



# **metrocluster node commands**

## **ONTAP 9.15.1 commands**

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# metrocluster node commands

## metrocluster node show

Display MetroCluster node configuration information

**Availability:** This command is available to *cluster* administrators at the *admin* privilege level.

### Description

The `metrocluster node show` command displays configuration information for the nodes in the MetroCluster configuration.

### Parameters

**{ [-fields <fieldname>,...]**

If you specify the `-fields <fieldname>, ...` parameter, the command output also includes the specified field or fields. You can use `'-fields ?'` to display the fields to specify.

**| [-partners ]**

If this option is used the MetroCluster node partnership view will be displayed.

**| [-instance ] }**

If you specify the `-instance` parameter, the command displays detailed information about all fields.

**[-dr-group-id <integer>] - DR Group ID**

If this parameter is specified, all nodes belonging to the specified DR group are displayed.

**[-cluster <Cluster name>] - Cluster Name**

If this parameter is specified, all nodes belonging to the specified cluster are displayed.

**[-node <Node name>] - Node Name**

If this parameter is specified, the specified node is displayed.

**[-ha-partner <Node name>] - HA Partner Name**

If this parameter is specified, the node with the specified HA partner is displayed.

**[-dr-cluster <Cluster name>] - DR Cluster Name**

If this parameter is specified, all nodes belonging to the specified cluster are displayed.

**[-dr-partner <Node name>] - DR Partner Name**

If this parameter is specified, the node with the specified DR partner is displayed.

**[-dr-auxiliary <Node name>] - DR Auxiliary Name**

If this parameter is specified, the node with the specified DR auxiliary partner is displayed.

**[-node-uuid <UUID>] - Node UUID**

If this parameter is specified, the node with the specified Uuid is displayed.

**[-ha-partner-uuid <UUID>] - HA Partner UUID**

If this parameter is specified, the nodes with the specified HA partner is displayed.

**[-dr-partner-uuid <UUID>] - DR Partner UUID**

If this parameter is specified, the node with the specified DR partner is displayed.

**[-dr-auxiliary-uuid <UUID>] - DR Auxiliary UUID**

If this parameter is specified, the node with the specified DR auxiliary partner is displayed.

**[-node-cluster-uuid <UUID>] - Node Cluster UUID**

If this parameter is specified, all nodes belonging to the specified cluster are displayed.

**[-ha-partner-cluster-uuid <UUID>] - HA Partner Cluster UUID**

If this parameter is specified, all nodes whose HA partner belong to the specified cluster are displayed.

**[-dr-partner-cluster-uuid <UUID>] - DR Partner Cluster UUID**

If this parameter is specified, all nodes whose DR partner belong to the specified cluster are displayed.

**[-dr-auxiliary-cluster-uuid <UUID>] - DR Auxiliary Cluster UUID**

If this parameter is specified, all nodes whose DR auxiliary partner belong to the specified cluster are displayed.

**[-node-systemid <integer>] - Node System ID**

If this parameter is specified, all nodes with the specified system ID are displayed.

**[-ha-partner-systemid <integer>] - HA Partner System ID**

If this parameter is specified, all nodes with an HA partner with the specified system ID are displayed.

**[-dr-partner-systemid <integer>] - DR Partner System ID**

If this parameter is specified, all nodes with a DR partner with the specified system ID are displayed.

**[-dr-auxiliary-systemid <integer>] - DR Auxiliary System ID**

If this parameter is specified, all nodes with a DR auxiliary partner with the specified system ID are displayed.

**[-dr-mirroring-state <text>] - State of DR Mirroring Config**

If this parameter is specified, all nodes with this field set to the specified value are displayed. This field specifies if the NVRAM mirroring to the DR partner is enabled through the [metrocluster configure](#) command. This field needs to be set to "enabled" for the DR mirroring to be active.

**[-configuration-state <text>] - Configuration State of Node**

If this parameter is specified, all nodes with this field set to the specified value are displayed.

**[-additional-configuration-info <text>] - Additional Configuration Info**

If this parameter is specified, all nodes with this field set to the specified value are displayed.

**[-dr-operation-state <text>] - DR Operation State**

If this parameter is specified, all nodes with this field set to the specified value are displayed.

**[-dr-operation-time <integer>] - Time to Complete Operation (secs)**

If this parameter is specified, all nodes with this field set to the specified value are displayed.

**[-node-object-limit {on|off}] - Specifies if the Node Object Limits are Enforced**

If this parameter is specified, all nodes with this field set to the specified value are displayed.

**[-node-ha-partner <text>] - Node and its HA Partner**

If this parameter is specified, all nodes with this field set to the specified value are displayed.

**[-automatic-uso {true|false}] - Automatic USO (privilege: advanced)**

If this parameter is specified, all nodes with this field set to the specified value are displayed.

**[-mccip-node {true|false}] - MCC-IP Node (privilege: advanced)**

If this parameter is specified, all nodes with this field set to the specified value are displayed.

**[-is-encryption-enabled {true|false}] - Encryption Enabled**

If this parameter is specified, all nodes with this field set to the specified value are displayed.

## Examples

The following example shows the output of the command before the MetroCluster configuration is done:

```
clusA::> metrocluster node show
DR
Group Cluster Node          Configuration  DR
State              Mirroring Mode
-----
-----
-      clusA  clusA-01      ready to configure
                                   -      -
                                   clusA-02      ready to configure
                                   -      -
                                   clusA-03      ready to configure
                                   -      -
                                   clusA-04      ready to configure
                                   -      -

4 entries were displayed.
clusA::> metrocluster node show -partners
Node (HA Partner) DR Partner (DR Auxiliary)
-----
-----
Cluster:                clusA -
                        clusA-01 (-) - (-)
                        clusA-02 (-) - (-)
                        clusA-03 (-) - (-)
                        clusA-04 (-) - (-)

4 entries were displayed.
```

The following example shows the output of the command when some DR groups in the MetroCluster configuration are not yet configured:

```
clusA::> metrocluster node show
DR
Group Cluster Node Configuration State DR Mirroring Mode
-----
-----
-      clusA  clusA-03  ready to configure  -      -
                clusA-04  ready to configure  -      -
1      clusA  clusA-01  configured          enabled  normal
                clusA-02  configured          enabled  normal
      clusB  clusB-01  configured          enabled  normal
                clusB-02  configured          enabled  normal
6 entries were displayed.
clusA::> metrocluster node show -partners
Node (HA Partner) DR Partner (DR Auxiliary)
-----
-----
Cluster:                clusA -
                        clusA-03 (-) - (-)
                        clusA-04 (-) - (-)
Cluster:                clusA clusB
                        clusA-01 (clusA-02) clusB-01 (clusB-02)
                        clusA-02 (clusA-01) clusB-02 (clusB-01)
Cluster:                clusB clusA
                        clusB-01 (clusB-02) clusA-01 (clusA-02)
                        clusB-02 (clusB-01) clusA-02 (clusA-01)
6 entries were displayed.
```

The following example shows the output of the command after after all DR groups in the MetroCluster configuration are configured:

```
clusA::> metrocluster node show
```

DR Group	Cluster	Node	Configuration State	DR Mirroring Mode
1	clusA	clusA-01	configured	enabled normal
		clusA-02	configured	enabled normal
	clusB	clusB-01	configured	enabled normal
		clusB-02	configured	enabled normal
2	clusA	clusA-03	configured	enabled normal
		clusA-04	configured	enabled normal
	clusB	clusB-03	configured	enabled normal
		clusB-04	configured	enabled normal

8 entries were displayed.

```
clusA::> metrocluster node show -partners
```

	Node (HA Partner)	DR Partner (DR Auxiliary)
Cluster:	clusA	clusB
	clusA-01 (clusA-02)	clusB-01 (clusB-02)
	clusA-02 (clusA-01)	clusB-02 (clusB-01)
Cluster:	clusB	clusA
	clusB-01 (clusB-02)	clusA-01 (clusA-02)
	clusB-02 (clusB-01)	clusA-02 (clusA-01)
Cluster:	clusA	clusB
	clusA-03 (clusA-04)	clusB-03 (clusB-04)
	clusA-04 (clusA-03)	clusB-04 (clusB-03)
Cluster:	clusB	clusA
	clusB-03 (clusB-04)	clusA-03 (clusA-04)
	clusB-04 (clusB-03)	clusA-04 (clusA-03)

8 entries were displayed.

## Related Links

- [metrocluster configure](#)

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