



vSphere NFS Datastore - Version 4.1 with ONTAP

NetApp Solutions

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July 14, 2021

This PDF was generated from https://docs.netapp.com/us-en/netapp-solutions/hybrid-cloud/vsphere_ontap_auto_file_nfs41.html on August 18, 2021. Always check docs.netapp.com for the latest.

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About this task

This section describes the creation of an NFS version 4.1 datastore with ONTAP NAS storage.

For automated provisioning, use one of these scripts: [\[PowerShell\]](#), [\[Ansible\]](#), or [\[Terraform\]](#).

What you need

- The basic skills necessary to manage a vSphere environment and ONTAP
- ONTAP Storage System (FAS/AFF/CVO/ONTAP Select/Cloud Volume Service/Azure NetApp Files) running ONTAP 9.8 or later
- ONTAP credentials (SVM name, userID, password)
- ONTAP network port, SVM, and LUN information for NFS
- [A completed NFS configuration worksheet](#)
- vCenter Server credentials
- vSphere host(s) information vSphere 7.0 or later
- NFS VMKernel adapter IP information
- Network switch(es)
 - with ONTAP system network data ports, vSphere hosts, and connected
 - VLAN(s) configured for NFS
 - (Optional) link aggregation configured for ONTAP network data ports
- ONTAP Tools for VMware vSphere deployed, configured, and ready to consume

Steps

- Check compatibility with the [Interoperability Matrix Tool \(IMT\)](#).
 - [Verify that the NFS configuration is supported.](#)
- Complete the ONTAP and vSphere Tasks provided below.

ONTAP tasks

1. [Verify ONTAP license for NFS](#)
 - a. Use the `system license show` command to check whether NFS is listed.
 - b. Use `license add -license-code <license code>` to add a license.
2. [Follow the NFS configuration workflow](#)

VMware vSphere tasks

[Follow the NFS Client Configuration for vSphere workflow.](#)

What's next?

After these tasks are completed, the NFS datastore is ready to consume for provisioning virtual machines.

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