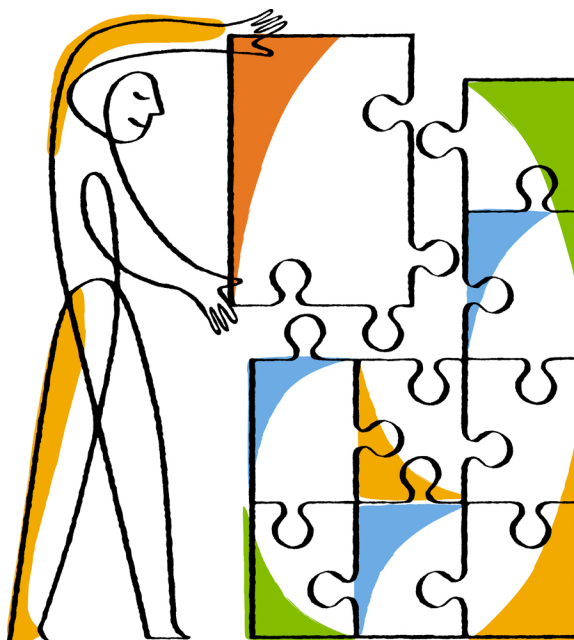




OnCommand® Plug-in 4.1 for Microsoft®

Release Notes



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Product overview

You can use OnCommand Plug-in for Microsoft to configure, monitor, and maintain your storage. The plug-in includes management packs for Microsoft System Center Operations Manager (SCOM) 2012, PowerShell cmdlets, and System Center Orchestrator integration packs (OIPs) that you can use to provision, clone, and recover Microsoft Hyper-V virtual machines.

New in this release

OnCommand Plug-in 4.1 for Microsoft includes support for new features and configurations, including Data ONTAP 8.3 and MetroCluster.

New features in OnCommand Plug-in 4.1 for Microsoft

- MetroCluster in clustered Data ONTAP SCOM management pack (discovery, monitoring and reporting)
- Data ONTAP 8.3
- Clustered Data ONTAP: FCP adapter State Monitoring Rule
- FCP adapter
- Thin provisioning information added to the Volumes view
- Rescan management server to recognize new servers and to show updated information

To identify supported configurations, go to the Interoperability Matrix located at mysupport.netapp.com/matrix.

New features in OnCommand Plug-in 4.0.1 for Microsoft

- Data ONTAP 8.2.1 operating in 7-Mode
- Clustered Data ONTAP 8.2.1
- Windows Server 2012 R2
- Microsoft System Center Virtual Machine Manager Enterprise or Data Center 2012 R2
- Microsoft System Center Operations Manager 2012 R2
- Microsoft System Center Orchestrator 2012 R2
- Clustered Data ONTAP-v for Edge or Edge-T for model FDvM200

To identify supported configurations, go to the Interoperability Matrix located at mysupport.netapp.com/matrix.

Supported upgrade path

You can upgrade to OnCommand Plug-in 4.1 for Microsoft from version 3.2.1 and later.

Verifying support for your configuration in the IMT

You can use the NetApp Interoperability Matrix (IMT) to verify OnCommand Plug-in for Microsoft support for your configuration: Data ONTAP software, host operating system, and the like. Verify your configuration before you install or upgrade to OnCommand Plug-in 4.1 for Microsoft.

Steps

1. Go to mysupport.netapp.com/matrix.
2. If OnCommand Plug-in for Microsoft (OCPM) is not the selected storage solution, click **Change** and select it under the Server Suite category.



3. In the **Component Explorer** pane, select each component you want to verify and click **Add** when prompted.

When you add an item, incompatible items are grayed out.

Tip: Select the parent of a set of components to select all of its children.

4. When you are prompted to add the components to the worksheet, click **Add**.
5. When you are satisfied with your choices, click **Show Results**.
6. When the IMT lists each supported configuration, perform one of the following actions:
 - Scroll across a configuration to view the supported components and any notes or alerts for the configuration.
 - Click the configuration name to display complete information for supported components, including support history and NetApp policies and guidelines for the selected Storage Solution category.

If no results are returned for your configuration, click **Feedback** in the upper right corner of the IMT.

Fixed issues

It is a good practice to review the bugs fixed in OnCommand Plug-in 4.1 for Microsoft before upgrading to the new release.

Fixed issues in OnCommand Plug-in 4.1 for Microsoft

Bug ID	Description
793189	Volume data is not displayed in SCOM when a DR vFiler is activated in Data ONTAP 7-Mode.
798485	The OnCommand Plug-in 4.0 Installation and Administration Guide does not specify required permissions to discover and monitor using cluster Data ONTAP.
799164	Volume and aggregate available space monitors cut off decimal places for counter values.
787957	To improve the performance for sub LUN Sis clone operation use a 100 MB maximum.
746478	Some of the views appear to be always loading data.
752861	SCOM does not discover and monitor FCP ports for clustered Data ONTAP.
852335	OCPM monitor default threshold values for clustered Data ONTAP environments
854154	Unable to connect to controllers when adding storage controller credentials (Run As account)

Fixed issues in OnCommand Plug-in 4.0.1 for Microsoft

Bug ID	Description
831124	OCPM 3.2.1 does not show Controller Committed Space and Aggregate Committed Space
793720	OnCommand Plug-in for Microsoft 4.0 management pack has rules with category “None” that cause failures in SCOM.
791048	SCVMM Console Add-in encounters errors when non-Hyper-V hosts are managed by SCVMM.
782795	Plug-in inaccurately reports Quota Alerts and Health State.
762097	LUN Alert Description contains NULL values instead of a millisecond value.
759264	Errors occur after you install the Update Rollup for SCVMM.

Bug ID	Description
757049	Monitoring scripts continue to run for storage systems that have been removed from SCOM.
751771	VIM web service configuration file is not updated when you upgrade the plug-in.
725278	Monitors for disconnected ports send alerts and display the health state.

Important cautions

Important cautions identify issues that might cause data loss or system failure. You should review these cautions carefully.

Running virtualization discovery

After you complete a MetroCluster switchover operation, you must run discovery on your clustered Data ONTAP systems prior to running virtualization discovery.

Minimum RSA certificate key length required in Windows

If the NetApp storage controller uses a certificate with an RSA key length less than 1024 bits, the length must be updated to meet the minimum requirements for certificates; the RSA key must be at least 1024 bits long. This affects Windows Server 2008 R2.

Known limitations

Known limitations identify platforms, devices, or functions that are not supported by OnCommand Plug-in 4.1 for Microsoft, or that do not interoperate correctly with OnCommand Plug-in for Microsoft. You should review these limitations carefully.

The following functionality is not supported in this release:

- Discovery and monitoring of SMB home-directory or home-directory shares
- The Clustered Data ONTAP MetroCluster: SwitchBack Effect Monitor is not functioning

Remote cloning limitations (7-Mode only)

Note the following limitations to remotely cloning templates:

- A non-HA VM template can be cloned only from stand-alone to remote or to local stand-alone.
- An HA VM template can be cloned only from cluster to remote or to local cluster.

Monitor timeout and interval values in a large configuration

In a large configuration with many storage objects, you must configure the timeout and interval values of the rules. You must override and increase the timeout and interval values of the rules to avoid a timeout occurring or monitoring scripts being dropped. You should monitor the Operations Manager event logs for script timeout issues.

SNMP v3 cannot be used to discover hosts with SCOM MP operating in 7-Mode

By default, SCOM MP uses only SNMP v1 or v2 for network discovery, and the plug-in uses the network discovery built into SCOM. If you are using SNMP v3 and attempt to add a controller using SCOM, discovery does not find the host and the controller is not added.

Known issues

Known issues identify problems that might prevent you from using this release of the product successfully. NetApp Bugs Online provides complete information for most known issues, including any workarounds.

[NetApp Bugs Online](#)

If a Bugs Online report is available, the bug ID contains a hyperlink to the report.

Known issues identified in this release

The following issues have been added to the release notes since the last release:

Bug ID	Description
813108	Misleading error message when trying to add a 7-Mode storage controller using the Clustered Data ONTAP: Manage Storage System task.
832322	Error event ID 22406 PowerShell script failed with exception.
820415	VHD Volume State Monitor does not generate event 25012 when the VHD's volume is offline.
830206	Unable to add controllers into System Center Operations Manager (SCOM) OnCommand Plug-in 4.0.1 for Microsoft (OCPM).

Known issues identified in previous releases

The following issues were reported in previous editions of the release notes:

Bug ID	Description
798477	Clone VM from template add-in gives an error when you have VMware templates in SCVMM.
797566	Reset to Default under Personalize View removes the Aggregate and Volume Name column in Data ONTAP operating in 7-Mode.
795905	7-Mode Aggregate and Volume views fail to load sometimes and selecting items in Personalize View causes it to hang.
793597	SCVMM might cache previous add-ins.
793195	Activating DR vFiler units blocks monitoring of all USED Space counters in SCOM.
785436	The plug-in Volume Available Space reports critical when Space Utilization is at 0% for small volumes in clustered Data ONTAP.

Bug ID	Description
780178	An incomplete version number is displayed for the integration packs under SCO deployment manager.
779161	You cannot add controllers into SCOM after upgrading to plug-in 4.0 operating in 7-Mode.
745175	Sub LUN Sis clone performance degradation: operation buffer size was reduced in OnCommand Plug-in 4.0 to prevent the Data ONTAP API from hanging.
743532	OnCommand Plug-in for Microsoft fails to collect and monitor performance statistics on controllers running Data ONTAP 8.1.3 or later operating in 7-Mode.
689292	OnCommand Plug-in for Microsoft cannot set threshold levels for qtree, such as Critical and Warning, as can be set for aggregates.
725278	Monitors for disconnected ports send alerts and display the health state.
707547	Disconnect-OCStorage cmdlet might fail if a LUN is missing the serial number.
669645	OnCommand Plug-in for Microsoft add-in for SCVMM Console fails to clone to a remote host that has only the SCVMM Console.

Documentation errors and omissions

Review these errors and omissions in the published documentation carefully.

Adding Data ONTAP storage controller credentials in 7-Mode environments

If you cannot connect to the controller entered into the Manage Storage System, the run-as action account might need to be configured:

- Add the OnCommand Plug-in for Microsoft Run As Action Account as an administrator on the local host.
- Change the credentials of the OnCommand Plug-in for Microsoft Run As Action Account to a user with privileges that will allow it to run.
The credentials can be edited by navigating SCOM **Administration > Run As Configuration > Accounts > Action Account**.

Adding a clustered Data ONTAP storage system

If you cannot connect to the controller entered into the Manage Storage System, the run-as action account might need to be configured:

- Add the OnCommand Plug-in for Microsoft Run As Action Account as an administrator on the local host.
- Change the credentials of the OnCommand Plug-in for Microsoft Run As Action Account to a user with privileges that will allow it to run.
The credentials can be edited by navigating SCOM **Administration > Run As Configuration > Accounts > Action Account**.

Hardware requirements for installation

For SCOM management servers that will be monitoring clustered Data ONTAP systems, it is recommended that in addition to meeting the minimum requirements specified in the *OnCommand Plug-in for Microsoft Installation and Administration Guide*, your management server should have at least 8 vCPUs and 8GB of additional RAM available for the plug-in.

Where to get help and find more information

The NetApp Support Site provides access to troubleshooting tools, product documentation, and technical assistance. You can use NetApp Community forums to connect with peers, and the NetApp Library to access technical reports and white papers.

Resource	Description
<i>NetApp Support</i>	Access troubleshooting tools, product documentation, and technical support assistance.
<i>NetApp Communities</i>	Connect with peers, ask questions, exchange ideas, find resources, and share best practices.
<i>NetApp library of technical reports and white papers</i>	Access technical reports, white papers, and other documents.

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You can also contact us in the following ways:

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