NetApp

Verifying automatic assignment or manually assigning pool 0 drives

ONTAP MetroCluster

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Table of Contents

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On systems configured for ADP, you must verify that pool 0 drives have been automatically assigned. On systems that are not configured for ADP, you must manually assign the pool 0 drives.

Verifying drive assignment of pool 0 drives on ADP systems at the disaster site (MetroCluster IP systems)

If drives have been replaced at the disaster site and the system is configured for ADP, you must verify that the remote drives are visible to the nodes and have been assigned correctly.

Step

1. Verify that pool 0 drives are assigned automatically:

   `disk show`

   In the following example for an AFF A800 system with no external shelves, one quarter (8 drives) were automatically assigned to node_A_1 and one quarter were automatically assigned to node_A_2. The remaining drives will be remote (pool1) drives for node_B_1 and node_B_2.

```
cluster_A::*> disk show
                 Usable      Disk      Container              Container
Disk             Size        Shelf Bay Type      Type         Name
Owner
---------------- ----------  ----- --- -------   -----------  ---------
--------
node_A_1:0n.12   1.75TB      0     12  SSD-NVM   shared       aggr0
node_A_1
node_A_1:0n.13   1.75TB      0     13  SSD-NVM   shared       aggr0
node_A_1
node_A_1:0n.14   1.75TB      0     14  SSD-NVM   shared       aggr0
node_A_1
node_A_1:0n.15   1.75TB      0     15  SSD-NVM   shared       aggr0
node_A_1
node_A_1:0n.16   1.75TB      0     16  SSD-NVM   shared       aggr0
node_A_1
node_A_1:0n.17   1.75TB      0     17  SSD-NVM   shared       aggr0
node_A_1
node_A_1:0n.18   1.75TB      0     18  SSD-NVM   shared       aggr0
node_A_1
node_A_1:0n.19   1.75TB      0     19  SSD-NVM   shared       -
node_A_1
node_A_2:0n.0    1.75TB      0     0   SSD-NVM   shared
aggr0_node_A_2_0 node_A_2
```

```
node_A_2:0n.1      1.75TB      0      1    SSD-NVM shared
aggr0_node_A_2_0 node_A_2
node_A_2:0n.2      1.75TB      0      2    SSD-NVM shared
aggr0_node_A_2_0 node_A_2
node_A_2:0n.3      1.75TB      0      3    SSD-NVM shared
aggr0_node_A_2_0 node_A_2
node_A_2:0n.4      1.75TB      0      4    SSD-NVM shared
aggr0_node_A_2_0 node_A_2
node_A_2:0n.5      1.75TB      0      5    SSD-NVM shared
aggr0_node_A_2_0 node_A_2
node_A_2:0n.6      1.75TB      0      6    SSD-NVM shared
aggr0_node_A_2_0 node_A_2
node_A_2:0n.7      1.75TB      0      7    SSD-NVM shared     -
node_A_2
node_A_2:0n.24     -           0      24   SSD-NVM unassigned -         -
node_A_2:0n.25     -           0      25   SSD-NVM unassigned -         -
node_A_2:0n.26     -           0      26   SSD-NVM unassigned -         -
node_A_2:0n.27     -           0      27   SSD-NVM unassigned -         -
node_A_2:0n.28     -           0      28   SSD-NVM unassigned -         -
node_A_2:0n.29     -           0      29   SSD-NVM unassigned -         -
node_A_2:0n.30     -           0      30   SSD-NVM unassigned -         -
node_A_2:0n.31     -           0      31   SSD-NVM unassigned -         -
node_A_2:0n.36     -           0      36   SSD-NVM unassigned -         -
node_A_2:0n.37     -           0      37   SSD-NVM unassigned -         -
node_A_2:0n.38     -           0      38   SSD-NVM unassigned -         -
node_A_2:0n.39     -           0      39   SSD-NVM unassigned -         -
node_A_2:0n.40     -           0      40   SSD-NVM unassigned -         -
node_A_2:0n.41     -           0      41   SSD-NVM unassigned -         -
node_A_2:0n.42     -           0      42   SSD-NVM unassigned -         -
node_A_2:0n.43     -           0      43   SSD-NVM unassigned -         -
32 entries were displayed.
```

Assigning pool 0 drives on non-ADP systems at the disaster site (MetroCluster IP configurations)

If drives have been replaced at the disaster site and the system is not configured for ADP, you need to manually assign new drives to pool 0.

About this task

For ADP systems, the drives are assigned automatically.

Steps

1. On one of the replacement nodes at the disaster site, reassign the node's pool 0 drives:

   ```
   storage disk assign -n number-of-replacement disks -p 0
   ```

This command assigns the newly added (and unowned) drives on the disaster site. You should assign the same number and size (or larger) of drives that the node had prior to the disaster. The `storage disk assign` man page contains more information about performing more granular drive assignment.

2. Repeat the step on the other replacement node at the disaster site.

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