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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