



Provision NAS storage for both Windows and Linux using both NFS and SMB/CIFS

ONTAP System Manager

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Create volumes to provide storage for clients using either the NFS or SMB/CIFS protocol.

This procedure creates new volumes on an [existing storage VM enabled for both NFS and SMB protocols](#).



Steps

1. Create a new volume: click **Storage** > **Volumes** and then click **Add**.
 - a. Create an export policy: click **More Options** and check **Share via NFS**.
The default setting grants full access to all users. You can add more restrictive rules to the export policy later.
 - b. Create a share: check **Share via SMB/CIFS**.
The share is created with a default Access Control List (ACL) set to "Full Control" for the Everyone group. You can add restrictions to the ACL later.
2. Switch to a Linux client to verify that the export is accessible.
 - 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.
3. Switch to a Windows client to verify that the share is accessible.
 - a. In Windows Explorer, map a drive to the share in the following format:
`_SMB_Server_Name__Share_Name_`
 - b. On the newly created drive, create a test file, write text to it, and then delete the file.

After verifying access, you might want to [restrict client access with the volume's export policy](#), [restrict client access with the share ACL](#), and set any desired ownership and permissions on the exported and shared volume.

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