



# **snapmirror mediator commands**

## ONTAP commands

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# snapmirror mediator commands

## snapmirror mediator add

Create mediator config entry

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

### Description

The `snapmirror mediator add` command configures the connection between a pair of clusters and an ONTAP Mediator. It is mandatory to initialize the ONTAP Mediator on one of the cluster peers before the SnapMirror Business Continuity (SMBC) relation with policy type *automated-failover* performs a planned or an unplanned failover. You can initialize the ONTAP Mediator from either cluster. When you issue the ONTAP Mediator add command on one cluster, the ONTAP Mediator is automatically added on the other cluster.

### Parameters

**-mediator-address <IP Address> - Mediator Ip Address**

Specifies the IP address of the mediator.

**-peer-cluster <text> - Peer cluster**

Peer cluster with AutomatedFailOver SnapMirror relationships.

**-username <text> - Username**

User account at the mediator.

**[-port-number <integer>] - Port Number**

This optional parameter specifies the mediator service port number to communicate with the mediator. The port number must be in the range 1025 to 65535 inclusive. The default port number is 31784.

### Examples

The following example configures the connection between a mediator and a pair of clusters.

```
clusA::> snapmirror mediator add -mediator-address 10.234.102.227 -peer
-cluster clusB -username admin
Notice: Enter the mediator password.
Enter the password:
      Enter the password again:
Info: [Job: 114] 'mediator add' job queued
```

# snapmirror mediator remove

Remove mediator config entry

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

## Description

The `snapmirror mediator remove` command deletes a mediator configuration entry.

## Parameters

**-mediator-address <IP Address> - Mediator Ip Address**

Specifies the IP address of the mediator.

**-peer-cluster <text> - Peer cluster**

Peer cluster with AutomatedFailOver SnapMirror relationships.

## Examples

The following example removes a mediator configuration entry.

```
clusA::> snapmirror mediator remove -mediator-address 10.140.102.227 -peer
-cluster clusB
Info: [Job 36] 'mediator remove' job queued
```

# snapmirror mediator show

Show mediator information

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

## Description

The `snapmirror mediator show` command shows the status of the ONTAP Mediator 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.

**| [-instance ] }**

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

**[-mediator-address <IP Address>] - Mediator IP Address**

Ip address of the mediator.

**[-peer-cluster <text>] - Peer Cluster Name**

Peer cluster name.

**[-connection-status**

**{connected|unreachable|suspended|unusable|misconfigured|removing|not-configured|unknown|adding}] - Connection Status**

Connection status of the cluster with the mediator.

**[-quorum-status {unknown|true|false}] - Mediator Quorum Status**

Shows whether the SnapMirror Consistency Group relationships are synchronized with mediator.

**[-health-fetch-timeout <integer>] - Peer Health Fetch Timeout**

Timeout value (in seconds) for peer-cluster health fetch via mediator.

**[-connection-timeout <integer>] - Connection Timeout**

Timeout value (in seconds) for mediator connection.

## Examples

The following example shows the list of mediator configurations.

```
clusA::*> snapmirror mediator show
  Mediator Address Peer Cluster      Connection Status Quorum Status
  -----
  10.140.102.227  clusB          unreachable      true
clusA::*> snapmirror mediator show -instance
Mediator Uuid: 416fbdee-c982-11e9-9034-005056a7124c
Mediator IP Address: 10.140.102.227
Peer Cluster: clusB
Peer Cluster Uuid: 771d9b13-c973-11e9-928e-005056a7a882
Connection Status: unreachable
Quorum Status: true
Health Fetch Timeout: 5
Connection Timeout: 5
```

## snapmirror mediator tba-history show

Show Mediator Agent Event History

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

## Description

The `snapmirror mediator tba-history show` command shows the history of the ONTAP Mediator Agent events..

## 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.

**| [-instance ] }**

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

**[-cg-rel-uuid <UUID>] - Cg Relationship Uuid**

Cg Relationship Uuid.

**[-start-time <MM/DD/YYYY HH:MM:SS>] - TBA Task Start Time**

Mediator Agent Task Start Time.

**[-token-num <integer>] - Token Number**

Token Number.

**[-cg-path**

**{<[vserver:] [volume]>|<[[cluster:]//vserver/] volume>|<hostip:/lun/name>|<hostip:/share/share-name>|<[vserver:]/cg/[cgname]>}** - Cg Path

Cg Path.

**[-aux-generation-num <integer>] - Auxillary Generation Number**

Auxillary Generation Number.

**[-cg-rel-task <text>] - TBA Task Type**

Mediator Agent Task Type.

**[-cg-rel-state {invalid-state|waiting|task-processing|task-complete}] - Cg Management State**

Cg Management State.

**[-end-time <MM/DD/YYYY HH:MM:SS>] - TBA Task End Time**

Mediator Agent Task End Time.

**[-cg-rel-action {invalid|none|continue|stop|failover-incapable|auto-failover|success|failed|mismatch|retry|success-pending|stop-pending|continue-pending|failover-incapable-pending}] - Cg Management Action**

Cg Management Action.

**[-errCode <integer>] - Error Code for Task Failure**

Error Code for Task Failure.

## Examples

The following example shows the list of mediator configurations.

```
C1_sti89-vsimgucs525q_cluster::> snapmirror mediator tba-history show
(snapmirror mediator tba-history show)
      Path          Token API   Event   Start Time   State       End Time
Action
-----
-----
      vs0:/cg/cg1_src 5   4       Process Set Resync Context 4/28/2021
11:09:52 task-complete 4/28/2021 11:09:52 continue
      vs0:/cg/cg1_src 6   1       Process Master InSync 4/28/2021 11:10:08
task-complete 4/28/2021 11:10:08 success
      2 entries were displayed.
      C1_sti89-vsimgucs525q_cluster::> snapmirror mediator tba-history
show -instance
Cg Relationship Uuid: ad49a4f1-a833-11eb-9846-005056a7c906
      Mediator Agent Task Start Time: 4/28/2021 11:09:52
      Token Number: 5
      Cg Path: vs0:/cg/cg1_src
      Auxillary Generation Number: 4
      Mediator Agent Task Type: Process Set Resync Context
      Cg Management State: task-complete
      Mediator Agent Task End Time: 4/28/2021 11:09:52
      Cg Management Action: continue
      Error Code for Task Failure: 0
Cg Relationship Uuid: ad49a4f1-a833-11eb-9846-005056a7c906
      Mediator Agent Task Start Time: 4/28/2021 11:10:08
      Token Number: 6
      Cg Path: vs0:/cg/cg1_src
      Auxillary Generation Number: 1
      Mediator Agent Task Type: Process Master InSync
      Cg Management State: task-complete
      Mediator Agent Task End Time: 4/28/2021 11:10:08
      Cg Management Action: success
      Error Code for Task Failure: 0
```

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