



Refreshing a four-node MetroCluster FC configuration

ONTAP MetroCluster

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Table of Contents

Refreshing a four-node MetroCluster FC configuration 1

Refreshing a four-node MetroCluster FC configuration

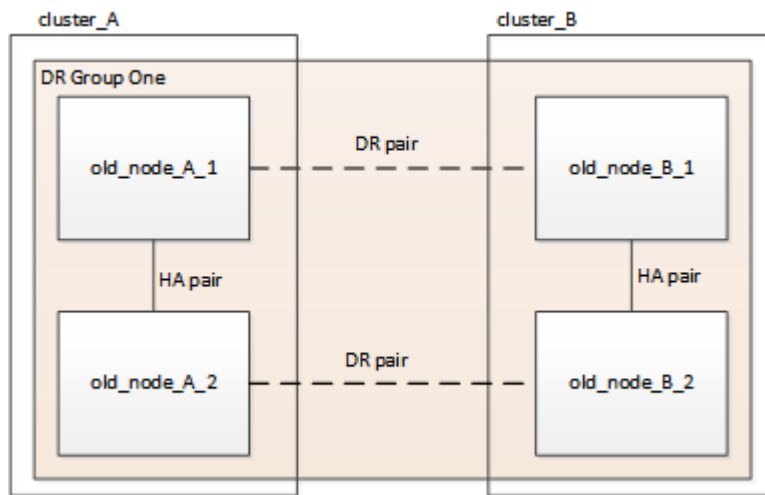
You can upgrade the controllers and storage in a four-node MetroCluster configuration by expanding the configuration to become an eight-node configuration and then removing the old disaster recovery (DR) group.

References to "old nodes" mean the nodes that you intend to replace.

Steps

1. Gather information from the old nodes.

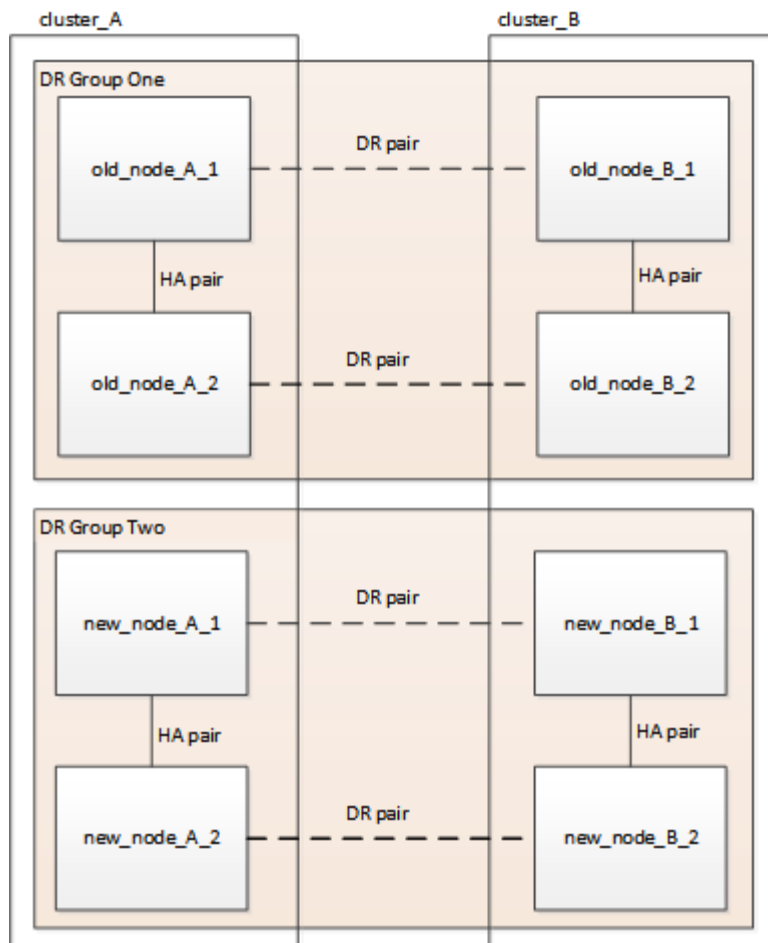
At this stage, the four-node configuration appears as shown in the following image:



2. Perform all of the steps in the four-node expansion procedure for your MetroCluster type.

[Expanding a four-node MetroCluster FC configuration to an eight-node configuration](#)

When the expansion procedure is complete, the configuration appears as shown in the following image:



3. Move the CRS volumes.

Perform the steps in [Moving a metadata volume in MetroCluster configurations](#).

4. Move the data from the old nodes to new nodes using the following three procedures from the *Controller Hardware Upgrade Express Guide*.

[Other platform procedures: Controller Hardware Upgrade Express Guide](#)

- a. Perform all the steps in [Creating an aggregate and moving volumes to the new nodes](#).



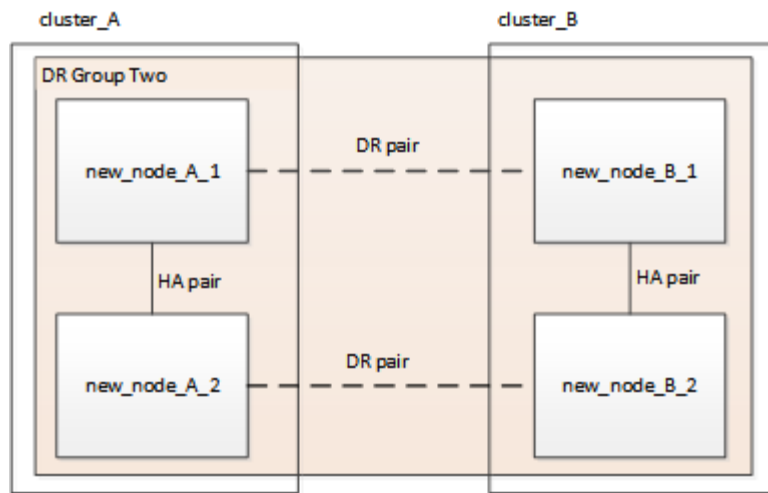
You might choose to mirror the aggregate when or after it is created.

- b. Perform all the steps in [Moving non-SAN data LIFs and cluster management LIFs to the new nodes](#).
- c. Perform all the steps in [Deleting SAN LIFs from the original nodes](#).

5. Follow the steps in the procedure for removing the old DR group.

[Removing a Disaster Recovery group](#)

Once you have removed the old DR group (DR group one), the configuration appears as shown in the following image:



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