

# Dell EMC OpenManage Server Administrator Version 10.3.0.0 Release Notes

This document describes the new features, resolved issues, and known issues in OpenManage Server Administrator.

**Current Release Version:** 10.3.0.0

**Release Type:** Major (MA)

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## Revision history

**Table 1. Document revision history**

Document revision	Date	Description
A00	July 2022	Initial release

## Product description

Dell OpenManage Server Administrator (OMSA) provides a comprehensive, one-to-one systems management solution in the following two ways:

- From an integrated, web browser-based Graphical User Interface (GUI).
- From a Command Line Interface (CLI) through the operating system.

Server Administrator is designed for system administrators to manage systems locally and remotely on a network. It allows system administrators to focus on managing their entire networks by providing comprehensive one-to-one systems management.

This document contains updated information for the *Dell OpenManage Server Administrator User's Guide* and any other technical documentation included with Server Administrator.

 **NOTE:** System Management software, including the Server Administrator, is available only on the *Dell Systems Management Tools and Documentation* software.

For detailed user documentation, see the OpenManage Server Administrator support page at <https://www.dell.com/openmanagemanuals>.

## Priority and recommendations

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

## Supported web browsers

- Google Chrome version 92
- Google Chrome version 94
- Internet Explorer version 11
- Microsoft Edge
- Mozilla Firefox version 98
- Mozilla Firefox version 99
- Safari version 15.x

## Supported operating systems

- Microsoft Windows 2016
- Microsoft Windows 2019
- Microsoft Windows 2022
- Red Hat Enterprise Linux 8.6
- Red Hat Enterprise Linux 9.0
- SUSE Linux Enterprise Server 15 SP3
- Ubuntu Server 20.04.4
- VMware ESXi 6.7 U3
- VMware ESXi 7.0 U3

**NOTE:** For detailed information about supported hardware platforms, supported operating systems, storage controllers and firmware versions, see the *Dell EMC OpenManage Software Support Matrix* available in the required version of **OpenManage Software** at <https://www.dell.com/openmanagemanuals>.

## New features

**Table 2. New features in OpenManage Server Administrator 10.3.0.0**

Functional area	Feature description	Summary of benefits
Server Administrator	Oracle Java Runtime Environment 11.0.15 and Tomcat 9.0.63	Oracle Java Runtime Environment 11.0.15 and Tomcat 9.0.63 are bundled with Server Administrator.
Storage Management	Support for new NVMe drives	New supported NVMe drives are the following: <ul style="list-style-type: none"><li>• PCIe-SSD NVMe Samsung PM1733a/1735a Gen4 SP supported on all PowerEdge YX4X and PowerEdge YX5X generation of servers.</li><li>• Datacenter R.I. NVMe PCIe Gen4, U.2, 2.5" AGN (2nd Source - PM9A3) supported on all PowerEdge YX4X and PowerEdge YX5X generation of servers.</li><li>• Datacenter R.I. NVMe U.2 AGNOSTIC (Kioxia CD7) supported on all PowerEdge YX4X and PowerEdge YX5X generation of servers.</li></ul>
Storage Management	Support for new controllers	New supported controllers are the following: <ul style="list-style-type: none"><li>• HBA350i Mini Monolithic supported only on PowerEdge R640, R740xd, R6515, R7515, and C6420 servers.</li><li>• HBA350i Mini Mono Low Profile supported only on PowerEdge C6420, R740xd2, and R440XR2 servers.</li></ul>

**Table 2. New features in OpenManage Server Administrator 10.3.0.0 (continued)**

Functional area	Feature description	Summary of benefits
		<ul style="list-style-type: none"> <li>PERC H350 Mini Monolithic supported only on PowerEdge R640, R740, R6515, and R7515 servers.</li> <li>PERC H350 Mini Mono Low Profile supported only on PowerEdge C6420 and R440XR2 servers.</li> </ul>
Operating system	Support for new operating systems	New supported operating systems are the following: <ul style="list-style-type: none"> <li>Red Hat Enterprise Linux 8.6</li> <li>Red Hat Enterprise Linux 9.0</li> <li>Ubuntu Server 20.04.4</li> </ul>
Operating system	Support for client operating systems on Dell Precision R7920	Client operating systems supported on Dell Precision R7920 are the following: <ul style="list-style-type: none"> <li>Microsoft Windows 10 version 21H2</li> <li>Microsoft Windows 11 version 22H2</li> <li>Red Hat Enterprise Linux 8.6 client</li> <li>Ubuntu Desktop 20.04.4</li> </ul>
Network Interface Cards	Support for new Network Interface Cards	New supported Network Interface Cards (NIC) are the following: <ul style="list-style-type: none"> <li>Mellanox ConnectX-5 Dual Port 25 GbE SFP28 PCIe Adapter</li> <li>Marvell QLogic 2x32Gb QLE2772 FC HBA</li> <li>QLE2692 Dual Port 16 Gb FC to PCIe Gen3 x8 Adapter</li> <li>QLE2690 Single Port 16 Gb FC to PCIe Gen3 x8 Adapter</li> <li>Emulex LightPulse LPe31000-M6-D 1-Port 16 Gb Fibre Channel Adapter</li> <li>Emulex LightPulse LPe31002-M6-D 2-Port 16 Gb Fibre Channel Adapter</li> <li>Intel(R) Gigabit 4P I350-t Adapter</li> </ul>

For information about the series of your PowerEdge server, see [Identifying the series of your Dell EMC PowerEdge servers](#).

See the OpenManage Server Administrator product support pages on <https://www.dell.com/openmanagemanuals> for detailed user documentation.

## Resolved issues

**Table 3. Resolved issues in OpenManage Server Administrator 10.3.0.0**

Issue ID	Functional area	Description
139048	Command Log Size	When the <b>Command Log Size</b> value is modified on Server Administrator <b>Preferences</b> page as Local user, and logging into the same server via Server Administrator Managed System Login, then the changes of the attribute are not reflected in the <b>Preferences</b> page of Server Administrator Managed System Login.
208145, 207920	MegaRAID 12GSAS/PCIe Secure SAS38xx	The PERC H350 Mini, PERC H355 Adapter, PERC H355 Front, PERC H350 Mini, and PERC H350 Adapter are enumerated as <b>MegaRAID 12GSAS/PCIe Secure SAS38xx</b> under the <b>Slots</b> page, in the Server Administrator.
198013	DWS to Windows 2022 Systems	From any system, the Server Administrator is unsuccessful to connect to the Server Administrator Web server (DWS) which has Windows 2022 operating system.
103150	Storage tree does not display the Enclosure ID	On PowerEdge R940XA with dual backplane, the <b>Storage</b> tree does not display the <b>Enclosure ID</b> intermittently during insertion or removal of multiple drives.
112768	Intel NVMe P4800x devices	On systems running SUSE Linux Enterprise 15.0 operating system, the device protocol of Intel NVMe P4800x devices display NVMe 0.0 instead of NVMe 1.0.

**Table 3. Resolved issues in OpenManage Server Administrator 10.3.0.0 (continued)**

Issue ID	Functional area	Description
132214	Managed preserved task	Few minutes delay occurs while disabling the <b>Manage Preserved Cache</b> task from the task list, after clicking <b>Discard Preserved Cache</b> .
165785	Read-write policy on S130	On S130 and later controllers, any change in read and write policy values while creation of virtual disks does not reflect on virtual disk.
169111	Partial RAID 10 virtual disk	On a partial RAID 10 virtual disk creation through Create virtual disk-advanced wizard, the drive selection list that is displayed may not be similar to the actual physical drive associated with the spans.
168698	Enumeration on ESXi	Read Only Write-Protected drive does not enumerate on systems running ESXi operating systems.
179687	Initialization error	If NVMe drive with initialization error is connected, then that slot does not enumerate in slot occupancy report and total slot count is less.
200121	Core dumps generated while stopping the dcim service	If PERC 310 controller is present in the server, then OpenManage generates a core dump while stopping the dcim service. The dcim service stops at several other instances such as upgrading OpenManage, uninstalling OpenManage, and so on.
202892	Virtual disk still shows online after deletion	If virtual disk is created using <b>Spun Down</b> drives and later when virtual disk is deleted on a cabled drive supported server, then the state of physical devices which were part of that virtual disk still shows as online.
206122	Operating system details in Server Administrator	On Dell Precision R7920, the Windows 11 operating system enumerates as Windows 10 in Server Administrator CLI and UI.
214565	Subject Alternative Name (SAN) field in the Certificate Signing Request (CSR) page	The <b>Subject Alternative Name (SAN)</b> field is missing in the Certificate Signing Request (CSR) page, while creating a CSR using <b>Certificate Maintenance</b> option in Server Administrator.

## Known issues

This section provides information about open issues and workaround or resolutions with this release of Server Administrator.

### Known issues in Server Administrator on all operating systems

The table lists known issues in Server Administrator that are applicable to on all the supported operating systems.

**Table 4. Known issues in Server Administrator 10.3.0.0 on all supported operating systems**

Issue ID	Functional area	Description	Workaround/Resolution
Not available	The omreport command	After installing Server Administrator from the command prompt, typing an <code>omreport</code> or <code>omconfig</code> command from the same prompt can cause an error.	Open a new command prompt window and type commands.
Not available	Error on Command Log page	If the command log page in the Server Administrator UI displays an error message indicating that the XML is malformed, you must clear the command log from the CLI using the <code>omconfig system cmdlog action=clear</code> command.	Not available
DF384362	Redundancy Status	<b>Redundancy Status</b> displays as <b>Not Applicable</b> in ESXi even when NICs are teamed. On VMware ESXi systems, NIC teaming status may not display up in	Not available

**Table 4. Known issues in Server Administrator 10.3.0.0 on all supported operating systems (continued)**

Issue ID	Functional area	Description	Workaround/Resolution
		the Server Administrator network section. This is an expected behavior due to the operating system limitation and has no functional impact to the system.	
DF531509	Blank OMSA password	The setup and/or system password configuration from the Server Administrator UI or CLI is successful, but the password is displayed as blank instead of asterisk (*) on the F2 BIOS page.	Not available
BITS086423	Support link on the Preferences page	After an upgrade to the current version, Server Administrator does not retain the support link information about the <b>Preferences</b> page.	Not available
BITS040184	iDRAC user privileges	User in iDRAC user authentication page showing operator privilege(iDRAC user privileges) is displayed as Custom in Server Administrator.	Not available
Not available	BIOS Setup	On clicking the Apply button twice on the <b>BIOS Setup</b> page, the Server preference page and SNMP configuration page, the Server Administrator logs out from the current session.	Not available
Not available	Device Driver Modules	By default, OpenManage Server Administrator trusts the device driver modules that are provided by the operating system and signed by the operating system vendors.	Not available
Not available	Reset to Defaults	After a <b>Reset to Defaults</b> operation of the iDRAC, the first user configuration, operation fails if it is a single-user configuration item (such as enabling or disabling a user or changing username).	Always change a combination of two-user configuration items (such as enabling or disabling a user and changing username) concurrently during your first configuration operation.
Not available	XML parsing errors	Typing <code>omreport system esmlog/alertlog/cmdlog -fmt tbl</code> command on the CLI results in XML parsing errors if the size of the log is large. Use the UI or the <code>omreport system esmlog/alertlog/cmdlog</code> CLI command to view the contents of the log.	Not available
Not available	Complex CLI commands	For complex <code>omconfig</code> CLI commands that contain multiple set commands in one command line, the CLI may report a success status for the command even if a part of the command failed.	To avoid this issue, run only one command per command line. The current settings can be confirmed by performing the corresponding <code>omreport</code> command.
Not available	Illegal combination of parameters	Some complex <code>omconfig</code> CLI commands that contain multiple set operations have been modified to avoid the above problem. While running a CLI command if the message, <b>Error! Illegal combination of parameters</b> is displayed, modify your command into several simpler commands. Each command should change only one setting.	Not available

**Table 4. Known issues in Server Administrator 10.3.0.0 on all supported operating systems (continued)**

Issue ID	Functional area	Description	Workaround/Resolution
Not available	Configure BIOS settings	After configuring BIOS settings on certain systems, a second reboot is required for the Server Administrator to display the updated BIOS settings properly.	Not available
Not available	Invalid root certificate	If you import an invalid root certificate into Server Administrator from <b>Preferences &gt; General Settings &gt; Web Server &gt; X.509 Certificate</b> , and try to log in to the application after restarting the Web server, a blank page is displayed.	<p>To fix this issue, restore your original <code>keystore.db</code> file before importing a valid root certificate. To restore the <code>keystore.db</code> file, use both the basic operating system commands and the Server Administrator Command Line Instrumentation (CLI).</p> <p>Perform the following steps from your operating system command line:</p> <ol style="list-style-type: none"> <li>1. Type <code>omconfig system webserver action=stop</code></li> <li>2. Locate the <code>keystore.db.bak</code> file. The default path is <code>C:\program files\dell\SysMgt\apache-tomcat\conf</code>.</li> <li>3. Copy <code>keystore.db.bak</code> to <code>keystore.db</code></li> <li>4. Type <code>omconfig system webserver action=start</code></li> </ol>
Not available	Temperature drop below threshold	A temperature drop below a minimum failure threshold does not cause a system reset even if this alert action is set.	Not available
Not available	Boot sequence	Selecting the boot sequence under the BIOS <b>Setup</b> tab does not reenable boot devices that have been disabled in the System Setup Program earlier.	Not available
Not available	Unsecured HTTP requests	All unsecured HTTP requests to Server Administrator receive an invalid response. Server Administrator runs only one instance of the Web server, which is secure. Make all connections through <b>https://&lt;ip address&gt;: &lt;port number&gt;</b> . Any <b>http://&lt;ip address&gt;: &lt;port number&gt;</b> request for connection with the server receives an invalid response.	Not available
Not available	Temperature in whole numbers	On some systems, temperature probe values and settings are only supported for whole degrees, not tenths of a degree. On those systems, setting a fractional value for the minimum warning temperature threshold results in the set value being rounded off to the next whole number value. This behavior may cause the minimum warning threshold to have the same value as the minimum failure threshold.	Not available
Not available	Session Management	If you close the browser using the <b>Close</b> button on the browser or log off from the	Not available

**Table 4. Known issues in Server Administrator 10.3.0.0 on all supported operating systems (continued)**

Issue ID	Functional area	Description	Workaround/Resolution
		operating system, the Server Administrator session is not terminated. This session is listed in the Session Management page until the session time-out occurs, or DSM SA connection service is restarted, or the operating system reboot.	
Not available	Operating system time zone	If you change the operating system Time Zone to a new time zone, Server Administrator session management does not display the time in the new time zone specified.	Restart Server Administrator to display the accurate time for the time zone in the Session Management page.
DF152755	OMSA UI response	The Server Administrator UI does not respond when the alerts log has many events. If the Alert Log contains several entries and if you try to navigate to another page, the Server Administrator UI may take about 30 seconds to display the content.	Not available
DF172125	Power monitoring probes	Power monitoring probes are displayed on certain systems that do not support power monitoring. On certain systems that do not support power monitoring, Server Administrator reports the two platform event filters related to a power monitoring as <b>System Power Probe Warning</b> and <b>System Power Probe Failure</b> . These two filters are not supported on these systems. That is, you can view and configure these filters, but no action is taken.	Not available
Not available	Simultaneously logging into multiple browsers using SSO	Due to some limitations, you cannot log in simultaneously to multiple browsers instances/tabs using SSO login, as only one session remains active while the other sessions expire.	Not available
DF549057	BIOS attributes as read-only	When an operating system is installed through USC, the BIOS attributes in Server Administrator are displayed as read-only. You can edit the BIOS attributes 18 hours after the operating system installation.	To enable editing of the Server Administrator BIOS attributes, launch Lifecycle Controller while booting.
BITS040169	Boot/HDD/UEFI sequence	In case of Boot/HDD/UEFI sequence, if they are read-only, then toggle buttons (+ and -) and submit button are not visible. On the BIOS setup page, dependencies may exist between the various attributes for BIOS settings. Setting an attribute value may change the state of the dependent attributes to noneditable or editable. For example, changing the Boot Mode to Unified Extensible Firmware Interface (UEFI) from the Boot Settings page does not allow you to configure the Boot or Hard-Disk Drive Sequence in the BIOS Boot Settings page. When the page is noneditable, the toggle buttons on the page allow toggling the order of the boot sequence. However, settings cannot	Not available

**Table 4. Known issues in Server Administrator 10.3.0.0 on all supported operating systems (continued)**

Issue ID	Functional area	Description	Workaround/Resolution
		be configured since <b>Apply</b> button is not available to submit the settings.	
Not available	Restore the previous certificate	If a new certificate imported to Server Administrator is not active after restarting the web server, restore the previous certificate.	<p>To restore the previous certificate, do the following:</p> <ol style="list-style-type: none"> <li>1. Stop the web server.</li> <li>2. Perform one of the following as applicable: <ul style="list-style-type: none"> <li>• On systems running Windows: <ul style="list-style-type: none"> <li>○ Delete the file <code>keystore.db</code> at <code>&lt;installed directory&gt;\Dell\Sy sMgt\apache-tomcat\conf\</code></li> <li>○ Rename the file <code>keystore.db.bak</code> at <code>&lt;installed directory&gt;\Dell\Sy sMgt\apache-tomcat\conf\</code> to <code>keystore.db</code></li> </ul> </li> <li>• On systems running Linux: <ul style="list-style-type: none"> <li>○ ■ Delete the <code>keystore.db</code> file at <code>/opt/dell/srvadmin/lib64/openmanage/apache-tomcat/conf</code></li> <li>■ Rename the <code>keystore.db.bak</code> at <code>/opt/dell/srvadmin/lib64/openmanage/apache-tomcat/conf</code> to <code>keystore.db</code></li> </ul> </li> </ul> </li> <li>3. Start the web server.</li> </ol>
112708	Memory critical error	<p>Memory critical error not clearing from OMSA even after replacing the DIMM and clearing SEL logs.</p> <p>If a dual-inline memory module (DIMM) generates errors, memory states of the DIMMs are not automatically cleared even after the failing DIMM in that slot is replaced.</p>	<p>The command to clear the memory error is <code>dcicfg command=clearmemfailures</code>. The binary <code>dcicfg</code>, needed to launch the command from a shell command, is included in the OpenManage Server Administrator (OMSA) suite.</p>
131581	Unresponsive OMSA when iDRAC is Reset to Default	Open Manage Server Administrator Services are unresponsive when Integrated Remote Access Controller (iDRAC) is rebooting or when Reset to Default is in progress.	Not available
148035	vFlash support	On Server Administrator, vFlash is not supported from YX5X generation of servers and above.	Not available

**Table 4. Known issues in Server Administrator 10.3.0.0 on all supported operating systems (continued)**

Issue ID	Functional area	Description	Workaround/Resolution
148988	non-ASCII characters	While logging to the Server Administrator UI, the login may fail if the password contains the non-ASCII characters. For example, Euro symbol €.	Not available
158772	OMSA de-brand settings	On a de-branded Server, if Server Administrator services are not running, the omreport command line utility and the Server Administrator UI defaults to display the Server as a Dell EMC Server. This occurs as the server is unable to access the de-brand settings of the Server Administrator.	Not available
162678, 163534	OMSA memory event	The memory event on the Server Administrator alert log displays the corresponding alert more than once occasionally.	Not available
161422	OMSA keysigning	On generation of the certificate on the Server Administrator UI, keysigning algorithm preference is disabled. If an attempt is made through the Server Administrator CLI to configure a different keysigning algorithm, a return code of success is displayed but does not reconfigure. The keysigning algorithm remains the same as the one with which the certificate was generated.	Not available
182493	Adapter properties information	On the Server Administrator UI slots page, the adapter properties information is shown as "Not Obtained. This is a known issue in Server Administrator.	To get these values, refer to either the Card documentation or iDRAC interface.
186602	Alert timestamp	When two or more alerts are intermittently generated but with the same timestamp, then the order in which they are listed in the logs may not be sequential.	Not available
196519	Importing PKCS#7 certificate using OMSA CLI	There is no CLI command available to upload PKCS#7 certificate chain using OMSA CLI.	In OMSA UI: <ol style="list-style-type: none"> <li>1. Go to <b>Preferences &gt; General Settings &gt; X.509 Certificate page</b>.</li> <li>2. Select <b>Import a certificate chain</b> and click <b>Next</b>.</li> <li>3. Select the PKCS#7 file and click <b>Import</b>.  The file is imported successfully, and asks to Activate the new certificate.</li> <li>4. Restart the web server to activate the new certificate</li> </ol>
192275	Unable to change the IntNic1Port1BootProto BIOS option	Server Administrator is unable to change the BIOS setup option, IntNic1Port1BootProto in YX4X PowerEdge Servers with legacy BIOS because of the BIOS limitations.	Use the RACADM utility to change the LegacyBootProto of the associated NIC.

**Table 4. Known issues in Server Administrator 10.3.0.0 on all supported operating systems (continued)**

Issue ID	Functional area	Description	Workaround/Resolution
200265	SSL Protocol configuration is set to TLSv1.1	Server Administrator fails to respond, if SSL Protocol configuration of the web server is set to TLSv1.1. Because the TLSv1.1 option is disabled by default from JRE 11.0.11 and later.	Do not explicitly set SSL protocol to TLSv1.1 after fresh installation.  While upgrading, ensure that SSL protocol is set to the default option <b>TLSv1.1, TLSv1.2</b> .
210260	Deleting SSL ciphers in Server Administrator Web Server	The Server Administrator UI is unsuccessful to load, when all the SSL ciphers are deleted (or cleared) in OMSA Web Server Preferences settings and the Web Server restarts.	Not available
230627	Connecting Server Administrator Web Server (DWS) to RHEL9.0 operating systems	The Server Administrator Web server (DWS) feature is not functional to manage RHEL 9.0 node. On any supported systems with Server Administrator installed, the Server Administrator Web server (DWS) is unsuccessful to connect to RHEL 9.0 operating system running with <b>Remote Enablement</b> installed and <b>Login failed connection timeout</b> message is displayed.	To use Server Administrator, install Server Administrator UI or CLI on the RHEL 9.0 Managed Node.
229356	Server Administrator	On YX4X and earlier servers, an inconsistency is observed in memory alert logs between iDRAC and OMSA, for the following memory hardware event: The system memory has uncorrectable multi-bit memory errors in the non-execution path of memory device at the location DIMM_A1. Immediately replace the DIMM. On the iDRAC Lifecycle Log, the MessageID is correctly displayed as <b>MEM9072</b> . However, Server Administrator Alert Log, operating system log, or SNMP trap displays MessageID as <b>MEM7199</b> and <b>MEM6004</b> for the same memory event.	See iDRAC Lifecycle log for further actions.

## Known issues in Server Administrator on Microsoft Windows operating systems

**Table 5. Known issues in Server Administrator 10.3.0.0 on Microsoft Windows operating systems**

Issue ID	Functional Area	Description	Workaround/Resolution
Not available	Active Directory group	You may not have appropriate privileges on the Server Administrator UI if you belong to an Active Directory group that is part of another group.	Try to launch Server Administrator using the desktop icon when single sign- on is enabled.
BITS080169	Documentation for PSU alerts	Documentation for Power Supply unit alerts mentions only AC power supply units, but the alerts are valid for both AC and DC power supply units.	Not available
DF551365	Network adapters for VMs	Server Administrator does not display the IP Address for Network Adapters that are used for virtual machines.	Not available

**Table 5. Known issues in Server Administrator 10.3.0.0 on Microsoft Windows operating systems (continued)**

Issue ID	Functional Area	Description	Workaround/Resolution
		<p>In a Microsoft Hyper-V environment, the Server Administrator Network page may indicate network adapters that are connected to a network and display Ethernet statistics but, the IP address is displayed as 'Unknown'. This is because Hyper-V virtualizes adapters that are bonded to its virtual switch. The Server Administrator only discovers physical network adapters and displays their IP addresses that are fully controlled by the operating system and not by hypervisors.</p>	
DF94201	<p>Credentials on Microsoft Internet Explorer</p>	<p>When you double-click the Server Administrator icon on your desktop, a dialog box may appear, prompting you to enter credentials in Microsoft Internet Explorer for certain settings.</p>	<p>You can perform either one of the following workarounds:</p> <ul style="list-style-type: none"> <li>• You can cancel the dialog box and enter the credentials to access Server Administrator.</li> <li>• Enable SSO (Single Sign On) by changing the browser settings.</li> </ul> <p>To enable SSO on Internet Explorer:</p> <ul style="list-style-type: none"> <li>○ Cancel the dialog box.</li> <li>○ Go to <b>Tools &gt; Internet Options &gt; Security &gt; Trusted sites &gt; Custom Level</b>.</li> <li>○ Under <b>User Authentication Logon</b> option, change the settings to "Automatic logon with current username and password."</li> <li>○ Add the server URL to Trusted sites under <b>Tools &gt; Internet Options &gt; Security &gt; Trusted sites &gt; Sites</b>.</li> </ul>
139591	<p>Sequence to start OMSA services</p>	<p>When the DSM SA Event Manager service is still running, if DSM SA Data Manager service is restarted, duplicate alerts and pop-ups are generated.</p>	<p>The correct sequence is to stop DSM SA Event Manager service, restart DSM SA Data Manager service, and then start DSM SA Event Manager service.</p>
200748	<p>Connection Service memory space</p>	<p>The memory space associated with Connection Service that represents the Server Administrator web interface might increase gradually over a period.</p>	<p>Restart Connection Service to liberate the memory space.</p>
220302	<p>Setting alert actions in Windows Server to execute applications</p>	<p>The Interactive Services Detection required to execute applications from alert actions in the Server Administrator is not supported on Windows build 1703 or later.</p>	<p>Not available</p>
216515	<p>Launching the Server Administrator application desktop icon</p>	<p>On Windows host with hostname setting as 8 characters or 11 characters, the Server Administrator desktop icon (SSO) launching is unsuccessful in Google Chrome or Microsoft Edge browsers and the error <b>HTTP ERROR_401</b></p>	<p>Log in to the Server Administrator on the same Windows host <a href="https://localhost:1311">https://localhost:1311</a> using the log in credentials</p>

**Table 5. Known issues in Server Administrator 10.3.0.0 on Microsoft Windows operating systems (continued)**

Issue ID	Functional Area	Description	Workaround/Resolution
		(unauthorized client) is displayed. The issue is intermittent with 30% frequency.	

## Known issues in Server Administrator on Linux operating systems

**Table 6. Known issues in Server Administrator 10.3.0.0 on Linux operating systems**

Issue ID	Functional Area	Description	Workaround/Resolution
DF275424, DF332775	Windows MN from Linux	Domain users are unable to log in to Windows MN from Linux web server.  Negotiate authentication is not supported while remotely managing a Windows-based managed node from a Linux-based Server Administrator web server. If you run the Server Administrator web server on a Linux-based operating system and try to manage a remote Windows managed system as a domain user, a <code>login failed</code> message is displayed.	You can manage a Windows/Linux-based managed system remotely from a Windows-based Server Administrator Web server.
BITS119710	Windows credentials on Linux server	On Server Administrator, you cannot use Windows domain user credentials to manage a system running Linux. If you try to do, the following login failed message is displayed.  <pre>"systemd-udevd[XXXX] : Process '/bin/sh -c '[ -x /opt/dell/srvadmin/ sbin/dataeng.hotplug ] &amp;&amp; /opt/dell/srvadmin/sbin/ dataeng.hotplug pci'' failed with exit code 1.</pre> <pre>"systemd-udevd[XXXX] : Process '/bin/sh -c '[ -x /opt/dell/srvadmin/ sbin/dataeng.hotplug ] &amp;&amp; /opt/dell/srvadmin/sbin/ dataeng.hotplug usb'' failed with exit code 1.</pre>	Not available
193638	Authentication failure while logging in	On Linux operating systems, logging into a local node using the Manage Remote Node login page results in the following failure message: Authentication failure. For more information see Online help.	To log in to the local node, users must use the Manage Local Node login page.
215031	Alert action events	On Linux operating system, the CLI command <code>omconfig system alertaction event=watchdogasr execappath='/usr/sbin/om_alerts.sh "Watchdog ASR</code> displays the following error message for Storage Management	The CLI command is successful when backward slash (\) is used for the <code>execappath</code> instead of using forward slashes similar to <code>execappath=''\usr\sbin\om_alerts.sh'</code>

**Table 6. Known issues in Server Administrator 10.3.0.0 on Linux operating systems (continued)**

Issue ID	Functional Area	Description	Workaround/Resolution
		<p>events and system events: Error! XML Transformation failed.</p> <p>The error is displayed only in the Server Administrator CLI and not seen in the Server Administrator UI. This error is not affected in Microsoft Windows operating system.</p>	<p>The CLI command is successful when <code>execappath</code> is not given as an absolute path containing slashes similar to <code>execappath='om_alerts.sh'</code> (define PATH var to Binary dir).</p>

## Known issues in Server Administrator on Red Hat Enterprise Linux operating systems

**Table 7. Known issues in Server Administrator 10.3.0.0 on Red Hat Enterprise Linux operating systems**

Issue ID	Functional Area	Description	Workaround/Resolution
Not available	Kernel log messages when using RHEL	When starting Server Administrator from the Red Hat Enterprise Linux console, kernel log messages may appear.	<p>To avoid these messages, perform the following steps:</p> <ol style="list-style-type: none"> <li>1. Edit the <code>/etc/sysconfig/syslog</code> file and modify <b>KLOGD_OPTIONS</b> to <b>KLOGD_OPTIONS="-c 4"</b>.</li> <li>2. Restart <b>syslog</b> by executing <code>/etc/init.d/syslog restart</code>.</li> </ol>
Not available	AAC-ChardevOpen kernel driver message	For systems running a supported Red Hat Enterprise Linux operating system, kernel driver messages such as <b>AAC_ChardevOpen</b> may be displayed in the console at the login prompt. These messages are displayed in the console when the driver initialization is delayed by the installation of Server Administrator services and can be ignored.	Not available
Not available	Server Administrator SELinux	For systems running a supported Red Hat Enterprise Linux operating system with SELinux in enforcing mode and Server Administrator's SELinux policy installed, 'Execute application' alert actions might not work as intended due to restrictions by SELinux in enforcing mode. This is valid only for the users who have opted for Remote Enablement.	Not available
Not available	Update to RHEL 8.x or RHEL 9.x	When there is major update to an operating system version, for example, from RHEL 8.x to RHEL 9.x and then the OpenManage Server Administrator dependencies are updated based on the versions provided by the respective operating system.	Update your system software if any vulnerable versions are detected.
194716	Server Administrator SELinux	<p>For systems running RHEL with SELinux on enforcing mode, while installing Server Administrator's SELinux Policy, the following error message is displayed.</p> <p>Failed to resolve typeattributeset statement</p>	<p>The error message can be ignored. There is no functional impact to Server Administrator.</p>

**Table 7. Known issues in Server Administrator 10.3.0.0 on Red Hat Enterprise Linux operating systems (continued)**

Issue ID	Functional Area	Description	Workaround/Resolution
		<p>at /var/lib/selinux/targeted/tmp/modules/400/omsa_connsvc/cil:78 semodule: Failed!</p> <p>This issue is observed only when ipa-selinux package is not installed.</p>	
230606	Server Administrator SELinux policy	On systems running RHEL 9.0 operating system with SELinux, while installing and uninstalling the SELinux policy of Server Administrator, the following error message is displayed: uavc: op=load_policy lsm=selinux seqno=6 res=1.	The error message can be ignored. There is no functional impact to Server Administrator.
230625	Server Administrator Web Server (DWS)	On systems running RHEL 9.0 operating system, the DWS is unsuccessful to connect to any supported Server Administrator Managed Node and <b>Login failed connection timeout</b> message is displayed. This issue is applicable only when <b>Remote Enablement</b> is selected.	Not available

## Known issues in Server Administrator on VMware ESXi operating systems

**Table 8. Known issues in Server Administrator 10.3.0.0 on VMware ESXi**

Issue ID	Functional area	Description	Workaround/Resolution
DF277439	Persistence of Configuration and Log File Changes in VMware ESXi	<p>Persistence of Configuration and Log File Changes in VMware ESXi on systems running VMware ESXi, the file system is ramdisk.</p> <p>Modifications made to the files within the file system are not persistent after a reboot, with the exception of designated configuration and log files.</p> <p>These files are updated to the disk periodically and on system shutdown. If the system is reset without a graceful shutdown before the update to the designated configuration are made and before log files are updated to the disk, the changes are lost.</p>	Not available
DF354388	Remote OMSA Web Server connection	<p>Remote Server Administrator Web Server connection to a managed node stops responding, if a redundant virtual disk containing syslog dumps fails.</p> <p>If you configure the syslog to store logs in to a remote virtual disk (VD), and remove the remote VD without reconfiguring the syslog to a valid location, the Server Administrator web server screen stops responding.</p>	To continue using the Server Administrator web server, restart the management services on the managed node.

**Table 8. Known issues in Server Administrator 10.3.0.0 on VMware ESXi (continued)**

Issue ID	Functional area	Description	Workaround/Resolution
BITS072069	Unclear shutdown on ESXi	<p>On ESX/ESXi, Server Administrator configuration changes are not persisted after an unclear shutdown.</p> <ul style="list-style-type: none"> <li>If the server abruptly reboot, configuration changes to Server Administrator Preferences are not retained on VMware ESXi or ESXi. Once an hour, VMware runs a scheduled backup to update any configuration changes to the installed applications (VIBs).</li> </ul>	For more information, see the Knowledge Base article at <a href="http://Kb.vmware.com/kb/2001780">http://Kb.vmware.com/kb/2001780</a> .
BITS119710	Network controller ToE status	On systems running VMware ESXi, the TOE status of a network controller is not available.	Not available
Not available	Native drivers on OMSA	On VMware ESXi 5.5 and later versions, NIC cards using Native drivers display limited information about Server Administrator.	Not available
194043	OMSA Web Server	<p>The following error message is displayed in vmkernel log on servers running VMware ESXi while connecting to the Server Administrator from Server Administrator web server (DWS):</p> <pre>LinuxThread: 381: sfcb-dcim: Error cloning thread: -1 (bad0117)</pre>	The error message can be ignored because there is no functionality loss.
205713	Installing OpenManage Server Administrator using vSphere Lifecycle Manager (vLCM) Image-based method in vSphere Client (VC)	<p>On servers running VMware ESXi 7.0 U2, when installing OMSA using vSphere Lifecycle Manager (vLCM) image-based method in vSphere Client (VC), during remediation process, the following non-compliant error message is displayed in vSphere Client (VC).</p> <pre>A failure occurred when starting a host compliance check operation on host: Error: com.vmware.vapi.std.errors.internal_server_error Messages: com.vmware.esx.task.exec.error &lt;Failed to start the task. Please ensure the system has enough resources and retry.&gt;</pre> <p>However, OMSA is successfully installed on ESXi host.</p>	Reboot ESXi host and re-run the <b>Check Compliance</b> option in vSphere Client (VC) to resolve the non-complaint error message.

## Known issues in Storage Management Service

The known issues are applicable to Storage Management Service.

**Table 9. Known issues in Storage Management Service 10.3.0.0**

Issue ID	Functional area	Description	Workaround/Resolutions
Not available	Advanced Create Virtual Disk Wizard	With Chinese or Japanese language browser settings, using the Storage Management Service Advanced Create Virtual Disk Wizard may occasionally result in text overflowing to the bottom of the side-by-side blue text boxes.	Not available
Not available	Creating sliced span virtual disk is delayed	Creating many sliced span virtual disks using the spun-down drives through the command line or UI result may be delayed.	After creating one sliced span virtual disk, wait for some time to create the next sliced span virtual disk.
Not available	Virtual disk creation task	In the VMware ESXi 6.x environment, when you create a virtual disk using Storage Management, you may see an error message: The task cannot be completed. The VD creation task is completed, but the operating system may not be aware of the new VDs. However, the virtual disk is available for all operations on rebooting the system.	Not available
Not available	Hot plug of enclosures	Hot plug of enclosures takes time to enumerate the enclosure and its components. During this time, there is a delay in the response time of tasks, such as displaying the physical disks on the physical disk page and in the virtual disk selection page.	Not available
Not available	Import foreign configuration task is not successful	The <b>Import Foreign Configuration</b> task can only import virtual disks that have consistent data. A virtual disk with inconsistent data cannot be imported. When importing multiple virtual disks in a single operation, however, the <b>Import Foreign Configuration</b> task may report successful completion even when inconsistent virtual disks are present and have not been imported successfully.	<p>If the "Import Foreign Configuration" task is unable to import an inconsistent virtual disk, and then the physical disks that belong to the virtual disk continue to display a <b>Foreign</b> state after the <b>Import Foreign Configuration</b> task completes. In this case, repeat the <b>Import Foreign Configuration</b> task until one of the following occurs:</p> <ul style="list-style-type: none"> <li>• There are no longer any physical disks in <b>Foreign</b> state after the <b>Import Foreign Configuration</b> task completes.</li> <li>• You receive an error stating that the <b>Import Foreign Configuration</b> task has not completed successfully. This error indicates that there are no longer any consistent virtual disks available to be imported. All virtual disks that are not imported are inconsistent and you can either perform a <b>Clear Foreign Configuration</b> to remove the virtual disks or remove the physical disks from the controller.</li> </ul>
DF60696	Internet Explorer 9.x or 10.x	Storage Management responds slowly when using Internet Explorer 9.x or 10.x on a system with mixed SAS and SATA	Use a supported web browser other than Internet Explorer 9.x or 10.x or use the

**Table 9. Known issues in Storage Management Service 10.3.0.0 (continued)**

Issue ID	Functional area	Description	Workaround/Resolutions
		physical disks. When using the <b>Create Virtual Disk</b> wizard from the Storage Management user interface (UI), you may notice decreased performance when using Internet Explorer 9.x or 10.x on a system with multiple physical disks. The MD1400/MD1420 storage enclosures that are heavily populated with mixed SAS and SATA physical disks.	Storage Management command-line interface (CLI) to create the virtual disk. See the Dell EMC OpenManage Server Administrator Release Notes for information about supported browsers. See the Storage Management online Help or the "Server Administrator Command Line Interface User's Guide" for information about using the Storage Management CLI.
DF152362	Storage Management may not display controllers	Storage Management may not recognize the controller devices that are installed after Storage Management is already running.	If Storage Management does not recognize a newly added device and this problem has not been corrected with a Global Rescan, then reboot the system.
DF120475	Storage Management SNMP traps	Server Administrator allows you to filter SNMP traps that you do not want to receive. To implement SNMP trap filtering, select the <b>System tree &gt; Alert Management tab &gt; SNMP Traps</b> subtab. The <b>SNMP Traps</b> subtab has options for enabling and disabling SNMP traps based on severity or the component that generates the trap. Even when the SNMP traps are disabled, Storage Management generates SNMP traps.	SNMP trap filtering will be provided in a future release of Storage Management.
Not available	Advanced Create Virtual Disk	Using the Storage Management Service <b>Create Virtual Disk Advanced Wizard</b> may occasionally result in a vertical scrollbar of less than normal width. If this occurs, resizing the Server Administrator window causes the vertical scrollbar to be redrawn correctly.	Not available
BITS118226	NVMe devices	The representation of NVMe devices residing on backplanes that attach to PCIe Extender cards is inaccurate on Storage Management. This is because Storage Management does not have a process to understand the mapping of the NVMe device, backplane, and the PCIe Extender card. This issue exists only on PowerEdge R920 servers and does not impact the operations on the NVMe device. Multiple backplanes on Server Administrator indicate the presence of multiple PCIe Extender cards on the system.	Not available
Not available	Configuration of enclosures	On a PowerEdge server with maximum configuration of eight populated enclosures that are connected to the PERC hardware controller, the user can experience a delay in response. When Server Administrator storage commands such as Create Virtual Disk or Start check consistency are run, the delay in response can range 10–30 minutes.	Not available

**Table 9. Known issues in Storage Management Service 10.3.0.0 (continued)**

Issue ID	Functional area	Description	Workaround/Resolutions
BITS140465	Virtual disk of RAID	When the user tries to create another partial virtual disk of any RAID level, on an existing, but degraded disk group, Storage Management does not allow the user to perform this action. This limitation occurs because Storage Management does not support this functionality. However, this limitation is only observed on PERC hardware controllers.	The user can create a partial virtual disk during system restart using the CTRL+R configuration utility.
10452 (BITS236815)	PERC 9	Occasionally, the virtual disk creation process on PERC 9 hardware controllers may fail on UI and CLI.	Restart the server to resolve this issue.
BITS055347	VMware ESXi	On systems running the ESXi operating system, the <b>Device Name</b> for all virtual disks is displayed as <b>Not Available</b> . This is an expected behavior on systems running the ESXi operating system.	Not available
8321 (BITS220411)	Secure virtual disk	Unable to create Partial Secure virtual disk using the UI when all the available SEDs are selected.	This operation works if any other physical disk, which is not a part of any virtual disk, is connected.
11205 (BITS242664)	Status of Partial virtual disk	When a physical disk, which is a part of multiple partial virtual disks, is reinserted into the system, the status of the partial virtual disks will be displayed on Storage Management after a short delay.	Not available
8442 (BITS221272), 13988 (BITS257114)	Enclosure alerts	Few enclosure alerts such as Enclosure power on/off and Fan removal, does not appear if the enclosure is connected to the server using an HBA external controller.	Restart Data-Manager service to update component status.
10933 (BITS240247)	Displaying the device name	Storage Management does not display the Device name on a system where there are more than 300 virtual disks.	Not available
43557	Slot occupancy report	In Split Mode, Slot occupancy report displays inaccurate empty slots when there are no drives that are connected to the backplane. The report shows the message-empty slots interchanged between controllers. This issue occurs for the server with no drives that are attached to the backplane in split mode only. Slot occupancy report works fine as expected for servers with a minimum of one drive.	Not available
52091	Cryptographic erase operation	Cryptographic erase operation might take longer time to be visible in the drop-down list for the ISE Capable SATA SSDs after this operation is complete.	Not available
58147	BOSS-S1 and BOSS-S2 controllers	In the BOSS-S1 and BOSS-S2 controllers properties, slot ID is displayed as <b>Embedded</b> .	Not available
Not available	Prepare to Remove	If the background IO is in progress, <b>Prepare to Remove</b> operation for the NVMe devices may be unsuccessful.	Not available

**Table 9. Known issues in Storage Management Service 10.3.0.0 (continued)**

Issue ID	Functional area	Description	Workaround/Resolutions
71918	SAS controllers	On YX4X generation of PowerEdge servers when connected with two SAS 12 Gbps controllers in Slot 4 and Slot 5 and each controller is connected with separate MD1400 enclosure, both Enclosure EMMs are listed under "Connector 0" and no device is listed under "Connector 1." Slot-4 SAS 12 Gbps controller is connected with two redundant EMMs which are listed in "Connector 0." Slot-5 12 Gbps controller is also connected with two redundant EMMs, but both are listed under "Connector 0."	Not available
71919	SAS controllers	On YX4X generation of PowerEdge servers when connected with two SAS 12 Gbps controller in Slot4 & Slot5 and each controller is connected with separate MD1400 enclosure, with two redundant cables that are EMM0 & EMM1, then with redundant EMM both enclosures are listed for EMM0 & EMM1, but physical disks are not displayed for EMM1. Slot-4 SAS 12 Gbps controller is connected with two redundant EMMs – Here both EMMs are listed under "Connector 0," and for EMM0 physical Disk is listed and for EMM1 no physical disks are listed. Slot-5 SAS 12 Gbps controller is connected with single EMM (ie.EMM1) – Here one EMM0 is listed under "Connector 0," and for EMM1 physical Disk are listed.	Not available
76259	Dedicated hot-spare	EMMI alert description for Dedicated hot-spare assigned physical disk should contain meaningful alert description instead of the statement, <i>This alert is provided for informational purposes.</i>	Not available
94666	Non-RAID drives	For Non-RAID drives attached to SWRAID controller enumerates for virtual Disk layout as Non-RAID. Whereas on Storage Management UI, when you click virtual disk name the physical drives does not display as Non-RAID.	Not available
96670	sfcdb-watchdog	On systems running VMware operating systems if the sfcdb-watchdog is stopped abruptly before completion of the SNMP traps for storage task is logged. Semaphore leak is observed.	Run the sfcdb-watchdog until SNMP traps for storage task is completed.
97151	Negotiated speed	Full view of <b>Physical Disk</b> page in Server Administrator UI, the negotiated speed for a 6 Gbps drive capable speed is intermittently shown as 12 Gbps.	Not available
94842	storelibIR	Storage Management carries SHA1 signed library (storelibIR) in the current release.	Not available
104975	Fan speed	In Storage Management, Fan speed changes does not update dynamically.	Data manager service restart updates the latest fan speed.

**Table 9. Known issues in Storage Management Service 10.3.0.0 (continued)**

Issue ID	Functional area	Description	Workaround/Resolutions
106970	Change controller mode	After change controller mode operation is performed, two alerts that are generated have the same alert ID and description.	Not available
Not available	Controller information	If the controller name is not displayed in the alert message, check the controller information for mapping the controller ID and controller name.	Not available
103891	PSU removal	Duplicate alerts for power supply removal are displayed while enclosure power supply cable is removed.	Not available
103962, 101739	EMM removal alerts	The Storage Management displays the removal and insertion alerts intermittently on EMM for HBA controllers during physical drive hot-plug-out and hot-plug-in.	Minimum of six seconds gap is required between any hot-plug in or out operations.
104973	Enhanced mode	On enhanced mode, an alert is displayed as A Device is inserted in the enclosure for both Power unit and FAN inserted into enclosure. The message does not state the specific device inserted.	Not available
94890	Fully populated chassis	For fully populated chassis, the Storage Management system takes few minutes to load the storage components.	Not available
109008, 192253, 198228, 204509, 201162, 201111	Backplane enumeration	On a server with multiple independent backplane type such as SATA, PCIe, or Universal, when software RAID or PCIe SSD subsystem controller is connected to one of the backplanes, there is an invalid entry of an enclosure backplane enumerated in OMSS.  No operations and physical disks are enumerated for the invalid backplane.  The blink or unblink operation might be unsuccessful for physical disks and virtual disks on the backplane enumerated under software RAID controller.	Not available
98675	Hot-plugged devices	On Server Administrator page, a delay is observed on hot-pluggable devices when hot-plugged in or out on HBA 330 MMZ.	Not available
110132, 194288	Enclosure hot-plug	When the enclosure is hot plug to the HBA controller, in the alert log page an additional physical disk id is observed.	Not available
111625, 112746	Create or delete VDs on systems running ESXi	In a maximum configuration setup, that is eight enclosures connected to PERC H840 controller, while performing creating or deleting virtual disk operation multiple times with more than 160 physical drives on systems running ESXi, the core or virtual disk creation is unsuccessful.	Restart sfcdbd service.
108887	XML data generated	Intermittently malformed alert log displays the message XML Data generated for the selection made is not	Clear logs and restart the service.

**Table 9. Known issues in Storage Management Service 10.3.0.0 (continued)**

Issue ID	Functional area	Description	Workaround/Resolutions
		well formed on systems running ESXi operating system.	
119082	Multipath mode	On multipath mode, if clear redundant path option is performed immediately after removing the enclosure cable, few minutes of delay is observed on Server Administrator UI to refresh.	It is recommended to wait for the Redundant path broken alerts before performing the clear redundant path. If in case Server Administrator page delay is observed, wait for few minutes to return to the normal state page or restart the service.
120251	Orphan drive	For PERC 11 and earlier controller, the foreign physical disks connected to the system on reaching the maximum number of supported virtual disks by the controller is displayed on the Import <b>Preview</b> page as Orphan Drive.	Not available
128978	Import foreign configuration task is not successful	When there is unsuccessful virtual disk in the same controller, the <b>Import Foreign Configuration</b> on controller's task does not list the available degraded virtual disks to import, recover, or clear. The list can be observed after unsuccessful virtual disk deletion.	Not available
Not available	The Submit button	On UI if the submit button is clicked more than once an internal error may occur, but the task is performed successfully.	Not available
136314	NVMe device protocol	The NVMe device protocol for Intel NVMe P4800x devices is displayed as NVMe 1.1 instead of NVMe 1.0 on supported Linux distros .	Not available
147761	Blink and unblink operation is blocked for HHHH add-in card	Blink and unblink operation under virtual disk tasks in software RAID is blocked, if any of the participating physical disk is HHHH add- in card. Blink and unblink operation is also blocked for non-RAID HHHH add in card virtual disk.	Not available
149079	OMSS component versions	Storage Management Component's versions running on Ubuntu operating system is shown as OpenManage version whereas for other systems running on Linux operating systems like Red Hat Enterprise Linux or SLES version is displayed as Storage Management Service version in software summary page of Server Administrator.	Not available
Not available	Physical device part number	On BOSS controller, the unsuccessful alert for the physical drive part number is displayed as NULL.	Not available
125128	Import SEKM encrypted virtual disk	Importing an SEKM Encrypted virtual disk on a normal or non-SEKM setup, displays a blank page on Foreign Configuration Wizard.	Not available
Not available	PDR events	On PERC and HBA controllers PDR16, PDR51, PDR7, and PDR22 events are generated once in 24 hours.	Not available

**Table 9. Known issues in Storage Management Service 10.3.0.0 (continued)**

Issue ID	Functional area	Description	Workaround/Resolutions
Not available	PDR events	On PERC and HBA Controller use a single event PDR16 for the events PDR16 and PDR19.	Not available
151463	Slot occupancy report	On Linux operating system the slots occupancy report does not display the empty slot available for HBA330 controller.	Not available
153490	Slot occupancy report	On PowerEdge R7515 system with 8 SAS or SATA and 16 NVMe backplane configuration, the slot occupancy report for hardware PERC controller displays as 12 slots instead of eight slots that are connected to hardware PERC controller.	Not available
143512	EMM alert generation	The EMM alert generation is delayed if there are unsuccessful drives present in the enclosure.	Not available
Not available	Export log	Export log operation may be unsuccessful for failed state drive.	Not available
Not available	Unsuccessful drive enumeration	Part Number, Serial No, Product ID, Vendor ID, Firmware Revision, Subvendor ID, Model Number values may not enumerate for failed state drive.	Not available
162168 (CR)	Toshiba NVMe drive	Sometimes when the Toshiba NVMe drive on the software RAID controller is connected (and is part of a Virtual Disk), or a failed NVMe drive is present in the system. There can be multiple PDR211 alerts that are logged in the alert log page. The logs can lead to delayed of response on the UI.	Not available
161708	Data transfer on M.2 drives	If the data transfer is not performing on M.2 drives while performing hot-plug out operation, then after hot plug-in back the same, the virtual disk rebuild alert will not be generated. The virtual disk status changes from degraded to online.	Not available
Not available	PCIe subsystems	The <b>Device Name</b> field of NVMe drives is displayed as char device name on PCIe subsystems running on Linux operating.	Not available
165788	Predictive failure drives	Predictive failure drives on HBA controller display as ready state and the predictive failure alert is also not generated for such drives.	Not available
Not available	Auto-configure RAID 0	When the auto-configure RAID 0 task is performed on PERC 9, only HDDs that are currently in ready state changes to RAID 0. There is no change for SSDs.	Not available
165719	Storage Alert Log	A blank page of the Storage Alert Log is displayed when the Storage controller generates several alerts and cold boot performed together from iDRAC.	Delete dcsys64.xml and restart the services. The file path where the .xml file is available on systems running Microsoft Window operating system : C:\Program Files\Dell\SysMgt\omsa\log, on systems running ESXi operating system : /etc/cim/dell/

**Table 9. Known issues in Storage Management Service 10.3.0.0 (continued)**

Issue ID	Functional area	Description	Workaround/Resolutions
			srvadmin/var/log/openmanage/ and other operating systems : /opt/dell/srvadmin/var/log/openmanage/.
155954	Hot-plug-in multiple drives of MX5016s	While hot-plug-in multiple drives of MX5016s physically, wait for each insert alert to avoid the wrong enumeration.	Restart the Data manager service to get the updated enumeration.
Not available	Controller ID and name	If the controller name is not displayed in the alert message, check the controller information for mapping the controller ID and controller name.	Not available
92467	Dynamic mapping	The dynamic mapping of an enclosure for the first time also displays the unmapped enclosure for a short period. Refresh the Server Administrator page to remove the unmapped enclosure entries.	Not available
Not available	Polling interval	To determine the changes that are made on an enclosure that is connected to HBA 11 controller and later versions, the polling interval is set to five minutes. It takes approximately six minutes to generate an enclosure event report and update its properties. However, if a change it made to the enclosure environment status but reverted to the previous status within this predefined five minutes, then an event is not recorded. For example, if a fan is removed but installed back within five minutes, then an event is not recorded for this purpose.	Not available
94402	Alerts are not displayed	The alerts are not displayed when a physical disk is inserted or removed on enclosure MX5016s mapping or unmapping.	
186184, 187434	Enclosure alerts	If an enclosure is connected to HBA 355e controller, then some of the enclosure-related alerts such as EMM events, FAN events, PSU events Redundancy lost, Redundancy restored events are not generated.	Restart DataManager service to update a component status.
178110	Non-RAID drives	If non-RAID predictive failure drives are connected to enclosures, then the enclosure status may not always be indicated as READY.	Not available
175332	Operations are delayed or stopped responding	On Storage Management, operations may be delayed or may not respond for some time, whenever the physical disks or enclosures are inserted, mapped, removed, or unmapped from MX5016s.	Not available
Not available	BOSS-related alerts starts from number 0	When OpenManage Server Administrator (OMSA) is installed on a newly installed operating system, it starts reading BOSS-related alerts from sequence number 0. Hence, if there are any earlier events present in memory, then the OMSA	Not available

**Table 9. Known issues in Storage Management Service 10.3.0.0 (continued)**

Issue ID	Functional area	Description	Workaround/Resolutions
		regenerates those events. Performing LC wipe cannot clear the earlier events completely.	
Not available	Failed drive on HBA controller	When there is a failed drive on HBA controller, any storage-related task execution or the alert processing take more time.	Not available
191175	BOSS Console driver	If the BOSS Console driver is upgraded when OMSA is started, then you must restart the server to make the updated driver become effective	Not available
196564	Service Control Manager displays a 1053 error	On Windows operating system, if the DataManager service is either stopped or restarted before completing the enumeration of the storage tree, the Service Control Manager displays a 1053 error. Thus, as the result DataManager service stops responding, and the status is displayed as Stopping.	Restart the server
199921	Physical drive removal event is not logged	If a connection to an enclosure is terminated and a Communication Lost event (ENC18) for that enclosure is received, then the Physical Drive Removed event for all connected physical drives might not be logged.	Not available
188971	OMSS UI is unresponsive	The OMSS UI might not respond for sometime and enumeration might be incorrect, when the continuous I/O errors are reported on physical drives that are connected to an enclosure with SAS 12 Gbps HBA controller on Ubuntu 20.04.X operating system.	Not available
198990	Multipath enumeration is not updated	On HBA 355 external controller connected to Array584EMM or MD14XX enclosures, the multipath enumeration might not update intermittently, when the redundant path is disrupted.	Restart the OpenManage DataManager service.
Not available	Sanitize Cryptographic erase operation fails	When SEKM or third-party security software is enabled on Dell PowerEdge Servers, the Sanitize Cryptographic erase operation is unsuccessful on the processor-attached secured NVMe drives.	Not available
202961	Power status alert is not generated	Power status alert of physical device change from transition to SPUN up is not generating.	Not available
182213	Virtual disks creation is complete, but the operating system may not be aware of the new virtual disk	When you create virtual disks by using standby (spun-down) physical devices, the following message is displayed: The task cannot be completed. The VD creation task is completed but the OS may not be aware of the new VDs. However, the virtual disk is available for all operations on rebooting the system.	Not available

**Table 9. Known issues in Storage Management Service 10.3.0.0 (continued)**

Issue ID	Functional area	Description	Workaround/Resolutions
229641	Hot plug of Enclosure Management Module (EMM)	After performing EMM hot removal and hot insertion on PERC H840 controller, the EMM <b>State</b> is displayed as <code>Communication lost</code> .	Restart Data Manager service to update the EMM <b>State</b> .

## Limitations

**Table 10. Limitations in OpenManage Server Administrator 10.3.0.0**

Functional Area	Limitation
User privileges	The iDRAC user privileges and attributes have changed. Therefore, you will see a difference in Server Administrator and iDRAC user privileges and attributes. For more information about iDRAC user privileges and attributes, see the latest iDRAC User's Guide.
Server Administrator	On PowerEdge YX2X or later generation of servers with iDRAC7 1.30.30 and later versions, you can set the Platform Event Destination as IPv4 or IPv6.
Instrumentation Service	On PowerEdge YX1X or later server, if conflicting BIOS settings exist while configuring BIOS setup options through Server Administrator, the update attempt may fail at system reboot and none of the BIOS setup options may be updated. For example, when you configure Embedded SATA Controller to RAID and Boot Mode to UEFI simultaneously (UEFI does not support RAID option), the conflict prevents the BIOS configuration updates (at system reboot).
Instrumentation Service	On certain systems, user-defined thresholds set under Server Administrator become the default thresholds after uninstalling Server Administrator. If you change the threshold value of a probe on certain systems, running Server Administrator, and then uninstall Server Administrator, the changed threshold value becomes the default threshold value.
Instrumentation Service	While modifying the warning threshold settings, the values are stored in the firmware as discrete integer values and scaled for display. If the modified value is not a discrete integer, it may change when saved.
Instrumentation Service	Fan redundancy can have the following states: <ul style="list-style-type: none"> <li>● <b>Fully Redundant</b>—The sensors display this status if all the fans in the system are present and are in a nonfailed state.</li> <li>● <b>Redundancy Lost</b>—The sensors display this status whenever any system fan fails or is removed from the chassis.</li> </ul> If a system with memory redundancy enabled enters a <b>Redundancy Lost</b> state, it may not be clear which memory module caused it. If you cannot determine which DIMM to replace, see the <b>Switch to spare memory detected</b> log entry in the ESM system log to find the unsuccessful memory module.
Instrumentation Service	If you run Server Administrator when the system is in <b>OS Install Mode</b> , it may report the memory incorrectly. To avoid this issue, you must disable <b>OS Install Mode</b> before running the application.
Instrumentation Service	CMC USB ports attached to a blade are not enumerated by Server Administrator.
Instrumentation Service	Except for AC power cord traps, SNMP traps for server instrumentation are not generated when the state of the device sensor changes from unknown to normal.
Instrumentation Service	<b>BITS125071</b> : While migrating the chassis of PowerEdge M520, M620, or M820 server running Windows operating system from M1000e to VRTX chassis, reboot the server after the new drivers are detected and installed. If not, the DSM SA Data Manager service crashes on startup and OMSA is unsuccessful.
Remote Access Service	The Remote Access Service is available on supported systems only in this release. It enables remote access to a server that has lost its network connection or that has become unresponsive. In the current release of Server Administrator, the Remote Access Service uses Integrated Remote Access Controller (iDRAC).

**Table 10. Limitations in OpenManage Server Administrator 10.3.0.0 (continued)**

Functional Area	Limitation
Remote Access Service	On systems prior to PowerEdge YX1X server, Server Administrator slot page displays iDRAC information, but on PowerEdge YX2X or later generation of servers, the slot page does not display any iDRAC7 information.

## Environment and system requirements

For information about the environmental and system requirements for OpenManage Server Administrator 10.3.0.0, see the *Dell OpenManage Server Administrator 10.3.0.0 User's Guide* or the *Dell OpenManage Server Administrator 10.3.0.0 Support Matrix* available at <https://www.dell.com/openmanagemanuals>.

### Hardware requirements

- Minimum of 2 GB RAM
- Minimum of 512 MB free hard drive space
- Administrator rights
- Monitor with a minimum screen resolution of 800 x 600. The recommended screen resolution is at least 1024 x 768.

### Software requirements

- Supported operating system and web browser.
- Transmission Control Protocol (TCP) or Internet Protocol (IP) connection on the managed system and the remote system to facilitate remote system management.
- Supported systems management protocol standard. For more information, see *Dell Supported Systems Management Protocol Standards*.
- The OpenManage Server Administrator Storage Management Service requires Server Administrator to be installed on the managed system. For more information about the software and hardware requirements, see *Dell OpenManage Server Administrator Storage Management User's Guide*.


## Installation and upgrade considerations

This section provides information to enhance your experience with Server Administrator implementations and environments.

- To install Server Administrator on Windows Server Core operating system, Windows-on-Windows (WOW) mode must be enabled.
- Port 1311 is the default registered port number of Server Administrator. If another application is configured to run on port 1311 before Server Administrator is installed, the DSM SA Connection Service does not start after installation. Before you install Server Administrator, ensure that the port 1311 is not in use.
- Before starting Server Administrator, you must enable the client-side scripting in Internet Explorer.

To enable the client-side scripting, perform the following steps:

1. In Internet Explorer, navigate to the **Tools** menu.
2. Click **Internet Options**.
3. Click the **Security** tab.
4. Select the security zone of the system running Server Administrator.

 **NOTE:** This option must be set to **Trusted sites**.

5. Click the **Custom Level** button.  
The Security Setting dialog box is opened.
6. Perform the following in the Security Setting dialog box:

- a. In **Miscellaneous**, select the **Allow META REFRESH** option.
  - b. In **Active Scripting**, select the **Enable** option.
  - c. Under **Active scripting**, select the **Allow scripting of Microsoft web browser controls** option.
7. Click **OK** and restart your browser.
- To allow Single Sign-on for Server Administrator, perform the following steps:
    1. In Internet Explorer, navigate to **Tools**.
    2. Click **Internet Options**.
    3. Click the **Security** tab.
    4. Select **Trusted sites**.
    5. Click the **Custom Level** button.
    6. Under **User Authentication**, select the **Automatic Logon with current username and password** option. Click **OK** to exit the **Custom Level** window.
    7. Select the **Advanced** tab and in **HTTP 1.1 settings**, make sure **Use HTTP 1.1** is selected.
    8. Select **Trusted sites**. Click **Sites**. Add the server to the website.
    9. Click **Close**.
    10. Click **OK** and restart your browser.

- If you run a security scanner tool such as Nessus and the Server Administrator web server, security warnings may be displayed against port 1311, the port running the Server Administrator Web server. The warnings are investigated by engineering and are determined to be "false positives" (invalid security warnings) that you can ignore. The following are the warnings:
  - The web server on 1311 allows scripts to read the sensitive configuration and/or XML files.
  - The web server on 1311 allows to delete "/" which implies that the web server allows a remote user to delete the files in root on the server.
  - The web server on 1311 may be susceptible to a 'www Infinite Request' attack.
- It is possible to make the remote thttpd server execute arbitrary code by sending a request like: GET If-Modified-Since:AAA[...]AAAA

Solution: If you are using thttpd, upgrade to version 2.0. Otherwise, contact the vendor for a patch or change the web server. CVE on this one is CAN-2000-0359.

- Enabling Integrated Windows Authentication in Internet Explorer is not required to activate the Single Sign-On feature.
- The Server Administrator security settings are not applicable for Active Directory users. Active Directory users with read-only login can access Server Administrator, even if the access is blocked in the Server Administrator **Preferences** page.
- Dell SNMP MIB files for Dell systems allow you to obtain and verify information that is provided by supported software agents. The current MIB files that are supported by PowerEdge software agents are at `\support\mib` on the *Systems Management Tools and Documentation* DVD.
  - ① **NOTE:** A MIB-II-compliant, SNMP-supported network management station is required to compile and browse MIB files.
- OpenManage support for Encrypting File System (EFS): To improve security, Microsoft allows encrypting files using EFS.
  - ① **NOTE:** The Server Administrator does not function if its dependent files are encrypted.
- If you have to uninstall and reinstall the operating system SNMP service, then reinstall Server Administrator, so that the Server Administrator SNMP agents are registered with the operating system SNMP agent.
- Server Administrator UI and CLI Response Time

On 10th generation of PowerEdge servers or later, the response time for some components of the Server Administrator UI and CLI has increased to several seconds as Server Administrator does not cache some of the DRAC or iDRAC data. The data is retrieved from the DRAC or iDRAC when you request for it.

Following are the Server Administrator UI pages for which the response time may have increased:

- On Server Administrator home page, log in to **Remote Access > Users > Alert Management > Platform Events**

Following are the Server Administrator CLI commands for which the response time may have increased:

```
omreport chassis remoteaccess config=user
omreport system platformevents
```

```
omreport system pedestinations
```

The time variation depends on the hardware and the operating system.

- iDRAC also has its own CLI that is accessed through the **racadm** command. You can add **racadm** commands to a batch or script file to automate various user tasks. To limit the stress load on the managed system and RAC, add **sleep** or **delay** commands of one or two seconds between the individual **racadm** commands.
- Server Administrator Device Drivers for Linux: Server Administrator includes two device drivers for Linux, Systems - Management Base Driver (dcdbas) and BIOS Update Driver (dell\_rbu). Server Administrator uses these drivers to perform the systems management functions. Depending on the system, the application loads one or both of these drivers. These drivers are released as open source under the GNU General Public License v2.0. They are available in Linux kernels from kernel.org starting with kernel 2.6.14.

For complete installation instructions, see the *Dell EMC OpenManage Server Administrator Installation Guide*.

## Installation prerequisites for Storage Management

Storage Management does not display controllers and their features on systems that do not meet the driver and firmware requirements. At Storage Management runtime, you can determine whether the system meets the firmware requirement or not, by checking the application log files for notifications on outdated firmware. At runtime, on SCSI controllers, Storage Management displays the firmware version at runtime while on SAS controllers it displays the firmware and driver versions.

Detailed information on the Storage Management Service is available in the Storage Management Service Online Help. After installing and launching Server Administrator, you can access the Storage Management Service Online Help by selecting the Storage or tree object and clicking the **Help** button on the global navigation bar.

## Where to get help

The Dell Technologies Support site (<https://www.dell.com/support>) contains important information about products and services including drivers, installation packages, product documentation, knowledge base articles, and advisories.

A valid support contract and account might be required to access all the available information about a specific Dell Technologies product or service.

## Identifying the series of your Dell EMC PowerEdge servers

The PowerEdge series of servers from Dell EMC are divided into different categories based on their configuration. They are referred as YX2X, YX3X, YX4X, YX4XX, or YX5XX series of servers. The structure of the naming convention is described below:

The letter Y denotes the character in the server model number. The character denotes the form factor of the server. The form factors are listed below:

- C- Cloud
- F- Flexible
- M or MX- Modular
- R- Rack
- T- Tower

The letter X denotes the numbers in the server model number. The number denotes multiple characteristics about the server. They are listed as follows:

- The first digit (X) denotes the value stream or class of the server.
  - 1-5—iDRAC basic
  - 6-9—iDRAC Express
- The second digit denotes the series of the server. It is retained in the server naming convention and does not replace the letter X.
  - 0—series 10
  - 1—series 11
  - 2—series 12
  - 3—series 13
  - 4—series 14
  - 5—series 15
- The last digit (X) always denotes the make of the processor as described below:

- 0-Intel
- 5-AMD


**i** **NOTE:** For servers that use an AMD processor, the model number is made up of four digits instead of three. The third digit (X) denotes the number of processor sockets that the series of server supports.

- 1—one socket server
- 2—two socket server

**Table 11. PowerEdge servers naming convention and examples**

<b>YX3X servers</b>	<b>YX4X servers</b>	<b>YX4XX servers</b>	<b>YX5XX servers</b>
PowerEdge M630	PowerEdge M640	PowerEdge R6415	PowerEdge R6515
PowerEdge M830	PowerEdge R440	PowerEdge R7415	PowerEdge R7515
PowerEdge T130	PowerEdge R540	PowerEdge R7425	PowerEdge R6525

## 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.