Dell OpenManage Plug-in Version 2.0 for Nagios Core

Release Notes

Release Type and Definition

Dell OpenManage Plug-in version 2.0 for Nagios Core 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, Dell chassis and Dell storage devices in the Nagios Core 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:

2.0

Release Date:

October 2015

Previous Version:

1.0

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.

Platform(s) Affected

For the list of supported platforms, see the section "Support Matrix" in the "Dell OpenManage Plug-in Version 2.0 for Nagios Core User's Guide" at dell.com/openmanagemanuals.

What is supported?

Dell OpenManage Plug-in Version 2.0 for Nagios Core is supported on Nagios Core version 3.5.0 and later.

For the list of supported software, operating systems,and other requirements, see the "Dell OpenManage Plug-in Version 2.0 for Nagios Core Installation Guide" at dell.com/openmanagemanuals.

What's new?

Dell OpenManage Plug-in Version 2.0 for Nagios Core supports the following new features:

- Discover and monitor following Dell devices:

  - 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 the following Dell devices:

  - 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 Storage Arrays

- Monitor health of the following components of the supported Dell devices:

  - 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

- Provide warranty information of the supported Dell devices.

- Monitor SNMP alerts from all the supported Dell devices.

- View Alert Knowledge Base (KB) information of the following Dell devices corresponding to an SNMP alert 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 Core to perform further troubleshooting, configuration, or management activities:

  - Dell Chassis Management Controller (CMC) Console
  - Dell EqualLogic Group Manager Console
  - Dell Compellent Storage Manager Console

- Upgrade from previous Dell OpenManage Plug-in Version 1.0 to the current Dell OpenManage Plug-in Version 2.0 for Nagios Core.

Fixes

- In 'Dell Server Network Device Status' service, the connection status for some of the NIC instances are not available while monitoring using SNMP protocol.

- In 'Dell Server Battery Status' service, the actual reading value for some of the PERC batteries are not available while monitoring using SNMP protocol.

- iDRAC7 SNMPv2 test trap is not associated with the corresponding Dell device in the Nagios Core console.

- In 'Dell Server Overall Health Status' service, the overall health status of Power supply and Fan of the Dell PowerEdge FM120x4, FC630 server appears as UNKNOWN when Rack style monitoring is enabled in the Dell PowerEdge FX2 chassis and the server monitored using WS-MAN protocol.

- In 'Dell Server Fan Status' service, the FQDD value for some of the fans are not available when monitored using SNMP protocol.

- In 'Dell Server CPU Status' service, the overall health status of CPU appears as UNKNOWN after upgrading firmware version from 1.57.57 to 1.66.65 or downgrading firmware version from 1.66.65 to 1.57.57 on Dell PowerEdge R620 while monitoring using SNMP protocol.

- In 'Dell Server Amperage Probe Status' service where one of the instance's actual status is UNKNOWN, that instance will appear as CRITICAL instead of UNKNOWN and the Amperage reading will appear as zero while monitoring using SNMP protocol.

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-openmanage-plug-in-for-nagios-core.

Known Issues

Issue 1:

Description:

In 'Dell Server Voltage Probe Status', service where one of the instance's actual status is UNKNOWN, that instance will appear as CRITICAL instead of UNKNOWN while monitoring using SNMP protocol.

Version Affected:

Dell OpenManage Plug-in Version 2.0 for Nagios Core.

Issue 2:

Description:

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

Version Affected:

Dell OpenManage Plug-in Version 2.0 for Nagios Core.

Issue 3:

Description:

Whenever a chassis is configured with only Internet Protocol version 6 (IPv6) and discovered using the Host Name with a non-default port, then the chassis console will not launch.

Version Affected:

Dell OpenManage Plug-in Version 2.0 for Nagios Core.

Issue 4:

Description:

In "Dell Server Voltage Probe Status" service, some of the Voltage instances will be missing when Dell PowerEdge C6320 is discovered using WS-MAN protocol.

Version Affected:

Dell OpenManage Plug-in Version 2.0 for Nagios Core.

Issue 5:

Description:

In "Dell Server Overall Health Status" Service and "Dell Server Temperature Probe Status" service the Overall health status of temperature is shown incorrectly when CPU temperature is WARNING or CRITICAL, for an iDRAC7 or iDRAC8 device when it is discovered using SNMP protocol.

Version Affected:

Dell OpenManage Plug-in Version 2.0 for Nagios Core.

Issue 6:

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 device is discovered using SNMP protocol, and when Dell PowerEdge DSS1510 device is discovered using SNMP and WS-MAN protocol.

Version Affected:

Dell OpenManage Plug-in Version 2.0 for Nagios Core.

Issue 7:

Description:

When Dell chassis is discovered using IPv6, then the RACADM specific attributes such as Speed(RPM) in "Dell Chassis Fan Status", OutputPower(W), InputVoltage(V), and InputCurrent(A) in "Dell Chassis Power Supply Status" services will be shown as Not Available.

Version Affected:

Dell OpenManage Plug-in Version 2.0 for Nagios Core.

Limitations

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

- For the following Dell chassis firmware versions, the Dell Chassis Enclosure Status & Dell Chassis Slot Information will be shown as UNKNOWN in the Nagios Core console:

    - Dell PowerEdge M1000e Chassis version 5.0

    - Dell PowerEdge VRTX Chassis version 2.0

    - Dell PowerEdge FX2/FX2s Chassis version 1.2

Installation Prerequisites

For the installation prerequisites, see the "Dell OpenManage Plug-in Version 2.0 for Nagios Core Installation Guide" at dell.com/openmanagemanuals

Installation Instructions

For the installation prerequisites, see the "Dell OpenManage Plug-in Version 2.0 for Nagios Core Installation Guide" at dell.com/openmanagemanuals

Installation and Configuration Notes

For installation and configuration related information, see the "Dell OpenManage Plug-in Version 2.0 for Nagios Core 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. Visit www.dell.com/support.

2. Select your support category.

3. If you are not a U.S. customer, select your country code at the bottom of the www.dell.com/support page, or select All to see more choices.

4. Select the appropriate service or support link based on your need. From Dell Support site access the required documents as follows:–

Go to dell.com/support/manuals.

In the "Tell us about your Dell system" section, under "No", select "Choose from a list of all Dell products" and click "Continue".

In the Select your product type section, click "Software and Security".

In the "Choose your Dell Software" section, click "Enterprise System Management".

To view the documents, click the required product version.

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