



Implementing the MetroCluster configuration

ONTAP MetroCluster

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Implementing the MetroCluster configuration

You must run the `metrocluster configure -refresh true` command to start data protection on the nodes that you have added to a MetroCluster configuration.

About this task

You issue the `metrocluster configure -refresh true` command once, on one of the newly added nodes, to refresh the MetroCluster configuration. You do not need to issue the command on each of the sites or nodes.

The `metrocluster configure -refresh true` command automatically pairs the two nodes with the lowest system IDs in each of the two clusters as disaster recovery (DR) partners. In a four-node MetroCluster configuration, there are two DR partner pairs. The second DR pair is created from the two nodes with higher system IDs.

Steps

1. Refresh the MetroCluster configuration:

- a. Enter advanced privilege mode:

```
set -privilege advanced
```

- b. Refresh the MetroCluster configuration on one of the new nodes:

```
metrocluster configure -refresh true
```

The following example shows the MetroCluster configuration refreshed on both DR groups:

```
controller_A_2::*> metrocluster configure -refresh true

[Job 726] Job succeeded: Configure is successful.
```

```
controller_A_4::*> metrocluster configure -refresh true

[Job 740] Job succeeded: Configure is successful.
```

- c. Return to admin privilege mode:

```
set -privilege admin
```

2. Verify the networking status on site A:

```
network port show
```

The following example shows the network port usage on a four-node MetroCluster configuration:

```
cluster_A::> network port show
```

| Node | Port | IPspace | Broadcast Domain | Link | MTU | Speed (Mbps) Admin/Oper |
|----------------|------|---------|------------------|------|------|----------------------------|
| controller_A_1 | | | | | | |
| | e0a | Cluster | Cluster | up | 9000 | auto/1000 |
| | e0b | Cluster | Cluster | up | 9000 | auto/1000 |
| | e0c | Default | Default | up | 1500 | auto/1000 |
| | e0d | Default | Default | up | 1500 | auto/1000 |
| | e0e | Default | Default | up | 1500 | auto/1000 |
| | e0f | Default | Default | up | 1500 | auto/1000 |
| | e0g | Default | Default | up | 1500 | auto/1000 |
| controller_A_2 | | | | | | |
| | e0a | Cluster | Cluster | up | 9000 | auto/1000 |
| | e0b | Cluster | Cluster | up | 9000 | auto/1000 |
| | e0c | Default | Default | up | 1500 | auto/1000 |
| | e0d | Default | Default | up | 1500 | auto/1000 |
| | e0e | Default | Default | up | 1500 | auto/1000 |
| | e0f | Default | Default | up | 1500 | auto/1000 |
| | e0g | Default | Default | up | 1500 | auto/1000 |

```
14 entries were displayed.
```

3. Verify the MetroCluster configuration from both sites in the MetroCluster configuration:

a. Verify the configuration from site A:

```
metrocluster show
```

```
cluster_A::> metrocluster show
```

```
Configuration: IP fabric
```

| Cluster | Entry Name | State |
|-------------------|---------------------|------------|
| Local: cluster_A | Configuration state | configured |
| | Mode | normal |
| Remote: cluster_B | Configuration state | configured |
| | Mode | normal |

b. Verify the configuration from site B:

```
metrocluster show
```

```
cluster_B::> metrocluster show
```

Configuration: IP fabric

| Cluster | Entry Name | State |
|-------------------|---------------------|------------|
| ----- | ----- | ----- |
| Local: cluster_B | Configuration state | configured |
| | Mode | normal |
| Remote: cluster_A | Configuration state | configured |
| | Mode | normal |

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