



Replacing 7-Mode LUN WWIDs on Linux hosts after transition of LUNs

ONTAP 7-Mode Transition

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After LUN transition, the 7-Mode LUN WWID changes. You must replace it with the corresponding ONTAP LUN WWID before you can begin servicing data.

If you are doing a copy-free transition (CFT), then procedures for vol rehost must be complete.

See the [7-Mode Transition Tool Copy-Free Transition Guide](#) for details.

- For copy-based transitions (CBTs), perform these steps after completing the Storage cutover operation in the 7MTT.
- For CFTs, perform these steps after the Import Data & Configuration operation in the 7MTT is complete.

Steps

1. Generate the 7-Mode to ONTAP LUN mapping file:

- For CBTs, run the following command from the Linux host where the 7MTT is installed:

```
transition cbt export lunmap -p project-name -o file_path
```

For example:

```
transition cbt export lunmap -p SanWorkLoad -o c:/Libraires/Documents/7-to-C-LUN-MAPPING.csv
```

- For CFTs, run the following command from the system where the 7MTT is installed:

```
transition cft export lunmap -p project-name -s svm-name -o output-file
```

For example:

```
transition cft export lunmap -p SanWorkLoad -s svml -o c:/Libraries/Documents/7-to-C-LUN-MAPPING-svml.csv
```



You must run this command for each of your storage virtual machines (SVMs).

2. Make a note of the new ONTAP LUN device handle ID from the LUN mapping file.

3. Remove the SCSI devices created for 7-Mode LUNs:

- To remove all of the SCSI devices:

```
rescan-scsi-bus.sh -r
```

- To remove each SCSI device individually:

```
echo 1> /sys/block/SCSI_ID/delete
```

This command must be executed on all 7-Mode LUN SCSI devices. See the SCSI Device ID column on the SAN Host LUNs tab of the *Inventory Assessment Workbook* to identify the SCSI device IDs for the LUNs.

4. Discover new ONTAP LUNs:

```
rescan-scsi-bus.sh
```

5. Identify the SCSI devices of the new ONTAP LUNs:

```
sanlun lun show
```

6. Get the WWIDs for the new ONTAP LUNs:

```
/lib/udev/scsi_id -g -u -d /dev SCSI_dev
```

7. If a DMMP alias is defined, then update the /etc/multipath.conf file to replace the 7-Mode LUN WWID with its corresponding ONTAP LUN WWID, so that the DMMP alias points to the clustered Data ONTAP LUN:

```
cat /etc/multipath.conf
```

8. Configure the DMMP devices:

```
multipath
```

9. Verify that the DMMP alias is correctly referencing the ONTAP LUN WWID:

```
multipath -ll
```

In the following sample output, the DMMP alias `dmmp_raw_lun` is referencing `3600a098051764b2d4f3f453135452d31` as the ONTAP WWID:

```
root@IBMX3550M3-229-169 ~]# multipath -ll dmmp_raw_lun
dmmp_raw_lun (3600a098051764b2d4f3f453135452d31) dm-8 NETAPP, LUN C-Mode
[size=1.0G] [features=3 queue_if_no_path pg_init_retries 50]
[hwhandler=1 alua] [rw]
\_round-robin 0 [prio=50][enabled]
  \_5:0:0:6 sdx 65:112 [active][ready]
    \_8:0:0:6 sdab 65:176 [active][ready]
\_round-robin 0 [prio=10][enabled]
  \_6:0:0:6 sdy 65:128 [active][ready]
    \_7:0:0:6 sdaa 65:160 [active][ready]
```

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