



# **snapmirror failover commands**

ONTAP 9.15.1 commands

NetApp  
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# snapmirror failover commands

## snapmirror failover show

Display failover status

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

### Description

The `snapmirror failover show` command is used to monitor the progress of the failover operation on the SnapMirror active sync relationship. You must execute this command from the destination cluster of the SnapMirror active sync relationship.

### 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.

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

Start operation time of the failover.

**[-source-path**

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

Specifies the source endpoint of the SnapMirror relationship.

**[-destination-path**

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

Specifies the destination endpoint of the SnapMirror relationship.

**[-status {started|failed|completed|completed\_with\_warnings}] - Failover Status**

This status of snapmirror failover.

**[-error-reason <text>] - Error Reason**

The reason for failure occurred during snapmirror failover.

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

End operation time of the failover.

**[-primary-data-cluster <text>] - Primary Data Cluster**

Primary data cluster.

### **[`-last-progress-update` <text>] - Last Progress Update**

Last progress update.

### **[`-type` {`planned`|`unplanned`|`incapable`}] - Failover Type**

Whether the SnapMirror failover was planned or unplanned.

### **[`-error-reason-codes` <integer>,...] - Error Reason codes**

The reason codes for failure occurred during snapmirror failover.

## **Examples**

To see the progress of the failover operation performed on an SnapMirror active sync relationship with destination Consistency Group `cg_dst` in Vserver `vs2.example.com`, type the following command from the destination cluster:

```
destination::> snapmirror failover show -destination-path
vs2.example.com:/cg/cg_dst
```

## **snapmirror failover start**

Start planned failover for SnapMirror relationships with 'automated-failover' policy-type

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

### **Description**

The `snapmirror failover start` command initiates a planned failover operation to change the roles of copies in a SnapMirror active sync relationship without disrupting the client operations. The primary writable volumes become the secondary data protection volumes while the secondary data protection volumes become the primary writable volumes. The new primary volumes can begin processing I/O requests locally without disrupting the client operations. Asymmetric Logical Unit Access (ALUA) reporting will also change as a part of this role change.

You should execute the `snapmirror failover start` command from the destination cluster.

Make sure the relationship status is InSync and the ONTAP Mediator is configured, connected, and in quorum before using this command to switch the primary and secondary roles.

### **Parameters**

#### **`-destination-path`**

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

Specifies the destination endpoint of the SnapMirror relationship.

## **Examples**

To perform a planned failover operation of an SnapMirror active sync relationship with source Consistency Group `cg_src` in Vserver `vs1.example.com`, and the destination Consistency Group `cg_dst` in Vserver

*vs2.example.com*, type the following command from the destination cluster:

```
destination::> snapmirror failover start -destination-path  
vs2.example.com:/cg/cg_dst
```

Note: The SnapMirror active sync relationship information in the [snapmirror show](#) command will now be available on the new destination that is Vserver *vs2.example.com* with *cg\_dst* as the new source and *cg\_src* as the new destination Consistency Groups after the SnapMirror failover operation is completed.

## Related Links

- [snapmirror show](#)

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