



Configure SnapInfo directory settings

SnapManager for Hyper-V

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Table of Contents

- Configure SnapInfo directory settings 1
- Set up a SnapInfo LUN 1
- Change the SnapInfo directory path 2

Configure SnapInfo directory settings

You must configure the SnapInfo settings for a host before you can add the virtual machine resources within that host to a dataset. If the SnapInfo settings are not configured when a Hyper-V host is added to SnapManager for Hyper-V, you can configure those settings later, using the Configuration wizard or the **SnapInfo settings** action.

You can also change the SnapInfo settings after the host has been added to SnapManager for Hyper-V. However, if you change the SnapInfo settings, you must manually move all files to the new location; SnapManager for Hyper-V does not update them automatically. If you do not move the files, you cannot restore from or manage the backup copy, and SnapManager for Hyper-V does not list the backup copy.

Starting with SnapManager for Hyper-V, the SnapInfo path can reside on Cluster Shared Volumes (CSV) and it can also reside on SMB shares for Windows Server 2012.

Related information

[Microsoft TechNet: Use Cluster Shared Volumes in a Failover Cluster](#)

Set up a SnapInfo LUN

You must add a SnapInfo LUN in SnapManager for Hyper-V to store the dataset backup metadata. The SnapInfo path must reside on a ONTAP LUN, because SnapManager for Hyper-V makes a backup of the SnapInfo copy after a regular backup occurs.

What you'll need

The SnapInfo path can reside on a Cluster Shared Volume (CSV) if you are running a Windows Server 2012 cluster. If you manage dedicated virtual machines, the SnapInfo location must be to a dedicated ONTAP LUN. If you manage shared virtual machines, the SnapInfo location must be to a shared ONTAP LUN.

Steps

1. Create a new shared disk by using SnapDrive for Windows.
 - a. When given the option to choose a Microsoft Cluster Services Group, select the option **Create a new cluster group**.
 - b. Name the group `smhv_snapinfo` and complete the process.
2. Open Windows Failover Clustering (WFC) and verify that the new group is online.
3. Install SnapManager for Hyper-V on each node in the cluster.
4. Run the **Configuration** wizard and apply the SnapInfo configuration settings to all nodes in the cluster.
 - a. Select one of the hosts.
 - b. From the **Navigation** pane, click **Protection > Hosts**.
 - c. From the Actions pane, run the **Configuration** wizard.
 - d. Apply the SnapInfo settings to the newly created LUN.

Results

When the Configuration wizard is run, the SnapInfo configuration settings are replicated to all nodes in the

cluster. **Related information**

[Error: Snapdrive SDDiscoveryFileSystemListInfo response is null](#)

Change the SnapInfo directory path

You can control SnapInfo directory path settings by using the Configuration wizard or the **SnapInfo settings** action.

About this task

SnapInfo directory settings are specified on the host level in SnapManager for Hyper-V. SnapManager for Hyper-V supports NAS (SMB) hosts and SAN hosts. For SAN hosts, the SnapInfo settings are applied on the volume level; for NAS hosts, the SnapInfo settings are applied on the SMB share level.

If you have added the IP address of the storage system to SnapDrive for Windows TPS, the storage settings from SnapDrive for Windows are automatically populated when you run the configuration wizard in SnapManager for Hyper-V. If you do not have SnapDrive for Windows TPS configured, you must specify the IP address of the storage system in the Manage Storage Connections tab in SnapManager for Hyper-V.

Steps

1. From the navigation pane, click **Protection > Hosts**.
2. Select the host for which you want to change the SnapInfo directory path.
3. From the **Actions** pane, select **SnapInfo settings**.

The **SnapInfo Settings** dialog box opens.

4. Select the storage type from the options shown:

Option	Description
SAN	This is the default storage type.
NAS	Use this option for SMB shares.

5. Click **Browse**.

The Browse for Folder window opens.

6. Select your SnapInfo storage system (SAN) or volume (NAS) and click **OK**.

The hosts that display are NAS shares corresponding to the storage systems that have been registered using the `Manage Storage Connections` option at the host level. If you do not see the shares you are looking for, ensure that `Manage Storage Connections` has been configured correctly.

7. From the **SnapInfo Settings** window, click **OK**.

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