



# 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.

## About this task

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
controller_A_2	controller_A_2_aggr0	mirroring-status
ok		

```

ok                                     disk-pool-allocation
                                         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.

```

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