metrocluster node commands

ONTAP commands

NetApp
February 03, 2026

This PDF was generated from https://docs.netapp.com/us-en/ontap-cli-9141/metrocluster-node-show.html on February 03, 2026. Always check docs.netapp.com for the latest.

Table of Contents

metrocluster node commands . . . 1
metrocluster node show . . . 1
Description . . . 1
Parameters . . . 1
Examples . . . 3
Related Links . . . 5

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.

Examples

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

```
clusA::> metrocluster node show
       DR                               Configuration  DR
       Group Cluster Node               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                               Configuration  DR
       Group Cluster Node               State          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                              Configuration  DR
       Group Cluster Node              State          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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