volume to an existing snapshot consistency group. When you add a new member volume, you also must reserve capacity for the member volume.

Before you begin

- The member volume must be Optimal.
- The snapshot consistency group must have less than the maximum number of allowable volumes (as defined by your configuration).
- Each reserved capacity volume must have the same Data Assurance (DA) and security settings as the associated member volume.

About this task

You can add standard volumes or thin volumes to the snapshot consistency group. The base volume can reside in either a pool or volume group.

Steps

1. Select **Storage > Snapshots**.
2. Select the **Snapshot Consistency Groups** tab.

The table appears and displays all the snapshot consistency groups associated with the storage array.

3. Select the snapshot consistency group you want to modify, and then click **Add Members**.

The Add Members dialog box appears.

4. Select the member volume(s) you want to add, and then click **Next**.

The Reserve Capacity step appears. The Volume Candidate table displays only the candidates that support the reserved capacity specified.

5. Use the spinner box to allocate the reserved capacity for the member volume. Do one of the following actions:

- **Accept the default settings.**

Use this recommended option to allocate the reserved capacity for the member volume with the default settings.

- **Allocate your own reserved capacity settings to meet your data storage needs.**

If you change the default reserved capacity setting, click **Refresh Candidates** to refresh the candidate list for the reserved capacity you specified.

Allocate the reserved capacity using the following guidelines.

- The default setting for reserved capacity is 40% of the capacity of the base volume, and usually this capacity is sufficient.

- The capacity needed varies, depending on the frequency and size of I/O writes to the volumes and the quantity and duration of snapshot image collection.

6. Click **Finish** to add the member volumes.

Remove a member volume from a snapshot consistency group in SANtricity System Manager

You can remove a member volume from an existing snapshot consistency group.

About this task

When you remove a member volume from a snapshot consistency group, System Manager automatically deletes the snapshot objects associated with that member volume.

Steps

1. Select **Storage > Snapshots**.
2. Click the **Snapshot Consistency Groups** tab.
3. Expand the snapshot consistency group you want to modify by selecting the plus (+) sign next to it.
4. Select the member volume that you want to remove, and then click **Remove**.
5. Confirm that you want to perform the operation, and then click **Remove**.

Results

System Manager performs the following actions:

- Deletes all snapshot images and snapshot volumes associated with the member volume.
- Deletes the snapshot group associated with the member volume.
- The member volume is not otherwise changed or deleted.

Change the settings for a snapshot consistency group in SANtricity System Manager

Change the settings for a snapshot consistency group when you want to change its name, automatic deletion settings, or the maximum number of allowed snapshot images.

Steps

1. Select **Storage > Snapshots**.
2. Click the **Snapshot Consistency Groups** tab.
3. Select the snapshot consistency group that you want to edit, and then click **View/Edit Settings**.

The Snapshot Consistency Group Setting dialog box appears.

4. Change the settings for the snapshot consistency group as appropriate.

Field details

Setting	Description
Snapshot consistency group settings	
Name	You can change the name for the snapshot consistency group.
Auto-deletion	Keep the check box selected if you want snapshot images automatically deleted after the specified limit; use the spinner box to change the limit. If you clear this check box, snapshot image creation stops after 32 images.
Snapshot image limit	You can change the maximum number of snapshot images allowed for a snapshot group.
Snapshot schedule	This field indicates whether a schedule is associated with the snapshot consistency group.
Associated objects	
Member volumes	You can view the quantity of member volumes associated with the snapshot consistency group.

5. Click **Save**.

Delete a snapshot consistency group in SANtricity System Manager

You can delete snapshot consistency groups that are no longer needed.

Before you begin

Confirm that the images for all member volumes are no longer needed for backup or testing purposes.

About this task

This operation deletes all the snapshot images or schedules associated with the snapshot consistency group.

Steps

1. Select **Storage › Snapshots**.
2. Select the **Snapshot Consistency Groups** tab.
3. Select the snapshot consistency group that you want to delete, and then select **Uncommon Tasks › Delete**.

The Confirm Delete Snapshot Consistency Group dialog box appears.

4. Confirm that you want to perform this operation, and then click **Delete**.

Results

System Manager performs the following actions:

- Deletes all existing snapshot images and snapshot volumes from the snapshot consistency group.
- Deletes all the associated snapshot images that exist for each member volume in the snapshot consistency group.
- Deletes all the associated snapshot volumes that exist for each member volume in the snapshot consistency group.
- Deletes all associated reserved capacity for each member volume in the snapshot consistency group (if selected).

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