Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core

Release Notes

DELLEMC

2019 - 01

Rev. A00

Contents

Release Type and Definition

This document contains updated information about Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core.

Dell EMC OpenManage Plug-in version 3.0 for Nagios Core provides capabilities for Out-of-Band (Agent-Free) management of 12th and later generations of 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, DSS and HCI are monitored using a combination of Redfish based RESTful APIs, WSMan APIs and/or SNMP protocol provided by iDRAC with Lifecycle Controller. In addition, out-of-band monitoring of Dell EMC Modular Infrastructure is supported using the WSMan APIs and SNMP protocol provided by Chassis Management Controller (CMC), whereas Dell EMC Storage and Networking devices are monitored using the SNMP protocol only. 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.

The Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core documentation includes:

- Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core Installation Guide
- Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core User's Guide

Topics:

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Version

Dell EMC OpenManage Plug-in for Nagios Core Version 3.0

Release Date

April 2018

Previous Version

Dell OpenManage Plug-in for Nagios Core Version 2.0

Dell EMC OpenManage Plug-in for Nagios Core Version 2.1

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 3.0 for Nagios Core User's Guide" at dell.com/openmanagemanuals.

What is Supported

Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core is supported on Nagios Core Version 3.5.0 or later.

For the list of supported software, operating systems and other requirements, see the "Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core Installation Guide" at dell.com/openmanagemanuals.

What is new

Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core supports the following new features:

- Supports OMSDK (OpenManage Python Software Development Kit) version 1.1.268
- Simplified plugin installation and deployment with Enhanced host and service checks
- Support Redfish REST APIs for monitoring PowerEdge Servers and HCI platforms
- Support for Dell EMC Network Switches
- Support for OEM Servers
- Upgrade from previous Dell OpenManage Plug-in Version 2.1 to the current Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core.

Fixes

Issue 1:

Description: In "Dell EMC Server Overall Health Status" service, Power Supply Roll up status would be shown as UNKNOWN even if the actual Power supply Roll up status is OK after upgrading iDRAC firmware to 2.30.30.30 or a higher version when Dell server is discovered using WSMan. The actual status will be shown correctly once there is any change in the health status of the Power supply.

Issue 2:

Description: In "Dell EMC Server Voltage Probe Status", service when one of the instance's actual status is UNKNOWN, that instance will appear as CRITICAL instead of UNKNOWN while monitoring using SNMP protocol with iDRAC firmware version lower than 2.30.30.30.

Issue 3:

Description: In "Dell EMC Server Voltage Probe Status" service, some of the Voltage instances will be missing when PowerEdge C6320 server is discovered using WSMan protocol with iDRAC firmware version lower than 2.30.30.30.

Issue 4:

Description: In "Dell EMC Server Overall Health Status" service, Power Supply Status is shown as OK instead of UNKNOWN, when PowerEdge T130 or PowerEdge C6320 server is discovered using SNMP protocol, and when PowerEdge DSS1510 server is discovered using SNMP or WSMan protocol with iDRAC firmware version lower than 2.30.30.30.

Issue 5:

Description: Dell EMC Warranty Status showing Critical if initial warranty is expired, but extended warranty still exists.

Issue 6:

Description: If a Dell EMC Chassis is configured with only Internet Protocol Version 6 (IPv6) address and is not using the HTTPS default port number (default 443) and was discovered using the Host Name, then the users will not be able to access Chassis Management Controller (CMC) web interface from the Nagios XI console.

Important Notes

To visit Dell TechCenter for accessing whitepapers, blogs, wiki-articles, videos, product communities and forums, see en.community.dell.com/techcenter/systems-management/w/wiki/6277.dell-openmanageplug-in-for-nagios-core.

Known Issues

Issue 1(178686):

Description:

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

Version Affected:

Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core.

Issue 2(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:

Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core.

Issue 3(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:
Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core.

Issue 4(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:
Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core.

Resolution: Launch the respective device console for the Dell EMC PowerEdge Server from Nagios Core to view the actual controller instance.

Issue 4(98517):

Description:

Discovery of Dell EMC PowerEdge 14G 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:

Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core.

Limitations

The following are the limitations for this release of Dell EMC OpenManage Plug-in for Nagios Core:

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

Installation Prerequisites

For the installation prerequisites, see the "Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core Installation Guide" at dell.com/openmanagemanuals

Installation Instructions

For installation or update related information, see the "Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core Installation Guide" at dell.com/openmanagemanuals

Installation and Configuration Notes

For installation and configuration related information, see the "Dell EMC OpenManage Plug-in Version 3.0 for Nagios Core Installation Guide" at dell.com/openmanagemanuals

Accessing documents from the Dell EMC support site

You can access the required documents using the following links:

- For Dell EMC Enterprise Systems Management documents — **Dell.com/SoftwareSecurityManuals**
- For Dell EMC OpenManage documents — **Dell.com/OpenManageManuals**
- For Dell EMC Remote Enterprise Systems Management documents — **Dell.com/esmmanuals**
- For iDRAC and Dell EMC Lifecycle Controller documents — **Dell.com/idracmanuals**
- For Dell EMC OpenManage Connections Enterprise Systems Management documents — **Dell.com/ OMConnectionsEnterpriseSystemsManagement**
- For Dell EMC Serviceability Tools documents — **Dell.com/ServiceabilityTools**
- a   Go to **Dell.com/Support/Home**.

  b   Click **Choose from all products**.

  c   From **All products** section, click **Software & Security**, and then click the required link from the following:
    – **Enterprise Systems Management**
    – **Remote Enterprise Systems Management**
    – **Serviceability Tools**
    – **Dell Client Command Suite**
    – **Connections Client Systems Management**

  d   To view a document, click the required product 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.