Dell EMC OpenManage Plug-in Version 3.1 For Nagios XI

Release Notes

DELLEMC

Notes, cautions, and warnings

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 Type and Definition

Dell EMC OpenManage Plug-in version 3.1 for Nagios provides capabilities for Out-of-Band (Agent-Free) management of iDRAC based PowerEdge Servers, Modular Infrastructure, Hyper-Converged Infrastructure (HCI),Datacenter Scalable Solutions(DSS), Storage and Networking devices. This plug-in provides complete hardware-level visibility including detailed inventory, health status (both overall and component-level health status) and SNMP trap monitoring for supported devices. PowerEdge servers are monitored using the Redfish based REST APIs, WS-Man APIs and SNMP protocol supported by iDRAC with Lifecycle Controller. Modular infrastructure are monitored using the REST APIs, WS-Man and SNMP protocol supported by OpenManage Enterprise-Modular (for MX7000 chassis) and Chassis Management Controller (for M1000e, VRTX and FX2/FX2s). REST APIs and SNMP are supported for monitoring the storage devices whereas networking devices are monitoring using SNMP. One-to-One web console launch of the respective element managers for iDRAC, Modular Infrastructure, Storage and Network devices is also supported by the OpenManage Plug-in to perform further troubleshooting, configuration and management activities.

Topics:

- Version
- Release Date
- Previous Version
- Importance
- Platforms Affected
- What is Supported

Version

Dell EMC OpenManage Plug-in for Nagios XI Version 3.1

Release Date

April 2020

Previous Version

Dell OpenManage Plug-in for Nagios XI Version 3.0

Importance

OPTIONAL: Dell recommends the customer to review specifics about the software update to determine if it applies to your system. The update contains changes that impact certain configurations, or provides new features that may/may not apply to your environment.

Platforms Affected

For the list of supported platforms, see the section *Support Matrix* in the *Dell EMC OpenManage Plug-in Version 3.1 for Nagios XI User's Guide* at *dell.com/openmanagemanuals*.

What is Supported

Dell EMC OpenManage Plug-in Version 3.1 for Nagios XI is supported on Nagios XI version 5.4.11 and later For the list of supported software, operating systems, and other requirements, see the section "System requirements" in the "Dell EMC OpenManage Plug-in Version 3.1 for Nagios XI Installation Guide" at dell.com/openmanagemanuals.

What is new

Dell EMC OpenManage Plug-in Version 3.1 for Nagios supports the following new features:

- Support for latest PowerEdge Server Platforms with iDRAC9
- Support for PowerEdge MX7000 Modular Chassis.
- Support for PowerVault ME4 Series SAN/DAS Storage- ME4012, ME4024, ME4084
- Support for VxFlex Ready Nodes
- Support for latest Operating Systems 6,9 and 10 for Dell EMC Network Switches
- Enhanced security with AES 256-bit based password encryption in host definition files
- Improved monitoring support for server components using iDRAC Redfish based REST APIs
- New GPU Accelerators monitoring support for servers via iDRAC Redfish based REST APIs
- Added Fault information in 'Overall Health Service' status for servers, MX7000 modular chassis and ME4 storage
- Multiple enhancements to check script including support for enabling/disabling services, exclusion of a component instance monitoring etc.
- Enhanced security with support for latest Dell APIs with TLS 1.2 for warranty monitoring
- Simplified installation of 'omsdk' python library-supports installation using a source distribution, reduced external dependencies.

Fixes

Switch discovery fails if the switch is configured as Stack.

Important Notes

To visit Dell TechCenter for accessing whitepapers, blogs, wiki-articles, videos, Product communities and forums, see: https://www.dell.com/support/article/en-us/sln310654/dell-emc-system-update-dsu ?lang=en

Known Issues

Issue 1(25122):

Description:

In "Dell EMC Chassis I/O Module Status" service, value for "FabricType" is shown incorrectly as "UNKNOWN, for few IO Modules when PowerEdge M1000e chassis is discovered.

Version Affected:

Version 3.1

Issue 2(25121):

Description:

In "Dell EMC Chassis power supply status" service, health status for one of the power supply instance which is standby is shown as "UNKNOWN" when Dell EMC Chassis is discovered.

Version Affected:

Version 3.1

Resolution: Launch the respective chassis console for the PowerEdge M1000e, PowerEdge VRTX, and PowerEdge FX2/FX2s chassis host from the Nagios Core to view the the health status of standby power supply.

Issue 3(178686):

Description:

SNMP traps are not received from the Dell EMC device in the Nagios Core console for Ubuntu setup

Version Affected:

Version 3.1

Issue 4(255091):

Description:

In "Dell EMC Server Overall Health Status" service, Power Supply Status is shown as OK instead of UNKNOWN when DSS 1510 device is discovered using SNMP and WSMan protocol

Version Affected:

Version 3.1

Issue 5(92913):

Description:

In "Dell EMC Network Switch Physical Port Status" service may get timed out in case high number of vlan/virtual ports are configured under monitored Dell EMC Network device.

Version Affected:

Version 3.1

Resolution:

Launch the respective chassis console for the PowerEdge M1000e, PowerEdge VRTX, and PowerEdge FX2/FX2s chassis host from the Nagios Core to view the the health status of standby power supply.

Issue 6(93599):

Description:

In "Dell EMC Server Controller Status" service, an extra instance will be shown only when Dell EMC PowerEdge server is been discovered using RedFish protocol and that device have SATA controller

Version Affected:

Version 3.1

Resolution:

Launch the respective chassis console for the PowerEdge M1000e, PowerEdge VRTX, and PowerEdge FX2/FX2s chassis host from the Nagios Core to view the the health status of standby power supply.

Issue 7(98517):

Description:

Discovery of Dell EMC PowerEdge Server (Rack and Cloud) with firmware versions between 3.00.00.00 and 3.15.15.15 using IPv6 with WSMan or RedFish protocol will fail.

Version Affected:

Version 3.1

Issue 8(155276):

Description:

OMSDK installation may fail with pip version 10.0 and above

Version Affected:

Version 3.1

Resolution:

Follow any one of the below steps:

- Downgrade pip version to lower than 10.0 and then install omsdk
- Force install omsdk using: pip install --ignore-installed omsdk

Issue 9(156443):

Description:

ME4 Alert with Event 198 is shown as Normal/Informational instead of Critical.

Version Affected:

Version 3.1

Limitations

The following are the limitations:

- IPv6 traps are not associated with the corresponding Dell EMC device in the Nagios console

Installation Prerequisites

For the installation prerequisites, see the "Dell EMC OpenManage Plug-in Version 3.1 for Nagios Installation Guide" at dell.com/openmanagemanuals

Installation Instructions

For installation or update related information, see the "Dell EMC OpenManage Plug-in Version 3.1 for Nagios Installation Guide" at dell.com/Support

Installation and Configuration Notes

For installation and configuration related information, see the "Dell EMC OpenManage Plug-in Version 3.1 for Nagios Installation Guide" at dell.com/Support

Accessing documents from the Dell EMC support site

You can access the required documents in one of the following ways:

* Using the following links:

    * For Dell EMC Enterprise Systems Management, Dell EMC Remote Enterprise Systems Management, and Dell EMC Virtualization Solutions documents — www.dell.com/esmmanuals
    * For Dell EMC OpenManage documents — www.dell.com/openmanagemanuals
    * For iDRAC documents — www.dell.com/idracmanuals
    * For Dell EMC OpenManage Connections Enterprise Systems Management documents — www.dell.com/OMConnectionsEnterpriseSystemsManagement
    * For Dell EMC Serviceability Tools documents — https://www.dell.com/serviceabilitytools

* From the Dell EMC Support site:

    1. Go to https://www.dell.com/support.
    2. Click **Browse all products**.
    3. From **All products** page, click **Software**, and then click the required link from the following:

        * **Analytics**
        * **Client Systems Management**
        * **Enterprise Applications**
        * **Enterprise Systems Management**
        * **Mainframe**
        * **Operating Systems**
        * **Public Sector Solutions**
        * **Serviceability Tools**
        * **Support**
        * **Utilities**
        * **Virtualization Solutions**
    4. To view a document, click the required product and then click the required version.

* Using search engines:

    * Type the name and version of the document in the search box.

Contacting Dell

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

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

1. Go to **Dell.com/support.**
2. Select your support category.
3. Verify your country or region in the **Choose a Country/Region** drop-down list at the bottom of the page.
4. Select the appropriate service or support link based on your need.