



# Prepare for deployment

## NetApp SMI-S Provider

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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

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          | <ul style="list-style-type: none"><li>• Microsoft Windows Server 2016</li><li>• Microsoft Windows Server 2019</li></ul> | 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: <a href="http://www.microsoft.com">http://www.microsoft.com</a> |

## SCVMM 2016 UR 2.1 requirement

System Center Virtual Machine Manager (SCVMM) 2016 Update Rollup (UR) 2.1 is required to manage NetApp File Server with NetApp SMI-S Provider 5.2.4 and later.

Without this UR, SCVMM 2016 displays the value of the `Total Capacity` and `Available Capacity` options as **0 GB** for the existing file shares in NetApp File Server.

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

- The provider host machine cannot be used to host a Hyper-V node.
- 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.

The following hypervisors are supported:

- Microsoft Windows Server 2016 Hyper-V
- VMware ESX 5.0
- VMware ESX 5.1
- VMware ESX 5.5
- VMware ESX 6.0

## Hardware requirements

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

| Hardware   | Requirements  |
|------------|---|
| Memory     | <ul style="list-style-type: none"><li>• 4 GB RAM (minimum)</li><li>• 8 GB RAM (recommended)</li></ul>   |
| Disk space | <ul style="list-style-type: none"><li>• 1 GB (minimum)</li><li>• 4 GB (recommended)</li></ul> <p>Enabling logging and tracing requires additional disk space of up to 1 GB, depending on the log and trace file rotation settings.</p> <p>You must have 100 MB temporary disk space available for installation.</p> |
| CPU        | <ul style="list-style-type: none"><li>• Dual-core 2.0 GHz (minimum)</li><li>• Quad-core 2.0 GHz (recommended)</li></ul>   |

## 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.

## Supported cluster platforms

NetApp SMI-S Provider supports cluster platforms that run Data ONTAP 8.3.2 and 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 the following platforms:

- FAS series systems
- V-Series storage 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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