snapmirror config-replication commands

ONTAP commands

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snapmirror config-replication commands

snapmirror config-replication cluster-storage-configuration modify

Modify SnapMirror storage configuration information

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

Description

The `snapmirror config-replication cluster-storage-configuration modify` command modifies the configuration of storage used for configuration replication.

Parameters

`[-disallowed-aggregates <aggregate name>,…]` - Disallowed Aggregates (privilege: advanced)

Use this parameter to set the list of storage aggregates that are not available to host storage for configuration replication.

Examples

The following example disallows two aggregates named *`aggr1`* and *`aggr2`* :

```
cluster1::*> snapmirror config-replication cluster-storage-configuration
modify -disallowed-aggregates aggr1,aggr2
```

snapmirror config-replication cluster-storage-configuration show

Display SnapMirror storage configuration information

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

Description

The `snapmirror config-replication cluster-storage-configuration show` command shows details of the configuration of the storage used for configuration replication.

The information displayed is the following:

- Disallowed Aggregates - The list of storage aggregates that are configured as not allowed to host storage areas.
- Auto-Repair - Displays *`true`* if the automatic repair of storage areas used by configuration replication is enabled.
- Auto-Recreate - Displays *`true`* if the automatic recreation of storage volumes used by configuration

replication is enabled.

- Use Mirrored Aggregate - Displays *true* if storage areas for configuration replication are to be hosted on a mirrored aggregate.

Examples

The following is an example of the `snapmirror config-replication cluster-storage-configuration show` command:

```
cluster1::*> snapmirror config-replication cluster-storage-configuration
show
Disallowed Aggregates: -
           Auto-Repair: true
         Auto-Recreate: true
Use Mirrored Aggregate: true
```

snapmirror config-replication status show-aggregate-eligibility

Display the SnapMirror configuration replication aggregate eligibility

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

Description

The `snapmirror config-replication status show-aggregate-eligibility` command displays the SnapMirror configuration replication aggregate eligibility.

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.

[-aggregate <aggregate name>] - Aggregate

Display only rows that have a matching aggregate name.

[-hosted-configuration-replication-volumes <volume name>,…] - Currently Hosted Configuration Replication Volumes

Display only rows that have matching configuration replication volumes hosted on this aggregate.

[-is-eligible-to-host-additional-volumes {true|false}] - Eligibility to Host Another Configuration Replication Volume

Display only rows that have a matching eligibility of the aggregate to host additional configuration replication

volumes.

[-comment <text>] - Comment for Eligibility Status

Display only rows that have a matching comment regarding the eligibility of the aggregate to host configuration replication volumes.

Examples

The following example shows the execution of the command in a SnapMirror configuration with thirteen aggregates in the cluster:

```
clusA::snapmirror config-replication status> show-aggregate-eligibility
                                                          Eligible to
Aggregate    Hosted Config Replication Vols               Host Addl Vols
Comments
------------ ------------------------------------------- --------------
--------
a0           -                                           false
Root Aggregate
a1           MDV_CRS_1bc7134a5ddf11e3b63f123478563412_A true           -
a2           MDV_CRS_1bc7134a5ddf11e3b63f123478563412_B true           -
a3           -                                           false
Unable to determine available space of aggregate
a4           -                                           false
Non-Local Aggregate
a5           -                                           false
Non-Home Aggregate
a6           -                                           false
Unable to determine mirror configuration
a7           -                                           false
Mirror configuration does not match requirement
a8           -                                           false
Disallowed Aggregate
a9           -                                           false
Insufficient Space - 10GB required
a10          -                                           false
Aggregate Offline
a11          -                                           false
Inconsistent Aggregate
a12          -                                           false
Aggregate Full
13 entries were displayed.
```

snapmirror config-replication status show-communication

Display SnapMirror configuration replication communication status information

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

Description

The `snapmirror config-replication status show-communication` command displays the current SnapMirror configuration replication communication status.

The command displays the following aspects of SnapMirror configuration replication for each peer cluster:

- Remote Heartbeat: Verifies that the SnapMirror configuration replication heartbeat with the remote cluster is healthy.
- Last Heartbeat Sent: Prints the timestamp of the last SnapMirror configuration replication heartbeat sent to the remote cluster.
- Last Heartbeat Received: Prints the timestamp of the last SnapMirror configuration replication hearbeat received from the remote cluster.

Additional information about the warnings (if any) and recovery steps can be viewed by running the command with the -instance option.

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.

[-cluster-uuid <UUID>] - Remote Cluster

Display only rows that have a matching peer cluster UUID.

[-cluster <text>] - Peer Cluster Name

Display only rows that have matching peer cluster name.

[-remote-heartbeat {ok|warning|not-run|not-applicable}] - Remote Heartbeat

Display only rows that have a matching remote heartbeat status.

[-last-heartbeat-sent <MM/DD/YYYY HH:MM:SS>] - Last Heartbeat Sent Time

Display only rows that have a matching timestamp of the last heartbeat sent.

[-last-heartbeat-received <MM/DD/YYYY HH:MM:SS>] - Last Heartbeat Received Time

Display only rows that have a matching timestamp of the last heartbeat received.

[-heartbeat-recovery-steps <text>] - Heartbeat Recovery Steps

Display only rows that have matching heartbeat recovery steps.

Examples

The following example shows the execution of the command in a SnapMirror configuration with two peer clusters:

```
clus1::*> snapmirror config-replication status show-communication
           Peer Cluster: clus2
       Remote Heartbeat: ok
    Last Heartbeat Sent: 11/11/2014 11:11:45
Last Heartbeat Received: 11/11/2014 11:11:46
Peer Cluster: clus3
       Remote Heartbeat: ok
    Last Heartbeat Sent: 11/11/2014 11:11:26
Last Heartbeat Received: 11/11/2014 11:11:27

2 entries were displayed.
```

snapmirror config-replication status show

Display SnapMirror configuration replication status information

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

Description

The `snapmirror config-replication status show` command displays the current SnapMirror configuration replication status.

The command displays the following aspects of SnapMirror configuration replication:

- Enabled: Verifies that SnapMirror configuration replication is enabled on the cluster.
- Running: Verifies that SnapMirror configuration replication is running on the cluster.
- Storage Status: Verifies that SnapMirror configuration replication storage is healthy.
- Storage In Use: Prints the location of SnapMirror configuration replication storage.
- Storage Remarks: Prints the underlying root cause for non-healthy SnapMirror configuration storage.
- Vserver Streams: Verifies that SnapMirror configuration replication Vserver streams are healthy.

Additional information about the warnings (if any) and recovery steps can be viewed by running the command with the -instance option.

Parameters

[-instance]

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

Examples

The following example shows the execution of the command:

```
clus1::*> snapmirror config-replication status show
                Enabled: true
                Running: true
          Storage Status: ok
          Storage In Use: Cluster-wide Volume:
MDV_CRS_3d47e9106b7d11e4a77b000c29f810a2_A
         Storage Remarks: -
         Vserver Streams: ok
```

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