



# **Install SnapManager for Hyper-V**

## SnapManager for Hyper-V

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# Install SnapManager for Hyper-V

Before you install SnapManager for Hyper-V, it is a good practice to decide how you want to configure your environment, which includes the installation of SnapDrive for Windows on all Hyper-V hosts prior to the installation of SnapManager for Hyper-V.

## Download SnapManager for Hyper-V

Before installing SnapManager for Hyper-V, you must download the software package from the [NetApp Support Site](#).

### What you'll need

You must have login credentials for the NetApp Support Site.

### Steps

1. Log in to the NetApp Support Site.
2. Go to the Download Software page.
3. From the drop-down list, select the operating system on which you are installing SnapManager for Hyper-V and click **Go!**
4. Click **View & Download** for the software version you want to install.
5. On the Description page, click **Continue**.
6. Review and accept the license agreement.
7. On the Download page, click the link for the installation file.
8. Save the SnapManager for Hyper-V file to a local or network directory.
9. Click **Save File**.
10. Verify the checksum to ensure that the software downloaded correctly.

## Installation order for SnapDrive for Windows and SnapManager for Hyper-V

You must install SnapDrive for Windows on all hosts before installing SnapManager for Hyper-V. If the hosts are members of a cluster, all nodes in the cluster require the installation of SnapDrive for Windows.

When SnapManager for Hyper-V starts, it communicates with SnapDrive for Windows to get the list of all virtual machines running on a host. If SnapDrive for Windows is not installed on the host, this API fails and the SnapManager for Hyper-V internal cache does not update with the virtual machine information.

You might receive the following message: `Error :SnapManager for Hyper-V is not licensed on the host or in the Storage System, backup is aborted:.`

## Install SnapManager for Hyper-V

You can install SnapManager for Hyper-V so that you are able to back up and restore

your data. You should install SnapDrive for Windows before installing SnapManager for Hyper-V.

### What you'll need

Your existing data must be backed up, and you must have the following information ready:

- License key
- Login credentials
- Port number (default: 808; must match the SnapDrive for Windows installation port number)

### Steps

1. Double-click the SnapManager for Hyper-V executable file to launch the SnapManager for Hyper-V installer.
2. Select the installation location and click **Next**.
3. Complete the steps in the SnapManager for Hyper-V **Install Shield** wizard.
4. Click **Install** on the **Ready to Install** page.
5. Review the summary of your selections and click **Finish**.

### Related information

[Hotfix requirements for Windows Server environments](#)

## Remotely install or uninstall SnapManager for Hyper-V on nodes or hosts

The Remote Host Install wizard enables you to remotely install or uninstall SnapManager for Hyper-V on standalone and cluster hosts or nodes. You can remotely install SnapManager for Hyper-V if you want to install the software on all nodes of a cluster at one time instead of installing it on each individual node.

### What you'll need

You must already have SnapManager for Hyper-V installed on a host node to use the Remote Host Install wizard.

### Steps

1. From the navigation pane, click **Protection**.
2. From the Actions pane, click **Remote Host Install**.
3. Run the **Remote Host Install** wizard.

### Result

When you run the Remote Host Install wizard, the host node pushes SnapManager for Hyper-V installation or uninstallation to other nodes or hosts in the cluster.

# List and description of command line switches for silent installation

You can use command line switches to perform a silent installation, which enables you to use an installation script to install SnapManager for Hyper-V.

The following table provides a list of values and describes each of the available command-line installation switches.

Switch	Value	Description
SILENT_MODE=	1	Enables SnapManager for Hyper-V to properly execute the unattended install feature. This switch is required for first-time installations, upgrades, and complete uninstallations.
REINSTALLMODE=		Specifies the reinstall mode to be used.
REINSTALLMODE=	v	Indicates that the installation is run from the source package and that the local package is cached. Do not use this option for first-time installations of SnapManager for Hyper-V. Reinstalls all files regardless of version, date, or checksum value.
REINSTALLMODE=	a	Reinstalls SnapManager for Hyper-V files if older versions are present or if files are missing.
REINSTALLMODE=	o	Indicates that all SnapManager for Hyper-V required registry entries from HKEY_LOCAL_MACHINE and HKEY_CLASSES_ROOT should be rewritten.
REINSTALLMODE=	m	Indicates that all SnapManager for Hyper-V required registry entries from HKEY_CURRENT_USER and HKEY_USERS should be rewritten.
REINSTALLMODE=	u	Reinstalls all shortcuts and recaches all icons, overwriting any existing shortcuts and icons.

Switch	Value	Description
REINSTALL=	ALL	Reinstalls all SnapManager for Hyper-V features.
/Li	filename	Specifies that a SnapDrive installation log should be generated.
SMHV_LICENSE=	license	Specifies the appropriate and valid SnapManager for Hyper-V license.
INSTALLDIR=	target installation directory	Specifies the target installation directory to which SnapManager for Hyper-V is installed. This switch is required only when installing SnapManager for Hyper-V for the first time.
SVCUSERNAME=	DOMAIN\username	Specifies the domain and user name that SnapManager for Hyper-V uses during the unattended installation.
SMHVSrv_PASSWORD=	password	Specifies the password for the SMHVSrv_PASSWORD user.
SMHVSrv_CONFIRMUSERPASSWORD=	password	Confirms the password for the SMHVSrv_CONFIRMUSERPASSWORD user.
SMHV_WEBSrv_TCP_PORT	port number	Specifies which port the SnapManager for Hyper-V web service uses for Net.Tcp. The default port is 808.

The following syntax shows a fresh installation:

```
setup.exe /s /v"/qn SILENT_MODE=1 /L*v SMHVInstall.log SVCUSERNAME=Domain\User Name SMHVSrv_PASSWORD=password SMHVSrv_CONFIRMUSERPASSWORD=password"
```

The following syntax shows an upgrade:

```
setup.exe /s /v"/qn REINSTALLMODE=vamus REINSTALL=ALL SILENT_MODE=1 /L*v SMHVUpgrade.log SVCUSERNAME=Domain\User Name SMHVSrv_PASSWORD=password SMHVSrv_CONFIRMUSERPASSWORD=password"
```

The following syntax shows an uninstallation:

```
Setup.exe /s /x /v"/qn SILENT_MODE=1 /L*v SMHVuninstall.log"
```

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