



# **Reassigning disk ownership for root aggregates to replacement controller modules (MetroCluster FC configurations)**

## **ONTAP MetroCluster**

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# Reassigning disk ownership for root aggregates to replacement controller modules (MetroCluster FC configurations)

If one or both of the controller modules or NVRAM cards were replaced at the disaster site, the system ID has changed and you must reassign disks belonging to the root aggregates to the replacement controller modules.

### About this task

Because the nodes are in switchover mode and healing has been done, only the disks containing the root aggregates of pool1 of the disaster site will be reassigned in this section. They are the only disks still owned by the old system ID at this point.

This section provides examples for two and four-node configurations. For two-node configurations, you can ignore references to the second node at each site. For eight-node configurations, you must account for the additional nodes on the second DR group. The examples make the following assumptions:

- Site A is the disaster site.
  - node\_A\_1 has been replaced.
  - node\_A\_2 has been replaced.

Present only in four-node MetroCluster configurations.

- Site B is the surviving site.
  - node\_B\_1 is healthy.
  - node\_B\_2 is healthy.

Present only in four-node MetroCluster configurations.

The old and new system IDs were identified in [Determining the system IDs of the replacement controller modules](#).

The examples in this procedure use controllers with the following system IDs:

Number of nodes	Node	Original system ID	New system ID
Four	node_A_1	4068741258	1574774970
	node_A_2	4068741260	1574774991
	node_B_1	4068741254	unchanged
	node_B_2	4068741256	unchanged
Two	node_A_1	4068741258	1574774970

### Steps

1. With the replacement node in Maintenance mode, reassign the root aggregate disks:

```
disk reassign -s old-system-ID -d new-system-ID
```

```
*> disk reassign -s 4068741258 -d 1574774970
```

2. View the disks to confirm the ownership change of the pool1 root aggr disks of the disaster site to the replacement node:

```
disk show
```

The output might show more or fewer disks, depending on how many disks are in the root aggregate and whether any of these disks failed and were replaced. If the disks were replaced, then Pool0 disks will not appear in the output.

The pool1 root aggregate disks of the disaster site should now be assigned to the replacement node.

```
*> disk show
Local System ID: 1574774970

  DISK              OWNER              POOL  SERIAL NUMBER  HOME
DR HOME
-----
sw_A_1:6.126L19    node_A_1(1574774970) Pool0  serial-number
node_A_1(1574774970)
sw_A_1:6.126L3     node_A_1(1574774970) Pool0  serial-number
node_A_1(1574774970)
sw_A_1:6.126L7     node_A_1(1574774970) Pool0  serial-number
node_A_1(1574774970)
sw_B_1:6.126L8     node_A_1(1574774970) Pool1  serial-number
node_A_1(1574774970)
sw_B_1:6.126L24    node_A_1(1574774970) Pool1  serial-number
node_A_1(1574774970)
sw_B_1:6.126L2     node_A_1(1574774970) Pool1  serial-number
node_A_1(1574774970)

*> aggr status

      Aggr State              Status
node_A_1_root online        raid_dp, aggr
                             mirror degraded
                             64-bit

*>
```

3. View the aggregate status:

```
aggr status
```

The output might show more or fewer disks, depending on how many disks are in the root aggregate and whether any of these disks failed and were replaced. If disks were replaced, then Pool0 disks will not appear in output.

```
*> aggr status
      Aggr State      Status
node_A_1_root online  raid_dp, aggr
                      mirror degraded
                      64-bit
*>
```

4. Delete the contents of the mailbox disks:

```
mailbox destroy local
```

5. If the aggregate is not online, bring it online:

```
aggr online aggr_name
```

6. Halt the node to display the LOADER prompt:

```
halt
```

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