Checking the MetroCluster configuration

ONTAP MetroCluster

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Checking the MetroCluster configuration

You can check that the components and relationships in the MetroCluster configuration are working correctly. You should do a check after initial configuration and after making any changes to the MetroCluster configuration. You should also do a check before a negotiated (planned) switchover or a switchback operation.

If the `metrocluster check run` command is issued twice within a short time on either or both clusters, a conflict can occur and the command might not collect all data. Subsequent `metrocluster check show` commands do not show the expected output.

Steps

1. Check the configuration:

   `metrocluster check run`

   The command runs as a background job and might not be completed immediately.

   ```
   cluster_A::> metrocluster check run
   The operation has been started and is running in the background. Wait
   for
   it to complete and run "metrocluster check show" to view the results. To
   check the status of the running metrocluster check operation, use the
   command,
   "metrocluster operation history show -job-id 2245"
   ```

   ```
   cluster_A::> metrocluster check show
   Last Checked On: 9/13/2018 20:41:37

   Component           Result
   ------------------- ---------
   nodes               ok
   lifs                ok
   config-replication  ok
   aggregates          ok
   clusters            ok
   connections         ok
   6 entries were displayed.
   ```

2. Display more detailed results from the most recent `metrocluster check run` command:

   `metrocluster check aggregate show`

   `metrocluster check cluster show`

metrocluster check config-replication show

metrocluster check lif show

metrocluster check node show

The `metrocluster check show` commands show the results of the most recent `metrocluster check run` command. You should always run the `metrocluster check run` command prior to using the `metrocluster check show` commands so that the information displayed is current.

The following example shows the `metrocluster check aggregate show` command output for a healthy four-node MetroCluster configuration:

```
cluster_A::> metrocluster check aggregate show

Last Checked On: 8/5/2014 00:42:58

Node                  Aggregate                 Check
Result
---------------       --------------------      ---------------------
---------
controller_A_1        controller_A_1_aggr0
                                                mirroring-status
ok
                                                disk-pool-allocation
ok
                                                ownership-state
ok
                      controller_A_1_aggr1
                                                mirroring-status
ok
                                                disk-pool-allocation
ok
                                                ownership-state
ok
                      controller_A_1_aggr2
                                                mirroring-status
ok
                                                disk-pool-allocation
ok
                                                ownership-state
ok


controller_A_2        controller_A_2_aggr0
                                                mirroring-status
ok
```

```
                                                    disk-pool-allocation
ok
                                                    ownership-state
ok
                      controller_A_2_aggr1
                                                    mirroring-status
ok
                                                    disk-pool-allocation
ok
                                                    ownership-state
ok
                      controller_A_2_aggr2
                                                    mirroring-status
ok
                                                    disk-pool-allocation
ok
                                                    ownership-state
ok

18 entries were displayed.
```

The following example shows the `metrocluster check cluster show` command output for a healthy four-node MetroCluster configuration. It indicates that the clusters are ready to perform a negotiated switchover if necessary.

```
Last Checked On: 9/13/2017 20:47:04

Cluster               Check                          Result
--------------------- ------------------------------ ---------
mccint-fas9000-0102
                      negotiated-switchover-ready    not-applicable
                      switchback-ready               not-applicable
                      job-schedules                  ok
                      licenses                       ok
                      periodic-check-enabled         ok
mccint-fas9000-0304
                      negotiated-switchover-ready    not-applicable
                      switchback-ready               not-applicable
                      job-schedules                  ok
                      licenses                       ok
                      periodic-check-enabled         ok
10 entries were displayed.
```