



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.

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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