



Provision NAS storage for Linux servers using NFS

ONTAP System Manager

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November 04, 2020

This PDF was generated from https://docs.netapp.com/us-en/ontap/task_nas_provision_linux_nfs.html on
November 20, 2020. Always check docs.netapp.com for the latest.

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Create volumes to provide storage for Linux servers using the NFS protocol.

This procedure creates new volumes on an [existing NFS-enabled storage VM](#).



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. In ONTAP System Manager, click **Storage** > **Volumes** and then click **Add**.

The default export policy grants full access to all users. You can add more restrictive rules to the export policy later.

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 select **Performance Service Level**.

2. On a Linux client, do the following to verify access.
 - a. Create and mount the volume using the network interface of the storage VM.
 - b. On the newly mounted volume, create a test file, write text to it, and then delete the file.

After verifying access, you can [restrict client access with the volume's export policy](#) and set any desired UNIX ownership and permissions on the mounted volume.

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