Prepare for deployment

NetApp SMI-S Provider

NetApp
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Prepare for deployment

Overview

Before you deploy NetApp SMI-S Provider, you must verify that you have a supported operating system and platform, that you have the required licenses, and that your hosts meet the minimum requirements.

Supported operating system versions

We recommend you install SMI-S Provider on its own dedicated Windows virtual machine (VM). This VM can be on the same domain to allow for secure and convenient management.

Before installing SMI-S Provider, you must verify that the Windows host is running a supported operating system.

Operating system	Supported versions	Required client software
Windows	• Microsoft Windows Server 2025 • Microsoft Windows Server 2022 • Microsoft Windows Server 2019 • Microsoft Windows Server 2016	The Microsoft Visual C++ 2010 runtime libraries are automatically installed during the SMI-S Provider installation. To avoid potential issues related to runtime libraries, you must install Microsoft Visual C++ 2010 Redistributable Package (x86) from the following location: http://www.microsoft.com

Ensure the provider host machine meets the specifications

To run SMI-S Provider, the provider host machine must meet the following specifications:

- The provider cannot be installed directly on a Hyper-V node. Instead you can install it on a Hyper-V VM.
- The System Center Virtual Machine Manager (SCVMM) must not be running on the provider host machine.
- The provider host machine must not run other programs that are memory-intensive.
- The provider host machine must not run SMI-S Providers from any other vendor.

Hardware requirements

You must verify that the Windows host meets the minimum hardware requirements before installing NetApp SMI-S Provider.

Hardware	Requirements
Memory	• 4 GB RAM (minimum) • 8 GB RAM (recommended)

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Disk space	• 1 GB (minimum) • 4 GB (recommended) Enabling logging and tracing requires additional disk space of up to 1 GB, depending on the log and trace file rotation settings. You must have 100 MB temporary disk space available for installation.
CPU	• Dual-core 2.0 GHz (minimum) • Quad-core 2.0 GHz (recommended)

Required licenses

To use NetApp SMI-S Provider, you must have the required licenses.

The following licenses are required for NetApp SMI-S Provider:

- FCP, iSCSI, or both FCP and iSCSI licenses are required for creating LUNs on the storage systems.
- A CIFS license is required for creating file shares on supported ONTAP storage systems.
- A FlexClone license is required to create LUN clones on clustered storage systems running supported ONTAP versions.

NetApp SMI-S Provider support for ONTAP systems

NetApp SMI-S Provider supports cluster platforms that run ONTAP 9 and later.

For NetApp SMI-S Provider to create clones of storage volumes (LUNs), you must have installed a FlexClone license on the storage system.

NetApp SMI-S Provider supports FAS systems.

NetApp SMI-S Provider does not support ASA systems.

Download the NetApp SMI-S Provider software package

Before installing NetApp SMI-S Provider, you must download the software package from the NetApp Support Site.

Before you begin

You must have created a NetApp Support Site account from NetApp Support.

Steps

1. Go to the **Downloads** > **Software** page at the NetApp Support Site.
2. Locate SMI-S Provider (formerly Data ONTAP SMI-S Agent) and select Windows operating system, and then click **Go!**.

3. Select the version to download by clicking **View & Download**.
4. From the **Software download** section, click **CONTINUE**.
5. Read and accept the End User License Agreement.
6. Select the software package file, and then save it to your desired location.

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