



# Limitations of RDM LUNs managed by SnapDrive

## Snapdrive for Unix

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# Limitations of RDM LUNs managed by SnapDrive

SnapDrive has a few limitations for provisioning RDM LUNs. You must be aware of the limitations that might affect your environment.

- An RDM LUN cannot serve either as a boot disk or system disk.
- SnapDrive does not support RDM LUNs in Internet Small Computer System Interface (iSCSI) environments.
- SnapDrive does not support MPIO in the guest operating system, although VMware ESX server supports MPIO.
- When the transport protocol is *FC*, the igroup that is specified in the CLI command is ignored by SnapDrive, and the igroup is automatically created by the virtual interface.
- You can rename, move, or delete the `/usr/bin/rescan-scsi-bus.sh` script that is bundled as part of `sg3_utils` to avoid limiting the number of RDM LUNs to eight.



If you want to retain `/usr/bin/rescan-scsi-bus.sh` in `sg3_utils` and avoid limiting the number of RDM LUNs to eight, then you must create a wrapper script `/root/dynamic-lun-rescan.sh` and from that script run `/usr/bin/rescan-scsi-bus.sh`, with the options `-w`, `-c`, and `-r` and assign full permissions.

The following is an example of the modified content of `/root/dynamic-lun-rescan.sh`:

```
#cat /root/dynamic-lun-rescan.sh
#Wrapper script used to call the actual rescan script.
/usr/bin/rescan-scsi-bus.sh -w -c -r
```

## Limitations related to VMware ESX server

- Each guest operating system can be configured with four SCSI controllers, and each SCSI controller can be mapped to 16 devices.

However, one device is reserved per controller, and therefore a total of 60 ( $16 * 4 - 4$ ) RDM LUNs can be mapped to the guest operating system.

- Each ESX server can be mapped to a maximum of 256 RDM LUNs.

## Related information

[VMware VMotion support in SnapDrive for UNIX](#)

[Configuring Virtual Storage Console for SnapDrive for UNIX](#)

[Considerations for provisioning RDM LUNs](#)

[www.vmware.com/pdf/vsphere4/r40/vsp\\_40\\_config\\_max.pdf](http://www.vmware.com/pdf/vsphere4/r40/vsp_40_config_max.pdf)

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