lun transition commands

ONTAP 9.7 commands

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lun transition commands

lun transition show

Display the status of LUN transition processing

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

Description

The `lun transition show` command displays information about the LUN transition processing status of volumes. If no parameters are specified, the command displays the following information about all volumes:

- Vserver name
- Volume name
- Transition status

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.

[-vserver <Vserver Name>] - Vserver Name (privilege: advanced)

Selects the volumes in the specified Vserver.

[-volume <volume name>] - Volume Name (privilege: advanced)

Selects the volumes with the specified name.

[-status {none|complete|failed|active}] - Transition Status (privilege: advanced)

Selects the volumes that match the specified transition status. The possible status values are:

- *active* - The volume is in an active SnapMirror transition relationship and not yet transitioned.
- *complete* - LUN transition has completed for the volume.
- *failed* - LUN transition has failed for the volume.
- *none* - The volume did not contain LUNs to transition from Data ONTAP 7-Mode.

[-vserver-uuid <UUID>] - Vserver UUID (privilege: advanced)

Selects the volumes in the Vserver that matches the specified UUID.

[-node <nodename>] - Filer ID (privilege: advanced)

Selects the volumes that match the specified node.

Examples

The following example displays LUN transition information for all volumes in a Vserver named *vs1* :

```
cluster1::*> lun transition show -vserver vs1
Vserver              Volume             Transition Status
-------------------- ------------------ -----------------
vs1                  vol0               none
                     vol1               complete
                     vol2               failed
                     vol3               active
4 entries were displayed.
```

lun transition start

Start LUN Transition Processing

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

Description

The `lun transition start` command starts LUN transition for the specified volume. Normally, transition is started automatically when snapmirror break is issued for the volume, this command allows restarting in the event automatic transitioning was interrupted or failed.

Parameters

`-vserver <Vserver Name>` - Vserver Name (privilege: advanced)

The name of the Vserver containing the volume. If only one data Vserver exists, you do not need to specify this parameter.

`-volume <volume name>` - Volume Name (privilege: advanced)

The name of the volume to restart LUN transition.

Examples

The following example starts LUN transition on a volume named *volume1* in a Vserver named *vs1* :

```
cluster1::*> lun transition start -vserver vs1 -volume volume1
```

Related Links

- snapmirror break

lun transition 7-mode delete

Delete an Untransitioned 7-Mode LUN

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

Description

The `lun transition 7-mode delete` command deletes an untransitioned LUN copied from a Data ONTAP 7-Mode system. This allows the admin to recover space from the volume for LUNs that may not be transitioned to clustered Data ONTAP without distrupting LUNs that have transitioned, for example, if the LUN is an unsupported OS type.

Parameters

`-vserver <Vserver Name>` - Vserver Name (privilege: advanced)

This specifies the name of the Vserver from which the LUN is to be deleted. If only one data Vserver exists, you do not need to specify this parameter.

`-path <path>` - LUN Path (privilege: advanced)

This specifies the path to the LUN to delete.

Examples

The following example deletes the LUN */vol/vol1/lun1* in a Vserver named *vs1* :

```
cluster1::*> lun transition 7-mode delete -vserver vs1 -path
/vol/vol1/lun1
```

lun transition 7-mode show

Display the 7-Mode LUN Inventory

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

Description

The `lun transition 7-mode show` command displays information about LUNs copied from a Data ONTAP 7-Mode system. If no parameters are specified, the command displays the following information about all 7-Mode LUNs:

- Vserver name
- LUN path
- Operating system type
- Size
- Whether or not the LUN has been transitioned to clustered Data ONTAP

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.

[-vserver <Vserver Name>] - Vserver Name (privilege: advanced)

Selects the 7-Mode LUNs in the specified Vserver.

[-path <path>] - LUN Path (privilege: advanced)

Selects the 7-Mode LUNs with the specified path.

[-volume <volume name>] - Volume Name (privilege: advanced)

Selects the 7-Mode LUNs that match the specified volume.

[-ostype <LUN Operating System Format>] - OS Type (privilege: advanced)

Selects the 7-Mode LUNs that match the specified operating system type.

[-size <size>] - LUN Size (privilege: advanced)

Selects the 7-Mode LUNs that match the specified size.

[-prefix-size <size>] - Prefix Stream Size (privilege: advanced)

Selects the 7-Mode LUNs that match the specified prefix stream size.

[-suffix-size <size>] - Suffix Stream Size (privilege: advanced)

Selects the 7-Mode LUNs that match the specified suffix stream size.

[-serial <text>] - Serial Number (privilege: advanced)

Selects the 7-Mode LUNs that match the specified serial number for clustered Data ONTAP. LUNs where `is-transitioned` is *`false`* do not have a serial number assigned for clustered Data ONTAP.

[-uuid <UUID>] - UUID (privilege: advanced)

Selects the 7-Mode LUNs that match the specified UUID for clustered Data ONTAP. LUNs where `is-transitioned` is *`false`* do not have a UUID assigned for clustered Data ONTAP.

[-serial-7-mode <text>] - 7-mode Serial Number (privilege: advanced)

Selects the 7-Mode LUNs that match the specified serial number from 7-Mode.

[-is-transitioned {true|false}] - Transition Complete (privilege: advanced)

Selects the 7-Mode LUNs that match the specified transition state. LUNs where this value is *`true`* have been transitioned and are available to be mapped for client access. LUNs where this value is *`false`* have not yet been transitioned and may not be mapped.

[-vserver-uuid <UUID>] - Vserver UUID (privilege: advanced)

Selects the 7-Mode LUNs that match the specified Vserver UUID.

[-node <nodename>] - Node (privilege: advanced)

Selects the 7-Mode LUNs that match the specified node name.

Examples

The following example displays a summary of all 7-Mode LUNs for the volume *vol1* in a Vserver named *vs1* :

```
cluster1::*> lun transition 7-mode show -vserver vs1 -volume vol1
Vserver   Path                            Type     Size   Transitioned
--------- ------------------------------ -------- ------ ------------
vs1       /vol/vol1/lun1                 linux      10MB false
          /vol/vol1/lun2                 linux     500MB true
          /vol/vol1/lun3                 linux     500MB true
8 entries were displayed.
```

The following example displays detailed information for the 7-Mode LUN */vol/vol1/lun2* in a Vserver named *vs1* :

```
cluster1::*> lun transition 7-mode show -vserver vs1 -path /vol/vol1/lun2
Vserver Name: vs1
            LUN Path: /vol/vol1/lun2
         Volume Name: vol1
             OS Type: linux
            LUN Size: 500MB
  Prefix Stream Size: 0
  Suffix Stream Size: 0
       Serial Number: BCVvv$DLZu8g
                UUID: f53d603b-9663-4567-9680-95c1a9cc6d9e
7-mode Serial Number: C4eqKotPI8Ui
 Transition Complete: true
        Vserver UUID: be4cc135-163f-11e3-931f-123478563412
                Node: cluster-01
```

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