



Upgrading firmware on MetroCluster IP switches

ONTAP MetroCluster

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Steps

1. Check the health of the configuration.

a. Check that the MetroCluster is configured and in normal mode on each cluster: **metrocluster show**

```
cluster_A::> metrocluster show
Cluster                               Entry Name                               State
-----
Local: cluster_A                      Configuration state configured
Mode                                  normal
AUSO Failure Domain auso-on-cluster-
disaster
Remote: cluster_B                     Configuration state configured
Mode                                  normal
AUSO Failure Domain auso-on-cluster-
disaster
```

b. Check that mirroring is enabled on each node: **metrocluster node show**

```
cluster_A::> metrocluster node show
DR                                     Configuration  DR
Group Cluster Node                    State          Mirroring Mode
-----
1      cluster_A
        node_A_1      configured     enabled      normal
        cluster_B
        node_B_1      configured     enabled      normal
2 entries were displayed.
```

c. Check that the MetroCluster components are healthy: **metrocluster check run**

```
cluster_A::> metrocluster check run
```

```
Last Checked On: 10/1/2014 16:03:37
```

Component	Result
-----	-----
nodes	ok
lifs	ok
config-replication	ok
aggregates	ok

4 entries were displayed.

Command completed. Use the "metrocluster check show -instance" command or sub-commands in "metrocluster check" directory for detailed results.

To check if the nodes are ready to do a switchover or switchback operation, run "metrocluster switchover -simulate" or "metrocluster switchback -simulate", respectively.

d. Check that there are no health alerts: **system health alert show**

2. Install the software on the first switch.

Follow the steps for installing switch software in the relevant section in the *MetroCluster IP Installation and Configuration Guide* depending on whether the switch type is Cisco or Broadcom:

Configure the IP switches

Repeat this step for each of the switches.

1. Repeat step 1 to check the health of the configuration.

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