



Provision SAN storage for Linux servers

ONTAP 9

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Create LUNs to provide storage for a Linux server using the FC or iSCSI SAN protocol. LUNs appear to Linux as SCSI disk devices.

This procedure creates new LUNs on an existing storage VM. Your FC or iSCSI protocol should already be set up. You need to know the initiator identifiers (FC WWPN or iSCSI iqn) for your Linux server.



Beginning in ONTAP 9.8, when you provision storage, QoS is enabled by default. You can disable QoS or choose a custom QoS policy during the provisioning process or at a later time.

Steps

1. On your Linux server, install the [NetApp Linux Host Utilities](#) package.
2. In ONTAP System Manager, click **Storage > LUNs** and then click Add.
 - a. If you need to add an initiator group, click **More Options**.

Beginning in ONTAP 9.9.1, under **HOST INFORMATION**, you have the additional option to create a **New initiator group using existing initiator groups**. This option allows you to create an igroup that consist of other existing igroups.



The OS type for an igroup containing other igroups cannot be changed after it has been created.

Beginning in ONTAP 9.9.1, you also have the option to add a description to your igroup or host initiator. The description serves as an alias for the igroup or host initiator.

- b. If you are running ONTAP 9.8 or later and you want to disable QoS or choose a custom QoS policy, click **More Options** and then, under **Storage and Optimization** select **Performance Service Level**.
3. For FC, zone your FC switches by WWPN. Use one zone per initiator and include all target ports in each zone.
 4. On your Linux server, discover the new LUNs:

```
/usr/bin/rescan-scsi-bus.sh
```

5. Optionally partition the LUNs and create file systems.
6. Verify the Linux server can write and read data on the LUN.

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