



vSphere NFS datastore - Version 3 with ONTAP

NetApp Solutions

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About this task

Creation of NFS version 3 datastore with ONTAP NAS storage.

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

What you need

- The basic skill necessary to manage a vSphere environment and ONTAP.
- An 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 for vSphere 7.0 or later
- NFS VMKernel adapter IP information
- Network switch(es)
 - with ONTAP system network data ports and connected vSphere hosts
 - VLAN(s) configured for NFS
 - (Optional) link aggregation configured for ONTAP network data ports
- ONTAP Tool 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 following ONTAP and vSphere tasks.

ONTAP tasks

1. [Verify the ONTAP license for NFS.](#)
 - a. Use the `system license show` command and check that 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 workflow for NFS client configuration for vSphere.](#)

Reference

Unresolved directive in virtualization/vsphere_ontap_auto_file_nfs.adoc - include::hybrid-cloud/vsphere_ontap_best_practices.adoc[lines=315..390]

What's next?

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

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