Replacing a failed drive when using SW RAID

ONTAP Select

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Replacing a failed drive when using SW RAID

When a drive fails using software RAID, ONTAP Select uses a spare drive (if one is available) and starts the rebuild process automatically. This is similar to how ONTAP on FAS and AFF works. However, if no spare drive is available, you need to add one to the ONTAP Select node.



Both the removal of the failed drive and the addition of a new drive (marked as a spare) must be performed through ONTAP Deploy. Attaching a drive to the ONTAP Select VM using vSphere is not supported.

Identify the failed drive

After a drive fails, use the Deploy utility CLI to identify the disk that failed.

Steps

- 1. Sign in to the Deploy utility CLI using the administrator account.
- 2. Identify the disk that has failed.

Remove the failed drive

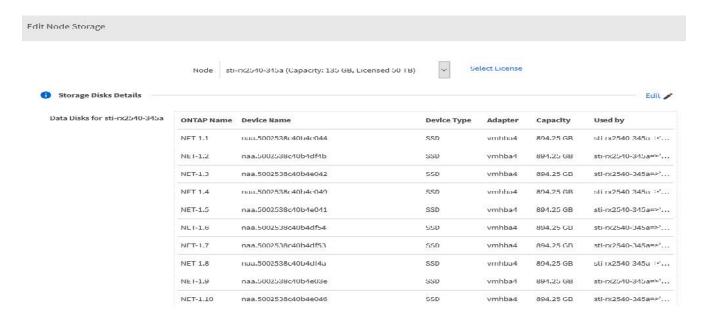
After you identify the drive that failed, remove the disk.

Steps

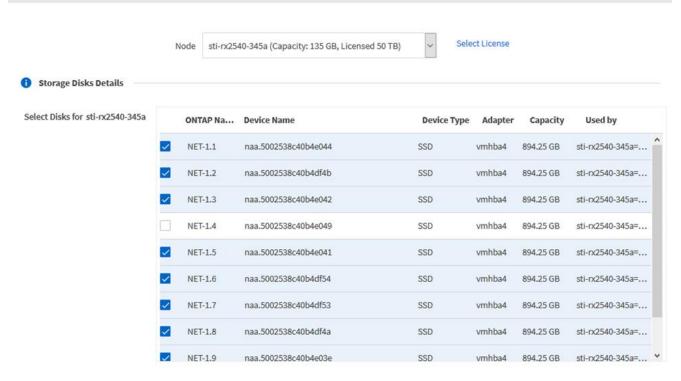
- 1. Sign in to the Deploy web user interface using the administrator account.
- 2. Click the **Clusters** tab and select the relevant cluster.

```
Node Details
→ HA Pair 1
Node 1 sti-rx2540-345a - 8.73 TB + ≠ Host 1 sti-rx2540-345 - (Small (4 CPU, 16 GB Memory))
Node 2 sti-rx2540-346a - 8.73 TB + ≠ Host 2 sti-rx2540-346 - (Small (4 CPU, 16 GB Memory))
```

3. Click + to expand the storage view.



4. Click **Edit** to make changes to the attached disks and uncheck the failed drive.

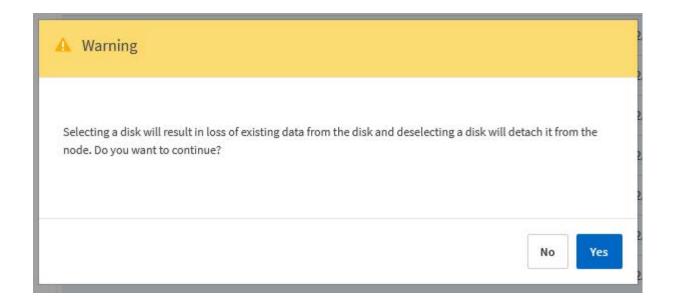


Selected Canacity: 7.86 TB (9/10 disks)

5. Provide the cluster credentials and click **Edit Storage**.



6. Confirm the operation.



Add the new spare drive

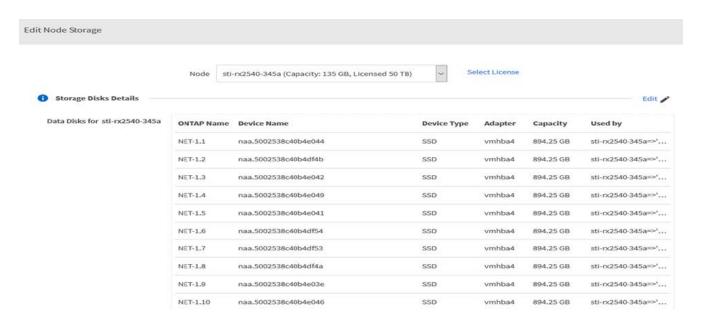
After you remove the failed drive, add the spare disk.

Steps

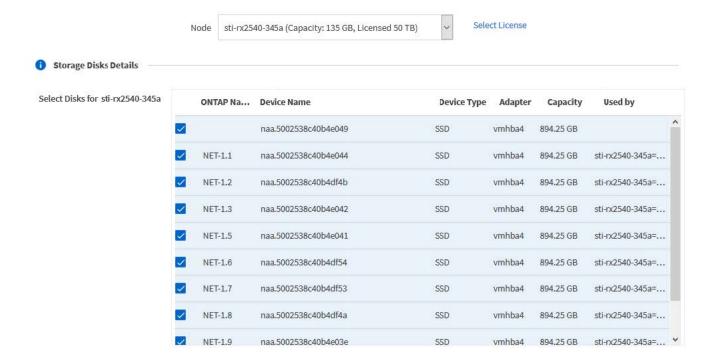
- 1. Sign in to the Deploy web user interface using the administrator account.
- 2. Click the **Clusters** tab and select the relevant cluster.



3. Click + to expand the storage view.



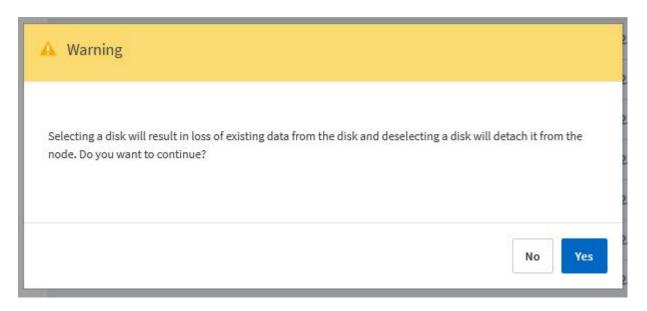
4. Click **Edit** and confirm that the new drive is available and select it.



5. Provide the cluster credentials and click **Edit Storage**.



6. Confirm the operation.



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