



Preparing RHEL LUNs with mount points using DMMP alias names for transition using the CLI

ONTAP 7-Mode Transition

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Before transition of a mount point using a DMMP device name, you must replace the DMMP device name with its respective file system UUID number.

This procedure applies to copy-based transitions and copy-free transitions.

Steps

1. Identify and record the SCSI device ID for the LUN to be transitioned:

```
sanlun lun show
```

The SCSI device ID is listed under the filename column in the output.

2. Identify and record the DMMP device name for the LUN to be transitioned:

```
multipath -ll SCSI_device_ID
```

In the following example, 360a9800037534562572b453855496b41 is the DMMP device name:

```
[root@IBMx3550M3-229-169 ~]# multipath -ll /dev/sdc
dmmp_fs_lun (360a9800037534562572b453855496b41) dm-3 NETAPP, LUN
[size=1.0G] [features=3 queue_if_no_path pg_init_retries 50]
[hwhandler=0][rw]
\_ round-robin 0 [prio=2][active]
  \_ 9:0:0:1 sdc 8:32 [active][ready]
  \_ 9:0:0:1 sdg 8:96 [active][ready]
```

3. Identify the file system configured on the DMMP device:

```
blkid | grep -i DMMP_device_name
```

The TYPE value in the output identifies the file system.

In the following example, the file system is ext3.

```
[root@ibmx3550-229-108 ~]#blkid | grep -i
3600a09804d532d79565d47617679658
/dev/mapper/3600a09804d532d79565d47617679658:
UUID="450b999a-4f51-4828-8139-29b20d2f8708" TYPE="ext3" SEC_TYPE="ext2"
```

4. Identify the UUID number for the LUN:

```
dumpe2fs device_path_name | grep UUID
```

5. Identify the directory on which the DMMP device is mounted:

df -h

In the following example, `/mnt/dmmp_ext3` represents the directory on which the DMMP device is mounted:

```
[root@IBMX3550M3-229-169 ~]# df -h
Filesystem Size Used Avail Use% Mounted on
/dev/mapper/dmmp_fs_lun
1008M 34M 924M 4% /mnt/dmnp_ext3
```

6. Verify in the `/etc/fstab` file that the mount points for the DMMP device are defined:

cat /etc/fstab

The DMMP device name and mount directory should be displayed in the output.

7. Create a backup of the `/etc/fstab` file:

cp /etc/fstab /etc/fstab_pre_transition_bkup

8. Edit the `/etc/fstab` file to replace the DMMP device name with its respective file system UUID number.

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