

Verify networking and storage status for MetroCluster configurations

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Verify networking and storage status for MetroCluster configurations

Before performing an upgrade in a MetroCluster configuration, you should verify the status of the LIFs, aggregates, and volumes for each cluster.

1. Verify the LIF status: network interface show

In normal operation, LIFs for source SVMs must have an admin status of up and be located on their home nodes. LIFs for destination SVMs are not required to be up or located on their home nodes. In switchover, all LIFs have an admin status of up, but they do not need to be located on their home nodes.

<pre>cluster1::> network interface show</pre>										
	Logical	Status	Network	Current						
Home	Interface		Address/Mask		Port					
Cluster	_									
	cluster1-a	_	192.0.2.1/24	cluster1-01	e2a					
true	cluster1-a	_	192.0.2.2/24	cluster1-01						
true					e2b					
cluster1-01	alus mamt	un/un	198.51.100.1/24	alustor1-01						
true	crus_mgme	ир/ ир	130.31.100.17.24	Clustell of	e3a					
	cluster1-a1_inet4_intercluster1 up/up 198.51.100.2/24 cluster1-01									
		up/up	198.51.100.2/24	cluster1-01	e3c					
true										
27 entries were displayed.										

2. Verify the state of the aggregates: storage aggregate show -state !online

This command displays any aggregates that are *not* online. In normal operation, all aggregates located at the local site must be online. However, if the MetroCluster configuration is in switchover, root aggregates at

the disaster recovery site are permitted to be offline.

This example shows a cluster in normal operation:

```
cluster1::> storage aggregate show -state !online
There are no entries matching your query.
```

This example shows a cluster in switchover, in which the root aggregates at the disaster recovery site are offline:

3. Verify the state of the volumes: volume show -state !online

This command displays any volumes that are *not* online.

If the MetroCluster configuration is in normal operation (it is not in switchover state), the output should show all volumes owned by the cluster's secondary SVMs (those with the SVM name appended with "-mc").

Those volumes come online only in the event of a switchover.

This example shows a cluster in normal operation, in which the volumes at the disaster recovery site are not online.

```
cluster1::> volume show -state !online
 (volume show)
Vserver Volume
            Aggregate State Type Size
Available Used%
______ ____
_____
vs2-mc vol1 aggr1 b1 -
                            RW
vs2-mc root vs2 aggr0 b1 -
                            RW
vs2-mc vol2 aggr1_b1
                             RW
vs2-mc vol3 aggr1_b1
                             RW
vs2-mc vol4 aggrl b1 -
                             RW
5 entries were displayed.
```

4. Verify that there are no inconsistent volumes: volume show -is-inconsistent true

If any inconsistent volumes are returned, you must contact NetApp Support before you precede with the upgrade.

Related information

Upgrade requirements for MetroCluster configurations

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