Verifying the health of the MetroCluster configuration

ONTAP MetroCluster

Ranu Kundu
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Table of Contents

Verifying the health of the MetroCluster configuration 1

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You must verify the health and connectivity of the MetroCluster configuration prior to performing the transition

1. Verify the operation of the MetroCluster configuration in ONTAP:
   a. Check whether the system is multipathed:`node run -node node-name sysconfig -a`
   b. Check for any health alerts on both clusters: `system health alert show`
   c. Confirm the MetroCluster configuration and that the operational mode is normal: `metrocluster show`
   d. Perform a MetroCluster check: `metrocluster check run`
   e. Display the results of the MetroCluster check: `metrocluster check show`
   f. Check for any health alerts on the switches (if present): `storage switch show`
   g. Run Config Advisor.

      NetApp Downloads: Config Advisor

   h. After running Config Advisor, review the tool's output and follow the recommendations in the output to address any issues discovered.
2. Verify that the cluster is healthy: `cluster show`

```
cluster_A::> cluster show
Node            Health  Eligibility   Epsilon
--------------- ------  -----------   -------
node_A_1_FC     true    true          false
node_A_2_FC     true    true          false

cluster_A::>
```

3. Verify that all cluster ports are up: `network port show -ipspace cluster`

```
cluster_A::> network port show -ipspace cluster

Node: node_A_1_FC

                                                  Speed(Mbps) Health
Port      IPspace      Broadcast Domain Link MTU  Admin/Oper  Status
--------- ------------ ---------------- ---- ---- ----------- --------
e0a       Cluster      Cluster          up   9000  auto/10000 healthy
e0b       Cluster      Cluster          up   9000  auto/10000 healthy

Node: node_A_2_FC

                                                  Speed(Mbps) Health
Port      IPspace      Broadcast Domain Link MTU  Admin/Oper  Status
--------- ------------ ---------------- ---- ---- ----------- --------
e0a       Cluster      Cluster          up   9000  auto/10000 healthy
e0b       Cluster      Cluster          up   9000  auto/10000 healthy

4 entries were displayed.

cluster_A::>
```

4. Verify that all cluster LIFs are up and operational: `network interface show -vserver cluster`

   Each cluster LIF should display "true" for "Is Home" and "up/up" for "Status Admin/Oper".

```
cluster_A::> network interface show -vserver cluster

            Logical      Status     Network          Current
Current Is
Vserver     Interface  Admin/Oper Address/Mask       Node          Port
Home
----------- ---------- ---------- ------------------ -------------
------- -----
Cluster
            node_A-1_FC_clus1
                       up/up      169.254.209.69/16  node_A-1_FC   e0a
true
            node_A_1_FC_clus2
                       up/up      169.254.49.125/16  node_A_1_FC   e0b
true
            node_A_2_FC_clus1
                       up/up      169.254.47.194/16  node_A_2_FC   e0a
true
            node_A_2_FC_clus2
                       up/up      169.254.19.183/16  node_A_2_FC   e0b
true

4 entries were displayed.

cluster_A::>
```

5. Verify that auto-revert is enabled on all cluster LIFs: `network interface show -vserver Cluster -fields auto-revert`

```
cluster_A::> network interface show -vserver Cluster -fields auto-revert

          Logical
Vserver   Interface     Auto-revert
--------- ------------- ------------
Cluster
           node_A_1_FC_clus1
                        true
           node_A_1_FC_clus2
                        true
           node_A_2_FC_clus1
                        true
           node_A_2_FC_clus2
                        true

    4 entries were displayed.

cluster_A::>
```

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