



Cleaning up the mapped RDM LUNs in the guest operating system and ESX server

Snapdrive for Unix

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Cleaning up the mapped RDM LUNs in the guest operating system and ESX server

You must clean up the RDM LUNs in the guest operating system as well as in ESX server.

Cleaning up the mapped RDM LUNs in the guest operating system

The following steps must be done in the guest operating system.

Steps

1. From the **vCenter** navigation pane, select the Virtual Machine in which the RDM mapping is done.
2. Right-click the virtual machine and turn off your guest operating system.
3. Right-click the virtual machine and select **Edit settings**.

The **virtual machine properties** dialog box appears.

4. In the **virtual machine properties** dialog box, select the **Hardware** tab.

You will find the entire RDM mapped entry as *Mapped RAW LUN* for every RDM entry.

5. Select the RDM mapped entry and click **Remove**.

The **Removal Options** appears in the right pane.

6. In the **Removal Options**, select **Remove from virtual machine and delete files from disk**.
7. Click **OK**.

All the RDM mapped entries are removed from the guest operating system.

After you remove RDM LUN entries from the guest operating system, you need to remove them from the ESX server.

Cleaning up the mapped RDM LUNs in the ESX server

The following steps must be done only by the ESX server administrator for a complete cleaning up of all RDM LUN entries in the ESX server.

Turn off your virtual machine before working on the virtual machine directory.

Steps

1. Go to the virtual machine directory.
2. Change to the directory `cd /vmfs/volumes/Data store path`.

```
# ls -l
total 1024
drwxr-xr-t 1 root root 1540 Apr 19 23:54 4bc702de-fa7ec190-992b-
001a6496f353
lrwxr-xr-x 1 root root 35 May 11 07:56 local_storage (1) -> 4bc702de-
fa7ec190-992b-001a6496f353
```

All the files and directories are listed here.

3. Select the appropriate data store in which the virtual machines resides.
4. Change the directory to data store.

The virtual machine directory is displayed here.

5. Change the directory to virtual machine in which you want to clean up RDM LUN mapping.

All the files are listed in the virtual machine directory.

6. Delete all `vmdk` files, which have SMVI string embedded. Alternatively, you can also identify the `vmdk` file using LUN name.

Alternatively, you can also identify the `vmdk` file using LUN name.

If you have a `vmdk` file of the LUN name as `rdm1`, delete only `rhel14u8-141-232_SMVI_vol_esx3u5_rdm1-rdmp.vmdk` and `rhel14u8-141-232_SMVI_vol_esx3u5_rdm1.vmdk` files.

Delete `vm1nx5U4-197-23_SMVI_10.72.197.93_C4koV4XzK2HT_22-rdmp.vmdk` and `vm1nx5U4-197-23_SMVI_10.72.197.93_C4koV4XzK2HT_22.vmdk` `vm1nx5U4-197-23_SMVI_10.72.197.93_C4koV4YG4NuD_53-rdmp.vmdk` files.

7. Remove the `vmdk` file entries from the virtual machine configuration file (`vmx`) as well.

The following is an example of removing `vmdk` file entries from the `vmx` file.

Name	Description
<code>rhel14u8-141-232</code>	Name of the virtual machine
<code>SMVI</code>	Indicates that this <code>vmdk</code> file is created by SnapManager for Virtual Infrastructure server
<code>vol_esx3u5</code>	Name of the volume where the LUN is created
<code>rdm1</code>	Name of the LUN
<code>rdmp</code>	Signifies that this is physically compatible RDM LUN

Name	Description
<i>vmdk</i>	Virtual Machine Disk File

```
[root@ rhel4u8-141-232]# vi rhel4u8-141-232.vmx
:
:
scsi3:1.fileName = "rhel4u8-141-232_SMVI__vol_esx3u5_rdm1.vmdk"
scsi3:1.mode = "independent-persistent"
scsi3:1.ctlEnabled = "FALSE"
scsi3:1.deviceType = "scsi-hardDisk"
scsi3:1.present = "TRUE"
scsi3:1.redo = ""
```

8. Delete the entries as specified in the preceding example, including quotes and commas except for the *scsi3:1.present* entry, which you should change to *FALSE* from *TRUE*.
9. Save and quit the file.
10. Turn on the virtual machine.

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