



Preparing for cutover phase when transitioning Linux host file systems on LVM devices

ONTAP 7-Mode Transition

Ivana Devine
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If you are transitioning a Linux host file system on a Logical Volume Manager (LVM) device, there are steps you must perform before the cutover phase.

- For FC configurations, you must have fabric connectivity and zoning to clustered Data ONTAP controllers.
- For iSCSI configurations, your iSCSI sessions must be discovered and logged in to your clustered Data ONTAP controllers.
- You must have the following pretransition information gathered from the *Inventory Assessment Workbook*:
 - The DMMP device names used by the LVM
 - The volume group name
 - The logical volume name
 - The file system configured on the logical volume device
 - The directory on which the logical volumes are mounted
- For copy-based transitions, perform these steps before initiating the Storage Cutover operation in the 7-Mode Transition Tool (7MTT).
- For copy-free transitions, perform these steps before initiating the Export & Halt 7-Mode operation in the 7MTT.

Steps

1. Stop I/O to LV mount points.
2. Shut down the applications accessing the LUNs according to application vendor's recommendations.
3. Unmount the LV mount point:

```
umount dir_name
```

4. Disable the logical volume:

```
vgchange -an vg_name
```

5. Verify the logical volume status:

```
lvdisplay dir_name
```

The LV status should display "NOT available".

6. Export the volume group:

```
vgexport vg_name
```

7. Verify the VG status:

```
vgdisplay vg_name
```

The VG status should display "exported".

8. Flush the 7-Mode DDMP device IDs:

```
multipath -f device_name
```

Related information

[Gathering pretransition information from the Inventory Assessment Workbook](#)

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