



Provision NAS storage

ONTAP 9

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Provision NAS storage

The topics in this section show you how to configure and manage NAS environments with ONTAP System Manager in ONTAP 9.7 and later releases.

If you are using the ONTAP CLI to configure and manage NAS environments, see this content:

- [NFS Configuration Power Guide](#)
- [NFS Reference](#)
- [SMB/CIFS and NFS Auditing and Security Tracing Guide](#)
- [SMB/CIFS Configuration Power Guide](#)
- [SMB/CIFS Configuration Guide for Microsoft Hyper-V and SQL Server](#)
- [SMB/CIFS Reference](#)

If you are using legacy OnCommand System Manager for ONTAP 9.7 and earlier releases to configure and manage NAS protocols, see this content:

- [NFS Configuration Express Guide](#)
- [NFS Configuration for ESXi using VSC Express Guide](#)
- [SMB/CIFS and NFS Multiprotocol Configuration Express Guide](#)
- [SMB/CIFS Configuration Express Guide](#)

NAS overview for ONTAP System Manager

ONTAP enables you to serve data to Linux and Windows clients simply, securely, and efficiently.

ONTAP System Manager supports workflows for:

- Initial configuration of clusters that you intend to use for NAS file services.
- Additional volume provisioning for changing storage needs.
- Configuration and maintenance for industry-standard authentication and security facilities.

Using ONTAP System Manager, you can manage NAS services at the component level:

- Protocols – NFS, SMB/CIFS, or both (NAS multiprotocol)
- Name services – DNS, LDAP, and NIS
- Name service switch
- Kerberos security
- Exports and shares
- Qtrees
- Name mapping of users and groups

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