



# **Refreshing the MetroCluster configuration with new controllers**

## **ONTAP MetroCluster**

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# Refreshing the MetroCluster configuration with new controllers

You must refresh the MetroCluster configuration when expanding it from a two-node configuration to a four-node configuration.

## Steps

1. Refresh the MetroCluster configuration:

a. Enter advanced privilege mode:

```
set -privilege advanced
```

b. Refresh the MetroCluster configuration:

```
metrocluster configure -refresh true -allow-with-one-aggregate true
```

The following command refreshes the MetroCluster configuration on all of the nodes in the DR group that contains controller\_A\_1:

```
controller_A_1::*> metrocluster configure -refresh true -allow-with  
-one-aggregate true
```

```
[Job 726] 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
```

Cluster	Entry Name	State
-----		
Local: cluster_A	Configuration state	configured
	Mode	normal
	AUSO Failure Domain	auso-on-cluster-
disaster		
Remote: cluster_B	Configuration state	configured
	Mode	normal
	AUSO Failure Domain	auso-on-cluster-
disaster		

#### b. Verify the configuration from site B:

```
metrocluster show
```

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

Cluster	Entry Name	State
-----	-----	-----
Local: cluster_B	Configuration state	configured
	Mode	normal
	AUSO Failure Domain	auso-on-cluster-
disaster		
Remote: cluster_A	Configuration state	configured
	Mode	normal
	AUSO Failure Domain	auso-on-cluster-
disaster		

c. Verify that the DR relationships have been created correctly:

```
metrocluster node show -fields dr-cluster,dr-auxiliary,node-object-limit,automatic-uso,ha-partner,dr-partner
```

```
metrocluster node show -fields dr-cluster,dr-auxiliary,node-object-limit,automatic-uso,ha-partner,dr-partner
```

dr-group-id	cluster	node	ha-partner	dr-cluster	dr-partner
dr-auxiliary	node-object-limit	automatic-uso			
-----	-----	---	-----	-----	-----
2	cluster_A	node_A_1	node_A_2	cluster_B	node_B_1
node_B_2	on		true		
2	cluster_A	node_A_2	node_A_1	cluster_B	node_B_2
node_B_1	on		true		
2	cluster_B	node_B_1	node_B_2	cluster_A	node_A_1
node_A_2	on		true		
2	cluster_B	node_B_2	node_B_1	cluster_A	node_A_2
node_A_1	on		true		

4 entries were displayed.

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