Dell EMC OpenManage Integration Version 1.0.1 with Microsoft Windows Admin Center

Release Notes

DELLEMC

Notes, cautions, and warnings

(i) **NOTE: A NOTE indicates important information that helps you make better use of your product.**

⚠ **CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.**

⚠ **WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

Contents

Release summary

Dell EMC OpenManage Integration with Microsoft Windows Admin Center (OMIMSWAC) enables you to manage the PowerEdge servers as hosts, Microsoft Failover Clusters created with PowerEdge servers, and Hyper-Converged Infrastructure (HCI) created by using the Dell EMC Microsoft Storage Spaces Direct (S2D) Ready Nodes. OMIMSWAC simplifies the tasks of IT administrators by remotely managing the PowerEdge servers and clusters throughout their lifecycle. For more information about the features and benefits of OMIMSWAC, see the documentation at Dell.com/OpenManageManuals.

Topics:

- Version
- Release Date
- Priority and recommendations

Version

1.0.1

Previous Version

1.0.0

Release Date

November 2019

Priority and recommendations

Recommended: Dell EMC recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers and software).

Compatibility

Table 1. Compatibility matrix

Supported software and hardware	Version
Microsoft Windows Admin Center	1904, 1904.1, and 1910 GA releases. See the Microsoft Windows Admin Center documentation at https://www.microsoft.com/en-us/cloud-platform/windows-admin-center.
Operating systems	For more information about the supported OSs for installing Microsoft Windows Admin Center and different modes of installation, see the Microsoft Windows Admin Center documentation at https://www.microsoft.com/en-us/cloud-platform/windows-admin-center. ⓘ **NOTE: To view the update compliance details of the devices by using OpenManage Integration with Windows Admin Center, the supported OS is Microsoft Windows 2012 R2 and later.**
Browsers	For more information about the supported browsers by Microsoft Windows Admin Center, see the Microsoft Windows Admin Center documentation at https://www.microsoft.com/en-us/cloud-platform/windows-admin-center.
Dell EMC System Update Utility (DSU) The **Systems-Management_Application_DVHNP_WN64_1.7.0_A00.EXE** DSU file can be downloaded from here.	1.7.0
Dell EMC Inventory Collector (IC)	The supported version of IC can be downloaded from here.
Dell EMC Repository Manager (DRM)	3.2
PowerEdge servers as target nodes. For more information on the generic naming convention of PowerEdge servers, see Identifying the generation of your Dell EMC PowerEdge server .	YX2X and YX3X models of PowerEdge servers with iDRAC7 and iDRAC8 respectively (Recommended firmware version of 2.60.60.60 or later). ⓘ **NOTE: For PowerEdge servers with firmware versions lesser than 2.60.60.60, information of hardware inventory and health status of few components might not be available. For more information about the components for which the information is not available, see** *Dell EMC OpenManage Integration with Microsoft Windows Admin Center User's Guide.*
	YX4X models of PowerEdge servers with iDRAC9 (Recommended firmware version of 3.30.30.30 or later).
	YX5X models of PowerEdge servers with iDRAC9 (Recommended firmware version of 3.40.40.40 or later).
Storage Spaces Direct Ready Nodes running supported Microsoft Windows Server versions as target nodes	R740xd, R740xd2, and R640 Storage Spaces Direct Ready Nodes

Key features

- OpenManage Integration with Microsoft Windows Admin Center (OMIMSWAC) provides a simplified solution to the IT administrators to efficiently manage the following:
  - Dell EMC PowerEdge servers with support for newer YX5X models of PowerEdge AMD servers.

    For more information on the generic naming convention of PowerEdge servers, see Identifying the generation of your Dell EMC PowerEdge server
  - Azure Stack HCI created with Dell EMC Microsoft Storage Spaces Direct Ready Nodes
  - Microsoft failover clusters created with Dell EMC PowerEdge servers
- A unified view of health, hardware, and firmware inventory information of the device components.
- Provides update compliance report of PowerEdge servers and clusters against update repository created with Dell EMC Repository Manager (DRM).
- Provides notifications on availability of new update catalogs.
- View iDRAC information of PowerEdge servers. For out-of-band management, you can directly launch the iDRAC console from Windows Admin Center.
- Availability of OMIMSWAC GUI and documentation in English, French, German, Spanish, Simplified Chinese, and Japanese languages.

Known issues

Issue 1

Description

Unable to fetch the health and hardware inventory from target iDRAC.

Workaround

Ensure the following are enabled or available on the target node.

- The Redfish service is enabled.
- An iDRAC user slot is available.
- SMB port 445 is open. For more information, see https://go.microsoft.com/fwlink/?linkid=2101556.
- For management of PowerEdge servers, OMIMSWAC uses an internal OS to iDRAC Pass-through interface. By default, iDRAC will be reachable using the IP address 169.254.0.1/<Subnet> or 169.254.1.1/<Subnet>. However, if the host has another network interface in the same subnet (For example, when tool like VMFleet is installed), OMIMSWAC might not be able to communicate to the iDRAC from the host OS. To resolve the conflict, log in to iDRAC and change the USB NIC IP address under the OS to iDRAC passthrough section. For more information about assigning this IP address, see the iDRAC documentation on the Dell EMC support site.
- Ensure that the target node is not booted to Lifecycle Controller.
- Target node is not in the reboot state, or is powered-off.
- The USB NIC adapter is not disabled on the target node OS.
- PowerShell execution policy is set to RemoteSigned in the target node OS. For more information, see https://www.dell.com/support/article/sln318718/dell-emc-openmanage-integration-with-microsoft-windows-admin-center-omimswac-fails-to-query-host-information.

Issue 2

Description

For YX2X and YX3X models of PowerEdge servers with firmware versions lesser than 2.60.60.60, and YX4X models of PowerEdge servers with firmware versions lesser than 3.30.30.30, information of the following components are not displayed:

- Health status: memory, storage controllers, storage enclosures, and physical disks.
- Hardware inventory: memory, storage controllers, storage enclosures, physical disks, network devices, and firmware.

Workaround

- Ensure that the YX2X and YX3X models of PowerEdge servers are updated with latest iDRAC version of 2.60.60.60 or later.
- Ensure that the YX4X models of PowerEdge servers are updated with latest iDRAC version of 3.30.30.30 or later.

Issue 3

Description

The overall health status of the PowerEdge servers and HCI cluster might be displayed as critical or warning even though the components of the nodes displayed on the Windows Admin Center are healthy.

Workaround

For more details on the components in critical health state, go to the respective iDRAC console.

Issue 4

Description

While installing OMIMSWAC by using local path or network path, multiple instances of OMIMSWAC extension might be listed under Available and Installed Extensions when more than one .nupkg packages are available in the specified folder path, or the .nupkg packages are available in root or subfolders in addition to the folder path provided under **Feeds** > **Add package source**.

Workaround

Ensure that a single .nupkg package is available in the root or subfolders under **Feeds** > **Add package source**.

Issue 5

Description

When you navigate out of OpenManage Integration to other tools under HCI or Failover solutions and navigate back to OpenManage Integration, the following error is displayed: "Enabling CredSSP Delegation".

Workaround

Ignore the error because the functionality of OpenManage Integration and Windows Admin Center is not blocked.

Issue 6

Description

If the lockdown mode is enabled on YX4X models of Dell EMC PowerEdge servers, inventory of health, hardware, and iDRAC fails with error: "Unable to create users on target iDRAC device."

Workaround

Disable the lockdown mode on the target node managed by Dell EMC OpenManage Integration.

Issue 7

Description

The update compliance report might not generated for the cluster nodes.

Workaround

Ensure that the cluster service is running on the cluster node by using the `Get -ClusterService` PowerShell command, and also ensure that the cluster node is not rebooting or in the powered-off state.

Issue 8

Description

The attribute values of hardware inventory information for storage enclosure components might be empty because the information is not available on the target iDRAC.

Issue 9

Description

The overall health status of the PowerEdge servers and HCI cluster might be displayed as critical or warning even though the components of the nodes displayed on the Windows Admin Center are healthy. The health status of physical disks attached to embedded SATA controller may be displayed as Unknown because iDRAC is unable to get the health information for these disks.

Issue 10

Description

The update compliance may intermittently and partially succeed for server and cluster nodes.

Workaround

Rerun the compliance with the same input details.

Issue 11

Description

Inventory fetch of servers and cluster nodes fails with the error: Unable to initialize the OMIMSWAC extension.

Resolution

Ensure IPMI driver is installed and IPMI service is in the running state on the target node. For more information, see https://www.dell.com/support/article/sln318718/dell-emc-openmanage-integration-with-microsoft-windows-admin-center-omimswac-fails-to-query-host-information.

Issue 12

Description

If NICs are disabled in BIOS settings, there will be a delay in displaying the health and hardware inventory information for certain iDRAC firmware versions.

Resolution

Ensure all the NICs are enabled in BIOS settings.

Issue 13

Description

When a cluster is connected by using Single Sign-on authentication, OMIMSWAC is unable to retrieve the inventory information and the Windows Admin Center might be unresponsive.

Resolution

Connect the cluster by using the **Manage as** feature and by entering the cluster administrator account. For more information, see https://docs.microsoft.com/en-us/windows-server/manage/windows-admin-center/use/get-started.

Issue 14

Description

For a Failover cluster connection, if you navigate out of the OMIMSWAC extension to access other Windows Admin Center tools, Windows Admin Center turns into a blank page.

Resolution

To continue to use Windows Admin Center tools, refresh the web browser.

Instructions for installing Dell EMC OpenManage Integration with Microsoft Windows Admin Center

Installation process

OMIMSWAC can be installed in one of the following ways:

- By using the NuGet feed
- By using local path or network file share with the downloaded `Dell_EMC_OpenManage_Integration_MS_WAC_<Version>.<Build_Number>.zip` file from the Dell EMC Support Site. For more information about downloading the .zip file, see the *Download Dell EMC OpenManage Integration with Microsoft Windows Admin Center* section.

For more information about installing OMIMSWAC, see the *Dell EMC OpenManage Integration with Microsoft Windows Admin Center Installation Guide* at Dell.com/OpenManageManuals.

ⓘ **NOTE: If you are installing Dell EMC OpenManage Integration with Windows Admin Center extension by using the Custom Feed option, refer the Microsoft documentation to set up a custom feed or share at: https://docs.microsoft.com/en-us/windows-server/manage/windows-admin-center/configure/using-extensions.**

Download Dell EMC OpenManage Integration with Microsoft Windows Admin Center

1. Go to Dell.com/support.
2. Perform one of the following actions:
   a. Enter the Service Tag of your PowerEdge server, and then select **Search**.
   b. Select **Browse all products** > **Servers** > **PowerEdge**, and then select the appropriate model of your PowerEdge server.
3. On the support page of your server, select **DRIVERS & DOWNLOADS**.
4. From the **Category** list, select **Systems Management**.
5. Select the supported version of OpenManage Integration with Microsoft Windows Admin Center, and then click **Download**.

The downloaded `Dell_EMC_OpenManage_Integration_MS_WAC_<Version>.<Build_Number>.zip` file contains the .nupkg file which is used to install OMIMSWAC integrator in Windows Admin Center by using a local path or network share.

ⓘ **NOTE: Do not rename the .nupkg file while installing the OMIMSWAC extension.**

Instructions for upgrading Dell EMC OpenManage Integration with Microsoft Windows Admin Center

OMIMSWAC can be upgraded in one of the following ways:

- By using the NuGet feed
- By using local path or network file share with the downloaded `Dell_EMC_OpenManage_Integration_MS_WAC_<Version>.<Build_Number>.zip` file from the Dell EMC Support Site. For more information about downloading the .zip file, see the *Download Dell EMC OpenManage Integration with Microsoft Windows Admin Center* section.

For more information about upgrading OMIMSWAC, see the *Dell EMC OpenManage Integration with Microsoft Windows Admin Center Installation Guide* at Dell.com/OpenManageManuals.

Identifying the generation of your Dell EMC PowerEdge server

To cover a range of server models, the PowerEdge servers are now be referred to using the generic naming convention and not their generation.

This topic explains how to identify the generation of a PowerEdge server that are referred to using the generic naming convention.

Example:

The R740 server model is a rack, two processor system from the 14th generation of servers with Intel processors. In the documentation, to refer to R740, generic naming convention **YX4X** server is used, where:

· The letter **Y** (alphabet) denotes the type (form factor: Cloud (C), Flexible(F), Modular (M or MX), Rack(R), Tower(T)) of the server.
· The letter **X** (digit) denotes the class (number of processors) of the server.
· The digit **4** denotes the generation of the server.
· The letter **X** (digit) denotes the make of the processor.

Table 2. PowerEdge servers naming convention and examples

YX5X servers	YX4X servers	YX3X servers
PowerEdge R7515	PowerEdge M640	PowerEdge M630
PowerEdge R6515	PowerEdge R440	PowerEdge M830
	PowerEdge R540	PowerEdge T130

Contacting Dell EMC

Dell EMC provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area.

ⓘ **NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell EMC product catalog.**

To contact Dell EMC for sales, technical support, or customer service issues:

1. Go to Dell.com/support.
2. Select preferred country or region from the list at the bottom right of the page.
3. Click **Contact Us** and select the appropriate support link.

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There are other computer-related projects using the name curl as well. For details, check out our position on the curl name issue.

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