lun move commands

ONTAP 9.3 commands

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lun move commands

lun move cancel

Cancel a LUN move operation before the new LUN has been created

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

Description

The `lun move cancel` command cancels an ongoing LUN move operation prior to creation of the new LUN. The command fails if the LUN already exists at the destination path; in that case, allow the current move operation to complete and then move it back using the lun move start command.

All data transfers will be halted. If the source LUN was quiesced, it will be restored to normal operation.

This is an advanced command because the preferred way to cancel a LUN move operation is to wait until the new LUN becomes visible, and then move it back.

This command is not supported for a Vserver with Infinite Volume.

Parameters

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

Specifies the name of the Vserver that will host the destination LUN.

-destination-path <path> - Destination Path (privilege: advanced)

Specifies the full path to the new LUN, in the format /vol/<volume>[/<qtree>]/<lun>.

Examples

```
cluster1::*> lun move cancel -vserver vs1 -destination-path /vol/vol2/lun2
```

Cancels the move operation identified by Vserver *vs1* and destination path */vol/vol2/lun2* .

Related Links

- lun move start

lun move modify

Modify an ongoing LUN move operation

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

Description

The `lun move modify` command modifies the maximum throughput of an ongoing move operation.

This command is not supported for a Vserver with Infinite Volume.

Parameters

{ -vserver <Vserver Name> - Vserver Name

Specifies the name of the Vserver that will host the destination LUN.

-destination-path <path> - Destination Path

Specifies the full path to the new LUN, in the format /vol/<volume>[/<qtree>]/<lun>.

-max-throughput {<integer>[KB|MB|GB|TB|PB]} - Maximum Transfer Rate (per sec)

Specifies the maximum amount of data, in bytes, that can be transferred per second in support of this operation. This mechanism can be used to throttle a transfer, to reduce its impact on the performance of the source and destination nodes.

The specified value will be rounded up to the nearest megabyte.

Examples

```
cluster1::> lun move modify -vserver vs1 -destination-path /vol/vol2/lun2
-max-throughput 25MB
```

Modifies the maximum throughput for the ongoing move job identified by Vserver *vs1* and destination path */vol/vol2/lun2* to 25 MB/sec.

lun move pause

Pause an ongoing LUN move operation

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

Description

The `lun move pause` command pauses an ongoing move operation. Use the lun move resume command to resume the move operation.

This command is not supported for a Vserver with Infinite Volume.

Parameters

{ -vserver <Vserver Name> - Vserver Name

Specifies the name of the Vserver that will host the destination LUN.

-destination-path <path> - Destination Path

Specifies the full path to the new LUN, in the format /vol/<volume>[/<qtree>]/<lun>.

Examples

```
cluster1::> lun move pause -vserver vs1 -destination-path /vol/vol2/lun2
```

Pauses the ongoing move operation identified by Vserver *vs1* and destination path */vol/vol2/lun2* .

Related Links

- lun move resume

lun move resume

Resume a paused LUN move operation

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

Description

The `lun move resume` command resumes a paused move operation.

This command is not supported for a Vserver with Infinite Volume.

Parameters

{ -vserver <Vserver Name> - Vserver Name

Specifies the name of the Vserver that will host the destination LUN.

-destination-path <path> - Destination Path

Specifies the full path to the new LUN, in the format /vol/<volume>[/<qtree>]/<lun>.

Examples

```
cluster1::> lun move resume -vserver vs1 -destination-path /vol/vol2/lun2
```

Resumes the paused move operation identified by Vserver *vs1* and destination path */vol/vol2/lun2* .

lun move show

Display a list LUNs currently being moved

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

Description

The `lun move show` command shows information about LUNs currently being moved in the cluster.

This command is not supported for a Vserver with Infinite Volume.

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

Selects LUN move operations that match this parameter value.

[-destination-path <path>] - Destination Path

Selects LUN move operations that match this parameter value.

[-source-path <path>] - Source Path

Selects LUN move operations that match this parameter value.

[-is-promoted-late {true|false}] - Is Destination Promoted Late

Selects LUN move operations that match this parameter value.

[-max-throughput {<integer>[KB|MB|GB|TB|PB]}] - Maximum Transfer Rate (per sec)

Selects LUN move operations that match this parameter value.

[-job-status {Preparing|Allocation-Map|Data|Destroying|Paused-Admin|Paused-Error|Complete|Destroyed}] - LUN Move Status

Selects LUN move operations that match this parameter value. The possible values are:

- `Preparing` - the LUN move job is in Preparing status.
- `Allocation-Map` - the LUN move job is in Allocating status.
- `Data` - the LUN move job is in Moving Data status.
- `Destroying` - the LUN move job is in Destroying status.
- `Paused-Admin` - the LUN move job is in Paused By Admin status.
- `Paused-Error` - the LUN move job is in Paused By Error status.
- `Complete` - the LUN move job is in Complete status.
- `Destroyed` - the LUN move job is in Destroyed status.

[-progress-percent <percent>] - LUN Move Progress (%)

Selects LUN move operations that match this parameter value.

[-elapsed-time <time_interval>] - Elapsed Time

Selects LUN move operations that match this parameter value.

[-cutover-time <time_interval>] - Cutover Time

Selects LUN move operations that match this parameter value.

[-is-snapshot-fenced {true|false}] - Is Snapshot Fenced

Selects LUN move operations that match this parameter value.

[-is-destination-ready {true|false}] - Is Destination Ready

Selects LUN move operations that match this parameter value.

[-last-failure-reason <text>] - Last Failure Reason

Selects LUN move operations that match this parameter value.

Examples

```
cluster1::> lun move show
Vserver   Destination Path                Status          Progress
--------- ------------------------------- --------------- --------
vs1       /vol/vol2/lun1                  Data            35%
vs1       /vol/vol2/lun2                  Complete        100%
2 entries were displayed.
```

The example above displays information about all the LUN move operations in the cluster.

```
cluster1::> lun move show -vserver vs1 -destination-path /vol/vol2/lun1
-instance
Destination Vserver Name: vs1
               Destination Path: /vol/vol2/lun1
                    Source Path: /vol/vol1/lun1
  Is Destination Promoted Early: false
Maximum Transfer Rate (per sec): 0B
                LUN Move Status: Data
          LUN Move Progress (%): 35%
                   Elapsed Time: 145s
            Cutover Time (secs): 0s
             Is Snapshot Fenced: true
           Is Destination Ready: true
            Last Failure Reason: -
```

The example above displays all information about the LUN being moved to */vol/vol2/lun1* in Vserver *vs1* .

lun move start

Start moving a LUN from one volume to another within a Vserver

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

Description

The `lun move start` command initiates moving of a LUN from one volume to another. The destination volume can be located on the same node as the original volume or on a different node.

Use lun move-in-volume command if you want to rename the LUN or move it within the same volume.

This command does not support movement of LUNs that are created from files.

This command is not supported for a Vserver with Infinite Volume.

Parameters

`-vserver <Vserver Name>` - Vserver Name

Specifies the name of the Vserver that will host the new LUN.

| `-destination-path <path>` - Destination Path

Specifies the full path to the new LUN, in the format /vol/<volume>[/<qtree>]/<lun>.

`-source-path <path>` - Source Path }

Specifies the full path to the source LUN, in the format /vol/<volume>[/<qtree>]/<lun>.

`[-promote-late <true>]` - Promote Late

Optionally specifies that the destination LUN needs to be promoted late.

If the destination is promoted early, the new LUN will be visible immediately. However, Snapshot copies of the volume containing the new LUN cannot be taken until the LUN move operation reaches 'Moving Data' status.

If the destination is promoted late, the new LUN will be visible only after it has been fully framed. However, the LUN move job will not block the creation of Snapshot copies of the volume containing the new LUN.

If this parameter is not specified, the destination LUN will be promoted early.

`[-max-throughput {<integer>[KB|MB|GB|TB|PB]}]` - Maximum Transfer Rate (per sec)

Optionally specifies the maximum amount of data, in bytes, that can be transferred per second in support of this operation. This mechanism can be used to throttle a transfer, to reduce its impact on the performance of the source and destination nodes.

If this parameter is not specified, throttling is not applied to the data transfer.

The specified value will be rounded up to the nearest megabyte.

Examples

```
cluster1::> lun move start -vserver vs1 -destination-path /vol/vol2/lun2
-source-path /vol/vol1/lun1
```

Starts moving LUN *lun1* from volume *vol1* in Vserver *vs1* to *lun2* on volume *vol2* in Vserver *vs1* .

Related Links

- lun move-in-volume

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