

Dell OpenManage Plug-in version 1.0 for Nagios XI

Release Notes

This document describes the features and known issues and resolutions in Dell OpenManage Plug-in version 1.0 for Nagios XI.

Release Type and Definition

Dell OpenManage Plug-in version 1.0 for Nagios XI

Dell OpenManage Plug-in version 1.0 for Nagios XI provides capabilities to monitor 12th and later generations of Dell PowerEdge servers through an agent-free method using Integrated Dell Remote Access Controller (iDRAC) with Lifecycle Controller, Datacenter Scalable Solutions, Dell chassis and Dell storage devices in the Nagios XI console. This plug-in provides comprehensive hardware-level visibility including overall and component-level health monitoring of Dell PowerEdge servers through SNMP and WS-MAN protocols, Dell chassis through WS-MAN protocol and Dell storage through SNMP protocol. This plug-in provides basic information about the Dell devices and its components and also monitors the events that are generated from the Dell devices. This plug-in also supports one-to-one web console launch for iDRAC, Chassis, and storage devices to perform further troubleshooting, configuration, and management activities.

Version

1.0

Release Date

July 2016

Previous Version

NA

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.



Platform(s) Affected

For the list of supported platforms, see the section "Support Matrix" in the "Dell OpenManage Plug-in Version 1.0 for Nagios XI User's Guide" at Dell.com/openmanagemanuals.

What is Supported

Dell OpenManage Plug-in Version 1.0 for Nagios XI is supported on Nagios XI version 5.2.0 upto 5.2.7. For the list of supported software, operating systems, and other requirements, see the section "System requirements" in the "Dell OpenManage Plug-in Version 1.0 for Nagios XI Installation Guide" at Dell.com/openmanagemanuals.

What's New

The release highlights of Dell OpenManage Plug-in for Nagios XI are:

- Dell OpenManage Configuration Wizard
 - Automate the monitoring configuration for Dell PowerEdge Servers, Chassis, and Storage devices using the simple and guided step-by-step wizard.
 - Associate basic services as well as detailed services that need to be monitored with the Dell device hosts and host-groups.
- Discover and monitor following Dell devices:
 - 12th and later generations of Dell PowerEdge servers
 - Dell Datacenter Scalable Solutions (DSS)
 - Dell PowerEdge M1000e, Dell PowerEdge VRTX, and Dell PowerEdge FX2/FX2s chassis
 - Dell EqualLogic PS-Series Storage Arrays
 - Dell Compellent Storage Arrays
 - Dell PowerVault MD 34/38 Series Storage Arrays
- Provide basic system information including component-level details for the following Dell devices:
 - 12th and later generations of Dell PowerEdge servers
 - Dell Datacenter Scalable Solutions (DSS)
 - Dell PowerEdge M1000e, Dell PowerEdge VRTX, and Dell PowerEdge FX2/FX2s chassis
 - Dell EqualLogic PS-Series Storage Arrays
 - Dell Compellent Storage Arrays
 - Dell PowerVault MD 34/38 Series Storage Arrays
- Monitor health of the following components of the supported Dell devices:
 - Fan, Battery, Physical disk, Virtual disk, Network device, Intrusion, and so on for Dell PowerEdge servers.
 - Power Supply, Fan, I/O, Slot, and KVM of the supported Dell chassis.
 - Enclosure, Controller, Physical Disk, and Virtual Disk of Dell PowerEdge VRTX Chassis.
 - PCIe of Dell PowerEdge VRTX and PowerEdge FX2/FX2s chassis.
 - Member Physical Disk, Storage Pool, and Group Volume of Dell EqualLogic PS-Series Storage Arrays.
 - Physical Disk and Volume of Dell Compellent Storage Arrays.

- View and monitor warranty information for all the supported Dell devices.
- Monitor SNMP alerts and events generated from the supported Dell devices.
- View Knowledge Base (KB) information of the following Dell devices corresponding to an SNMP alert or event for faster troubleshooting:
 - 12th and later generations of Dell PowerEdge servers
 - Dell PowerEdge M1000e, Dell PowerEdge VRTX, and Dell PowerEdge FX2/FX2s chassis
 - Dell EqualLogic PS-Series Storage Arrays
- Launch the following web consoles from Nagios XI to perform further troubleshooting, configuration, or management activities:
 - Integrated Dell Remote Access Controller (iDRAC) Web Console of Dell PowerEdge Servers
 - Dell Chassis Management Controller (CMC) Console
 - Dell EqualLogic Group Manager Console
 - Dell Compellent Storage Manager Console

Fixes

NA

Important Notes

To visit Dell TechCenter for accessing whitepapers, blogs, wiki-articles, videos, Product communities and forums, see: <http://en.community.dell.com/techcenter/systems-management/w/wiki/6277.dell-openmanage-plugin-in-for-nagios-xi>.

Known Issues and resolutions

• Issue 1

Description: If a Dell 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.

Version affected: Dell OpenManage Plug-in Version 1.0 for Nagios XI.

Resolution: If the default HTTPS port number (port 443) was changed, type `https:// [<CMC IPv6 address>]:<port number>` in the web browser, where `<CMC IPv6 address>` is the IPv6 address for CMC and `<port number>` is the HTTPS port number. Please note that you must enclose the IPv6 address in the parenthesis([]).

• Issue 2

Description: In "Dell 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 WS-MAN. The actual status will be shown correctly once there is any change in the health status of the Power supply.

Version affected: Dell OpenManage Plug-in Version 1.0 for Nagios XI.

Resolution: Launch the respective iDRAC console for the Dell PowerEdge Server host from the Nagios XI to view the Power Supply Roll up status.

- **Issue 3**

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

Version affected: Dell OpenManage Plug-in Version 1.0 for Nagios XI.

Resolution: Launch the respective chassis console for the Dell PowerEdge M1000e chassis host from the Nagios XI to view the "FabricType".

- **Issue 4**

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

Version affected: Dell OpenManage Plug-in Version 1.0 for Nagios XI..

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

- **Issue 5**

Description: In "Dell 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.

Version affected: Dell OpenManage Plug-in Version 1.0 for Nagios XI.

Resolution: Upgrade iDRAC firmware version to 2.30.30.30 or above.

- **Issue 6**

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

Version affected: Dell OpenManage Plug-in Version 1.0 for Nagios XI.

Resolution: Upgrade iDRAC firmware version to 2.30.30.30 or above.

- **Issue 7**

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

Version affected: Dell OpenManage Plug-in Version 1.0 for Nagios XI.

Resolution: Upgrade iDRAC firmware version to 2.30.30.30 or above.

- **Issue 8**

Description: When Dell chassis is discovered using IPv6, then the RACADM specific attributes will be displayed as "Not Available" for the following services when RACADM version lower than 8.3.0 is installed:

- "Dell Chassis Fan Status" - Speed(RPM)

- "Dell Chassis Power Supply Status" - OutputPower(W), InputVoltage(V), and InputCurrent(A)
- "Dell Chassis IO Module Status" - Status

Version affected: Dell OpenManage Plug-in Version 1.0 for Nagios XI.

Resolution: Install RACADM version 8.3.0 or above in the system where Nagios XI and Dell OpenManage Plug-in is installed

Limitations

NA

Installation Prerequisites

For the installation prerequisites, see the section "System requirements" in the "Dell OpenManage Plug-in Version 1.0 for Nagios XI Installation Guide" at Dell.com/openmanagemanuals.

Installation Procedure

For installation related information, see the "Dell OpenManage Plug-in Version 1.0 for Nagios XI Installation Guide" at Dell.com/openmanagemanuals.

Installation and Configuration Notes

For installation and configuration related information, see the "Dell OpenManage Plug-in Version 1.0 for Nagios XI Installation Guide" at Dell.com/openmanagemanuals.

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.

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