

Perform a cluster operating system rolling upgrade

SnapManager for Hyper-V

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Perform a cluster operating system rolling upgrade

You can perform a cluster operating system (OS) rolling upgrade to upgrade the OS of the cluster nodes without stopping SnapManager for Hyper-V. This feature supports SLA compliance by reducing downtime.

Failover clusters running SnapManager for Hyper-V can be upgraded from Windows Server 2012 R2 to Windows Server 2016 and Windows Server 2019 with no downtime.

For information on cluster OS rolling upgrade benefits, installation process and limitations refer to the related information.

Related information

Microsoft TechNet: Cluster operating system rolling upgrade

Map LUNs in mixed operating system mode

When you perform a cluster OS rolling upgrade, you can use the following procedure to unmap the LUNs from the Windows 2012 R2 node and remap them to the Windows Server 2016 node after it is added to the cluster.

What you'll need

The Windows Server 2016 node must be added to the cluster.



Cluster Rolling upgrade is supported from Windows Server 2016 to Windows Server 2019

Steps

- 1. Log in to the ONTAP System Manager.
- 2. Select the LUN that was mapped to Windows 2012 R2.
- 3. Click Edit and select Initiator Groups.

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- 4. Uncheck the igroup of the removed node from the cluster.
- 5. Add a new Initiator Group for all the newly added Windows 2016 nodes.

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6. Select the checkbox beside the newly created initiator group to map the LUN to the Windows 2016 host that was added to the cluster.

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7. Repeat Steps 4 and 6 to map every LUN to Windows 2016 nodes.

All LUNs should be visible in the Windows 2016 node.

8. Rescan the disks from the disk management tool in the Windows 2016 nodes.

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9. Add the storage management LIF in the new Windows 2016 SnapDrive transport protocol settings (TPS) and then refresh the disks.

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Update the dataset and SnapInfo across all nodes

After you perform a cluster OS rolling upgrade, you must update the dataset and SnapInfo across all nodes.

What you'll need



Cluster Rolling upgrade is supported from Windows Server 2016 to Windows Server 2019; shared disk backup is not supported in mixed-mode operating systems.

Steps

- 1. Edit all the datasets on the Windows 2012 R2 node.
- 2. Verify that all available datasets are visible on the Windows 2016 node.
- 3. Set the SnapInfo path on the Windows 2012 R2 node.
- 4. Verify that the correct SnapInfo path is displayed on the Windows 2016 node.

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