

Dell SRM 5.1.1.0 Release Notes

Find information about upgrading to this release of Dell SRM: What's new, what's resolved, and any known issues and their workarounds.

Release Type: Service (SR)

Topics:

- [Revision history](#)
- [Product description](#)
- [New features](#)
- [Resolved issues](#)
- [Known issues](#)
- [Limitations](#)
- [Environment and system requirements](#)
- [Installation and upgrade considerations](#)
- [Where to get help](#)

Revision history

Table 1. Document revision history

Revision	Date	Description
A00	June 2025	Initial release of Dell SRM 5.1.1.0.

Product description

Dell SRM provides comprehensive monitoring, reporting, and analysis for heterogeneous block, file, and virtualized storage environments. It enables you to visualize applications to storage dependencies, monitor, and analyze configurations and capacity growth. It also optimizes the environment to improve return on investment.

Virtualization enables businesses of all sizes to simplify management, control costs, and guarantee uptime. However, virtualized environments also add layers of complexity to the IT infrastructure that reduce visibility and can complicate the management of storage resources. Dell SRM addresses these layers by providing visibility into the physical and virtual relationships to ensure consistent service levels. Dell SRM helps you ensure storage service levels while optimizing IT resources—both key attributes of successful cloud deployments.

New features

The following features were added in this release:

Table 2. New features in Dell SRM 5.1.x.x

Functional area	Feature description	Version
Supported Platform	Added support for the below platform versions: <ul style="list-style-type: none">• Dell PowerFlex 4.6.2• Dell PowerScale 9.11• Dell PowerVault ME5.2.x.x• Dell VPLEX: Metro node 9.0	SRM 5.1.1.0

Table 2. New features in Dell SRM 5.1.x.x (continued)

Functional area	Feature description	Version
	<ul style="list-style-type: none"> • IBM AIX 7.3.3 for Physical Hosts SolutionPack • IBM SAN Volume Controller 8.4 • IBM SAN Volume Controller 8.5 • IBM SAN Volume Controller 8.6 • Oracle MySQL Database 9.0 	
SolutionPack for Brocade FC Switch	<ul style="list-style-type: none"> • Added support of Zoning for Brocade SANnav. • Added support of Passive Host discovery for Brocade SANnav. 	SRM 5.1.0.0
SolutionPack for Cisco MDS/Nexus	Added support for NIC properties.	SRM 5.1.0.0
SolutionPack for Dell Data Domain	<p>Added support for data collection for the available REST APIs. The following reports for available metrics are supported:</p> <ul style="list-style-type: none"> • Report Library > Dell Data Domain > Summary > Table View • Report Library > Dell Data Domain > Summary > Card View • Report Library > Dell Data Domain > Inventory > Array • Report Library > Dell Data Domain > Inventory > Disk • Report Library > Dell Data Domain > Inventory > Interface • Report Library > Dell Data Domain > Inventory > MTree 	SRM 5.1.0.0
SolutionPack for Dell PowerEdge	<ul style="list-style-type: none"> • Added support for threshold alerts in Report library > Dell PowerEdge > Operations > Alerts. • Added Link and launch to Explore > Servers. • Added support for Global Reports. The updates are reflected in the following reports: <ul style="list-style-type: none"> ◦ Home: <ul style="list-style-type: none"> ▪ Renamed the Hosts report as Hosts & Servers. ▪ Updated platform filter with a Servers option. ◦ Explore: <ul style="list-style-type: none"> ▪ Added a new Servers report. ▪ All PowerEdge devices now listed under All Devices > List of Devices. ◦ Dashboards: <ul style="list-style-type: none"> ▪ Operations > Alert Summary. ◦ Operations: <ul style="list-style-type: none"> ▪ Operations > Alerts > All Alerts. ▪ Added a new tab Servers in Operations > Alerts > Alerts per Device. ▪ Operations > Alerts > All Alerts and Breaches. ▪ Operations > Alerts > Unacknowledged/Unassigned Alerts. 	SRM 5.1.0.0
SolutionPack for Dell PowerFlex	<ul style="list-style-type: none"> • Added support for monitoring power consumption metrics and carbon footprint (limited to iDRAC devices discovered in PowerEdge SolutionPack). • Added PowerEdge Server tab in Report Library > Dell PowerFlex > Inventory. 	SRM 5.1.0.0
SolutionPack for Dell PowerScale	Added support for quotas efficiency and data reduction ratio.	SRM 5.1.0.0
SolutionPack for Dell PowerStore	Added support for NIC properties.	SRM 5.1.0.0
SolutionPack for Dell PowerSwitch	Added additional threshold and hardware alerts for enhanced monitoring.	SRM 5.1.0.0
SolutionPack for Dell PowerVault	Added support for NIC properties.	SRM 5.1.0.0
SolutionPack for Dell VMAX/PowerMax	Added support for NIC properties.	SRM 5.1.0.0

Table 2. New features in Dell SRM 5.1.x.x (continued)

Functional area	Feature description	Version
SolutionPack for Dell Unity/VNX/VNXe	Added support for NIC properties.	SRM 5.1.0.0
SolutionPack for Hitachi Device Manager	Added support for NIC properties.	SRM 5.1.0.0
SolutionPack for IBM FlashSystem	Replaced CIMOM with REST for collecting Volumes and Ports KPIs metrics.	SRM 5.1.0.0
SolutionPack for Kubernetes	Added support for alerts, Global Reports, and Dashboards.	SRM 5.1.0.0
SolutionPack for NetApp FAS	Added support for NIC properties and reports for controller.	SRM 5.1.0.0
SolutionPack for Pure Storage	Added support for NIC properties.	SRM 5.1.0.0
SolutionPack for ServiceNow	Adder new reports in Report Library > ServiceNow > Summary .	SRM 5.1.0.0
Supported Platform	Added support for the below platform versions: <ul style="list-style-type: none"> • Brocade FOS 9.2.1b • Brocade SANnav 2.3.1b • Dell ECS 3.9 (Dell ObjectScale 4.0) • Dell PowerScale 9.10 • Dell PowerStore 4.1.0.0 • Dell Unity 5.5.0 • Hyper-V on Windows Server 2025 • Kubernetes 1.26, 1.27, 1.28, 1.29, 1.30, 1.31, 1.32 • NetApp ONTAP 9.16.x 	SRM 5.1.0.0

NOTE: For information about latest versions of arrays or devices that are supported in the Dell SRM 5.1.1.0 release, see Dell SRM 5.1.1.0 Support Matrix.

NOTE: See the following documents available on the [Dell Technologies Support Site](#) for detailed information about Alerts, Metrics, Reports, and so on:

- Alert Matrix
- Metrics and Reports
- Ports Usage
- Property Definitions
- Report Definitions

NOTE: Dell SRM documents are available in different languages on the [Dell Technologies Support Site](#). For more information and assistance, contact Dell Customer Support.

Resolved issues

The following high severity issues are resolved in this release:

Table 3. Issues resolved in Dell SRM 5.1.x.x

Issue ID	Description	Fix version
EMP-27212	Update the REST API documentation on the required access privileges.	SRM 5.1.1.0
EMP-27214	Upgrade XStream jar to 1.4.21 version.	SRM 5.1.1.0
EMP-27215	Upgrade Netty to 4.1.119 version.	SRM 5.1.1.0
EMP-27216	Upgrade Json-Smart to 2.5.2 version.	SRM 5.1.1.0

Table 3. Issues resolved in Dell SRM 5.1.x.x (continued)

Issue ID	Description	Fix version
EMP-27220	Upgrade Java to 8u451 version.	SRM 5.1.1.0
EMP-27221	Upgrade MySQL to 8.0.42 version.	SRM 5.1.1.0
EMP-27224	Upgrade ESE to 4.12.5.13 version.	SRM 5.1.1.0
EMP-27229	Exporting and scheduling are not functioning for the Mixed Reports with Parent and Child Nodes set to the Default Display mode.	SRM 5.1.1.0
EMP-27263	Upgrade Tomcat to 9.0.105 version.	SRM 5.1.1.0
SRS-81514	NAN values for Hitachi FMC drives when using Ops Center.	SRM 5.1.1.0
EMP-26780	Upgrade the ireasoningsnmp jar file from 4.0.52 to 5.043 version.	SRM 5.1.0.0
EMP-26876	Multi Factor Authentication - User Management scenarios.	SRM 5.1.0.0
EMP-26878	The Web Service Gateway port is still pointing to TLSv1.2.	SRM 5.1.0.0
EMP-27053	Upgrade iText components to fix CVE-2017-9096 vulnerability	SRM 5.1.0.0
EMP-27089	Upgrade Apache Camel to 2.25.4 version.	SRM 5.1.0.0
EMP-27094	Upgrade CIAM Server to 3.6 version.	SRM 5.1.0.0
EMP-27100	Upgrade JDOM to 2.0.6.1 version.	SRM 5.1.0.0
EMP-27102	Upgrade Java to 8u441 version.	SRM 5.1.0.0
EMP-27103	Upgrade MySQL to 8.0.41.	SRM 5.1.0.0
EMP-27107	Upgrade SLES15 SP4 OS patches to the latest version.	SRM 5.1.0.0
EMP-27112	Upgrade Nimbus-JOSE-JWT jar to fix the CVE-2023-52428 vulnerability.	SRM 5.1.0.0
EMP-27113	Upgrade jQuery UI to 1.14.1 version.	SRM 5.1.0.0
EMP-27114	Upgrade Netty to 4.1.116 version.	SRM 5.1.0.0
EMP-27158	Upgrade ESE to 4.12.4 version.	SRM 5.1.0.0
EMP-27195	SRM Windows - Backend services are not starting after the ABE reboot.	SRM 5.1.0.0
EMP-27202	Post-APG user password changes on database: reconfiguring alert consolidation is not working.	SRM 5.1.0.0
SRS-57209	The Chargeback Trends report has the wrong filter in the report.	SRM 5.1.0.0
SRS-79980	PowerScale: Fix for Unconfigured Capacity and enhancement of tooltips for global capacity reports.	SRM 5.1.0.0

Known issues

The following high severity issues remain unresolved in this release:

Table 4. Known issues in Dell SRM 5.1.x.x

Issue ID	Functional area	Description	Workaround/Resolution
EMP-27266	Reports > Export	After upgrading the iText components to version 5.5.13.4, some reports are shrinking during export, especially those that include multiple chart reports.	There is no workaround available.
EMP-27265	Reports > Export	An error occurs when trying to export a shared dashboard that contains a mixed report with the default display.	<ol style="list-style-type: none"> 1. Before exporting the report, click the settings icon on the export report. 2. Change the report layout from the default layout to one report per page. 3. Then export the report.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
EMP-27252	M&R	The vApp upgrade for the path 5.1.0.0 > 5.1.1.0 has an upgrade zip file verification issue.	For the SRM 5.1.1.0 release, only binary artifacts are currently available for download and upgrade.
EMP-26434	Backends > APG-Backend	Password hardening and secure policy configurations to be non-editable in apg. properties.	There is no workaround available.
EMP-26504	Administration UI > Centralized-Management	In the SRM Windows admin UI, MySQL logs and the started date are missing.	There is no workaround available.
EMP-27164	M&R	Report data Issues seen for ServiceNow on SRM 5.1.0.0 upgrade setups.	There is no workaround available.
SRS-79755	OS Upgrade	OS Upgrade for the frontend VM from 4.9.0.0 to 5.1.0.0 takes more than one hour.	There is no workaround available.
SRS-79979	Other	After enabling STIG rules, getting warning messages for all passive rules.	There is no workaround available.
SRS-80460	Application Upgrade	During SRM upgrade to 5.1.0.0, getting warnings related to the /boot directory.	There is no workaround available.
EMP-26929	APG	Logging in with valid credentials to the admin UI results in a 400 error if attempted with a two-minute delay.	This behavior is in line with the framework's design. As a workaround, users can close the browser window and try with a new browser to resolve this issue.
EMP-26973	Administration UI > Centralized-Management	In SRM and SMR Windows Admin UI, the MySQL logs and the started dates are missing.	Users can review the MySQL logs by navigating to the following path: <APG_HOME>/Databases/MySQL/Default/data/<hostname>.err
EMP-27019	Centralized-Management > Licenses	The Web Portal license expired on fresh deployment with SLES 15 SP6.	To upload a new license, follow these steps: <ol style="list-style-type: none"> 1. In SRM Admin UI, browse to System Admin > License > Manage Licenses. 2. Identify and select all licenses that are marked as expired. 3. Click Delete. 4. Click Synchronize and verify that expired licenses are no longer available. 5. Click Upload. 6. Click Choose File and select the new license file from your device. 7. Click Ok.
EMP-27046	Web-Portal > Manage > Users	In Manage Users > New User section, User is being created with the same name but different case-sensitive letters.	There is no workaround available.
EMP-24970	Reports > Export	The exported CSV and XML files do not contain the report description by design. However, the report description is present in the PDF and Excel files.	There is no workaround available.
EMP-26833	M&R	Unable to access the Admin UI directly when CAC/PIV is enabled on SRM.	There is no workaround available.
EMP-26845	M&R	When starting the CIAM service on RHEL 9.x version, a database connection error occurs.	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
EMP-26860	Backends > APG Backend	After upgrading from version 4.10.0.0 to 5.0.1.0, the APG backend services is in a stopped state.	There is no workaround available.
EMP-26876	M&R	Users face some issues in specific scenarios when using multi-factor authentication (MFA).	There is no workaround available.
SRS-71251	SolutionPack for Hitachi Device Manager	FMD drives are not supported when using the XML API reference for device discovery.	It is recommended to use Ops Center based discovery to ensure support for FMD drives.
SRS-72447	Other	After upgrading to SLES 15 SP4, the pre-configured tcpdump is not functioning properly.	Customers must reconfigure after the upgrade. See the Dell SRM Upgrade Guide for more details.
EMP-26757	Other > Tomcat	In SRM 5.0.0.0 upgraded setup, Tomcat server.xml file still points to TLSv1.2.	<p>To explicitly enable only TLSv1.3, modify the connector configuration as below:</p> <pre> <Connector port="58443" protocol="org.apache.coyote. http11.Http11NioProtocol" maxThreads="150" SSLEnabled="true" scheme="https" secure="true" compression="2048" maxSwallowSize="0" clientAuth="false" sslProtocol="TLSv1.3" URIEncoding="UTF-8" sslEnabledProtocols="TLSv1.3 " keystoreFile="conf/ keystore" ciphers="TLS_ECDHE_RSA_WITH_ AES_256_GCM_SHA384, TLS_RSA_WITH_AES_256_GCM_SHA 384, TLS_ECDH_RSA_WITH_AES_256_GC M_SHA384, TLS_ECDHE_RSA_WITH_AES_128_C BC_SHA256, TLS_ECDHE_RSA_WITH_AES_128_G CM_SHA256, TLS_AES_128_GCM_SHA256, TLS_AES_256_GCM_SHA384, TLS_CHACHA20_POLY1305_SHA256 , TLS_AES_128_CCM_SHA256, TLS_AES_128_CCM_8_SHA256, TLS_AES_128_OCB_SHA256, TLS_ECDHE_ECDSA_WITH_AES_128 _GCM_SHA256" > </pre> <p>This configuration ensures that only TLSv1.3 is enabled for SSL/TLS connections on port 58443.</p>
EMP-26585	APG	Tree view navigation feature support will be deprecated from future SRM versions.	There is no workaround available.
EMP-26718	Centralized-Management > Scheduled Tasks	The optimize-tables.task scheduled tasks are failing after upgrading to SRM 5.0.0.0.	The optimize-tables.task is no longer required for InnoDB tables.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
			<p>OPTIMIZE and REPAIR are legacy MySQL commands for the legacy MyISAM storage engine. Once the provided scripts (for upgrading MyISAM tables to InnoDB tables) have been executed, it is likely that your tables have been upgraded from MyISAM to InnoDB. InnoDB is far more robust at maintaining internal integrity than MyISAM; it self-optimizes and self-repairs.</p> <p>The OPTIMIZE TABLE command does nothing on InnoDB tables.</p> <p>For example, while running this query <code>OPTIMIZE TABLE wp_options</code> from MySQL, we see the below message:</p> <pre>> Table does not support optimize, doing recreate + analyze instead</pre>
EMP-26712	Centralized-Management > System Upgrade	Unable to open UI after upgrading from 4.10 to 5.0.0.0 with 4VM Binary Linux (RHEL) and scaled additional Frontend vApp.	There is no workaround available.
EMP-26714	Administration UI > Centralized-Management	The <i>event-processing-manager Maintenance-Manager</i> is in a stopped state in scaled additional Frontend.	<p>On additional scaled vApp Frontend VM:</p> <ol style="list-style-type: none"> 1. In the SRM Admin UI, go to CONFIG > SolutionPacks > Installed SolutionPacks. 2. Within the Instance column, click the edit icon next to Maintenance-Manager. 3. In Database hostname or IP address, enter the primary backend hostname instead of localhost. 4. Click Reconfigure.
EMP-26569	M&R	The <i>event-processing-manager Maintenance-Manager</i> is in a stopped state in both Frontend and Primary Backend.	<p>On Binary 4VM setup:</p> <ol style="list-style-type: none"> 1. In the SRM Admin UI, go to CONFIG > SolutionPacks > Installed SolutionPacks. 2. Within the Instance column, click the edit icon next to Maintenance-Manager. 3. In Database hostname or IP address, enter the primary backend hostname instead of localhost. 4. Click Reconfigure.
EMP-26605	Administration UI > Centralized-Management	After uploading the XML license in the UI, <i>manage-licenses.sh check</i> is throwing an error.	There is no workaround available.
EMP-26296	Tools > License-Manager	CLI allows users to install an invalid, expired XML license and a different SWID XML license.	There is no workaround available.
EMP-26529	Databases > APG-Property-Store	Distributed Property Store Tasks are failing in SRM 4.8 onwards.	There is no workaround available.
EMP-26508	M&R	Cyberark related warning logs found in the Schedule task for backup device.	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
EMP-26504	Administration UI > Centralized-Management	In SRM and SMR Windows Admin UI MySQL logs and since date are missing, not updating in the UI.	There is no workaround available.
EMP-26434	APG-Backend	Password hardening and secure policy configurations should be noneditable in the backend.	The apg.properties for password hardening and security policy configurations should not be edited from the backend.
EMP-26252	M&R	SRM 4.9.1.0 Windows Upgrade setup as 2 java versions.	The older version of JAVA to be deleted from <APG-install-dir>/Java/Sun-JRE.
EMP-26149	Other	Add new headers to Webservice-Gateway default page response.	There is no workaround available.
EMP-25627	Other	While running VM, script to merge the new VMDK with the existing file system has a limitation to extend a maximum of 1000 GB disk space at any given time.	There is no workaround available.
EMP-25592	Web-Portal > Manage > Users	Unexpected exception caught while updating main Database.	There is no workaround available.
EMP-25585	Web-Applications > APG-Frontend	In Edit Reports, Time Selection changes not getting saved.	There is no workaround available.
EMP-25556	Web-Applications > APG-Frontend	In Feedback option, when you click Cancel for upload window without selecting any file, the blank attachment overrides the existing attachment.	There is no workaround available.
EMP-20208	Block > backend-tools.	The backend tools are not installed automatically upon upgrade. Since the previous backend configuration can potentially be incompatible with the new backend-tool, automatic migration is not performed. See the M&R Upgrade Guide to get instructions on how to achieve manual upgrade, if your backend is compatible with the backend tool.	There is no workaround available.
EMP-19907	Centralized-Management > Discovery Center	When testing a device, certain lists may not get updated when you launch the test from the main device table.	There is no workaround available.
EMP-12558	Centralized-Management > SolutionPacks	In the SolutionPacks view, for a specific SolutionPack block, when the column "Version" shows "1.0" and the column "SolutionPack(s) Version" shows "1.0 to 1.0.1", the meaning is unclear. This situation occurs when the SolutionPack block v1.0 is part of the SolutionPack v1.0 and v1.0.1 because the block has not changed since v1.0 of the SolutionPack. This assumes that both SolutionPack versions are present in the Module Repository (/opt/APG/Tools/Module-Repository).	There is no workaround available.
EMP-16533	Collecting > Stream-Collector	Stream-Collector does not check the remote file checksum before sending it. We have no plans to support this in this collector.	There is no workaround available.
EMP-19083	Collecting > Stream-Collector	Some Solaris hosts may fail with discovery, since the upgrade of JSch to 0.1.53. Dell Technologies recommends upgrading the sshd of your Solaris host to a more recent version that supports stronger algorithms.	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
EMP-22947	Databases > MySQL	When upgrading MySQL SSL setup to MySQL 5.7 (M&R 6.8 & +), my.cnf will automatically add a new line for 'skip-ssl', which will cause SSL connectivity issues. If you require SSL, you must comment/remove this line from the my.cnf, and restart your MySQL.	There is no workaround available.
EMP-24046	Databases > MySQL	MySQL 5.7.21 requires libtinfo installed on Linux Hosts. This needs to be installed manually, if unavailable.	There is no workaround available.
EMP-19649	Module-Manager > System Upgrade	When updating the System Health, the new events block is not installed automatically. The new block is available through the SolutionPack Center, and must be installed on all required servers, in order to report event-based health (new in the latest SolutionPack version).	There is no workaround available.
EMP-21259	Other > Tomcat	Tomcat's HTTP connector will redirect users to the HTTPS port. This functionality can be seen as a security problem, and can be disabled in the server.xml. However, we prefer leaving the redirection on, to easily transition users to HTTPS from previous releases.	There is no workaround available.
EMP-18799	Reports	Zooming of static report behavior changed compared to 6.6u1.	There is no workaround available.
EMP-7668	Reports > Display	When applying a graph customization (color, line type, point type) with a dynamic graph, the zoom level is reset to the graph default level.	There is no workaround available.
EMP-7788	Reports > Display	The incorrect number of TopN results may be returned when multiple properties are used.	There is no workaround available.
EMP-10257	Reports > Display	The color picker plug-in only works on mouse drag, and not on mouse click.	There is no workaround available.
EMP-16112	Reports > Display	When receiving information from the database, depending on the selected formatter, require more accurate data (ex: multiple points VS a single point). When we only need one point, we can request it directly, selecting the closest aggregate period that does not exceed an arbitrary margin error. Requesting more accurate data, we cannot do that and have to rely on a smaller aggregate, sometimes even real time. This does not select the same data (because in the first case, the range was extended or reduced to fit the selected aggregate). When your data is not stable and fluctuates a lot, it then happens that a high profile value gets selected in one case and not in the other, thus the observed difference. Besides, it also happens that database aggregation handles metric aggregation as well (aka spatial aggregation). In order not to overweight a metric compared to the others, we also reset any aggregation count to 1, which then results in a different average than if it were all done on temporal values, they on spatial ones. This behavior is even increased with formulas as they can decide to void a metric's count, which will	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
		result in values that might differ a lot. Other than that, it is the same.	
EMP-16215	Reports > Display	If the report you are pinning has a complex expansion as one of its ancestors, there is a high likelihood that the view will be duplicated several times.	There is no workaround available.
EMP-16807	Reports > Display	Formulas that return null values cause unconnected dots on simple line chart graphs. If you must display connected lines in the graph, use an intermediate formula to filter out NaN values.	There is no workaround available.
EMP-23080	Reports > Email this report	The topology report (with the topology service) is not supported in the scheduler.	There is no workaround available.
EMP-12195	Reports > Export	Axis scale values may differ between a dynamic graph report and its PDF export version. The log axis is not supported in dynamic charts.	There is no workaround available.
EMP-12384	Reports > Stored	The selection of the stored versions of a given report requires a full scan of all the stored reports. Every file has to be loaded, as it is required to know which report is stored inside the file (it cannot guess using the name or path of the file). Such a load might be costly when the files are on the report generator server.	There is no workaround available.
EMP-12221	Reports > Type > Aggregated > Status	In status reports, values containing more than seven digits or scientific noted values may exceed the maximum space and appear truncated.	There is no workaround available.
EMP-15218	Reports > Type > Tables	In table reports, values that are returned in a spark line cell and a value with graph cell may differ slightly because they do not gather the data in the exact same way.	There is no workaround available.
EMP-17229	Reports > Type > Tables	Suggestions are not supported for events. (By suggestions, we mean to type a value in the filter field without using ENTER to see suggested values.)	There is no workaround available.
EMP-18260	Reports > Type > Tables	The table column sorting default behavior has changed in 6.6. The sorting now tries to filter all the numerical and then the rest in alphabetical order. In 6.5 and older releases, everything was sorted in alphabetical order.	There is no workaround available.
EMP-21981	Reports > Type > Tables	When a certain number cannot fit float precision, it is possible that extreme precision (more than 15 decimals) is lost, and can lead to some rounding difference vs previous releases.	There is no workaround available.
EMP-21851	Reports > Type > Tables > Item	When Chart-type formatter is used in the "Center" position of the Item report, the width of the center position is fixed. This may adversely affect the display of some formatters which allows setting the bar width and spacing values.	There is no workaround available.
EMP-21903	Reports > Type > Tables > Item	When new columns are added to a table report having column customization (show/	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
		hide), the new columns will not appear until the customization is reset.	
EMP-20266	System Health	When running a child front end configuration, System Health topology may be broken, due to multiple ip properties for the same device. There is no workaround.	There is no workaround available.
EMP-23140	Web-Applications > APG-Frontend	Direct links to alerting-front-end, mib-browser, and others are no longer available, if new M&R 6.9 admin UI is installed.	There is no workaround available.
EMP-17207	Web-Applications > APG-Web-Service	The default thread limits on some Linux distributions are too low for Dell M&R in a production environment. Set the ulimits at 65534 for the user apg as follows: apg hard nofile 65534 apg soft nofile 65534 apg hard nproc 65534 apg soft nproc 65534 For example, on Suse, Red Hat, and Centos, these limits are set to 1024 by default.	There is no workaround available.
EMP-20556	Web-Applications > APG-Web-Service	Authenticating incorrectly using the webservice-gateway can lock the user out of the system. This is due to an issue in the JVM https://bugs.openjdk.java.net/browse/JDK-8156736 and can be worked around by increasing the number of attempts in the lockout realm, or setting the system property http.maxRedirects (of the client) to be a number smaller than the number of attempts that are allowed in the lockout realm. The latter fix may impact your ability to perform proxy authentication.	There is no workaround available.
EMP-12314	Web-Applications > Centralized-Management	On a Windows installation, warnings may appear in the Tomcat logs when the system is unable to retrieve health data. These warnings may be caused by java processes exiting during the collect, for example when a scheduled task execution completes. It does not affect the system's operations.	There is no workaround available.
EMP-23144	Web-Applications > M&R Essentials	On some Windows installations, migrating from SMR can fail on some occasions. The workaround is to: 1. Disable IPv6 2. Disable and Uninstall Microsoft ISATAP adapter 3. Disable and Uninstall Teredo Tunneling Pseudo-Interface.	There is no workaround available.
EMP-9623	Web-Applications > SNMP Collector	When importing SNMP agents with the same IP address, it shows that multiple agents were updated.	There is no workaround available.
EMP-23534	Web-Portal > Manage > Users	In the rare case the admin uses the Test user functionality when multiple front end tabs are opened, it may occur that the admin changes the impersonated user's settings by mistake. To prevent this the admin should refresh the original browser tab that is used to access the administration page.	There is no workaround available.
EMP-4436	Web-Portal > Search	The search generator is based on properties and each property supports one icon, unlike the topology report that permits multiple icons.	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
EMP-17817	Web-Portal > Search	Front-end search does not support case-insensitive requests which contain wildcards.	There is no workaround available.
EMP-24795	Backends > Alerting-Backend	There are warning messages that are related to upgrading SolutionPack alert blocks during core upgrade. These can be safely ignored as they are coming during the intermediate stage.	There is no workaround available.
EMP-24672	Collecting > VMWare-Collector	SEVERE errors thrown by VMware collector which have no impact. These are propagating from VMware jar files. These can be ignored.	There is no workaround available.
EMP-24634	Reports > Source Table	In custom reports, not able to create chart reports using calculated values, but table reports can be generated.	There is no workaround available.
EMP-25162	Web-Portal > Dashboard View	Removal of edit functionality for the Pinned Reports under My Dashboard/Shared Dashboard.	There is no workaround available.
EMP-21895	Reports > Type > Tables > Item	In browse mode, item reports that are switched to table report, then modified to apply a table customization (show/hide columns, etc.), and then switched back to item report will still have the table customization active. It may affect the report rendering. Therefore, in this special case it would be a good practice to reset the customization to ensure new rows or new modifications to the item report are reflected properly in browse mode.	There is no workaround available.
SRMEE-1703	Tools > Webservice-Gateway	On any SRM Server, if the CPU core count is higher than 16, WSG logs show errors about insufficient threads to start the WSG service. The latest Jetty upgrade to 9.4.34 or higher requires a reconfiguration of the default max number of threads count (#10) to create sufficient threads.	<p>If you have more than 16 CPU cores on the SRM VM or host, contact Dell Online Support to open a Service Request (SR).</p> <p>For more information, see KB article KB000184212.</p>
EMP-20221	Backends > Alerting-Backend	Alerting Backend stopping responding randomly does not process received metrics.	A service freeze may occur if too many data properties are received by the raw values adapter inside the alerting-backend. In that case, it is advised to reduce the amount of data that are sent to the alerting-backend and/or reduce the number of reading threads per alerting-backend (by reducing the number of connections coming from the collector-managers).
EMP-21294	Centralized-Management > Scheduled Tasks	The data property flat refreshing task is disabled by default. Disabled tasks can be performed by mistake by the administrator and therefore the DPF could be used before preferred components (that is Management of database metrics tool, etc.).	It is advised to remove the DPF table to prevent other unwanted issues.
EMP-12261	Centralized-Management > SolutionPacks	After installing a Report SolutionPack Block, the users must log out and then log in to ensure that the new reports appear in their report tree.	To perform a reconfigure action, go to the Centralized-Management UI, choose SolutionPacks in the navigation tree, choose your SolutionPack, click the pen icon next to the SolutionPack Block, as if you want to Reconfigure given answers.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
			Leave your previously entered answers, and click the Reconfigure button.
EMP-22420	Collecting > ICMP-Collector	Updated ICMP Collector documentation to indicate that the SNMP Collector no longer updates the snmp-polling-distribution.xml by default (same file is kept: only agents group file is updated).	This behavior must be enabled to allow proper configuration change detection by the ICMP Collector.
EMP-19281	Collecting > Load-Balancer	A warning can occur when the channel-negotiation components (collector and connector) are used. This is caused because the server is not providing enough entropy but is harmless because the component has a fallback mechanism to another random generation mechanism when this happens.	The only way to get rid of the warning is to install an entropy generator such as haveged or rngd which will generate more entropy for the application to be consumed.
EMP-22237	Collecting > VMWare-Collector	The VMware external API does not handle perfectly user sessions that are authenticated using LDAP.	In those circumstances, users should silence the client log by adding com.vmware.vim25.ws.WSClient=OFF at the end of logging.properties.
EMP-15298	Databases > MySQL	In some rare cases, MySQL backup tables may remain when the optimize task fails to complete.	Manual intervention is required in order to repair those tables before reattempting to run the optimize task.
EMP-12404	Event-Processing > BroadSoft-VoIP-Collector	Because the JDBC drivers are no longer packaged with modules, the collector cannot create its database schema at installation.	This task must be done manually before starting the collector using the DDL file containing the definition. See the SolutionPack-specific documentation that installs this collector for more details on the database schema creation.
EMP-21600	Filters > Property-Tagging-Filter	PTF that uses PropertyAccessor does not get redirected to the HTTPS port.	When upgrading setups from a previous version to M&R 6.8 and up, components that used to connect to the Tomcat Frontend webservice should continue to connect through HTTP.
EMP-21027	Module-Manager	On windows, the service stop.timeout property cannot always be changed when the service is running. It is preferable to change it while the service is stopped.	<ol style="list-style-type: none"> 1. Stop the service. 2. Change the timeout property. 3. Start the service.
EMP-23009	Reports > Email this report	When a scheduled report execution fails because an invalid email address (response from the configured mail server) has been added to the list of recipients.	Dell Technologies recommends to either: * fix the invalid email address from the configuration * install a local sendmail server.
EMP-24410	Reports > Type > Tables	% wildcard character does not work in filtering columns for any of the reports. Use * instead to get filter the value using wildcard characters.	Use * instead to get filter the value using wildcard characters.
EMP-17554	Reports > Type > TopN > Horizontal bars	The child report name option does not work in Metric Customization for Horizontal bars.	Horizontal Bars: When having multiple groups of expansion, the customization of Child report name applies to the value of the last expanded group only.
EMP-17931	Tools > Frontend-Report-Generator	If you are updating M&R installation and using the Alert on report functionality in the front end, it is advisable to also update the Alerting backend module so the alert adapter is re-created properly to process new report alerts.	Update the Alerting backend module so the alert adapter is re-created properly to process new report alerts.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
EMP-21888	Web-Applications > APG-Frontend > database Accessors > Timeseries	Multiple aggregate reports throw an invalid SQL error when using an architecture without a Property Store and Property Flat table which is not supported anymore.	Appliance installation should have Property Store and Property Flat table installed.
EMP-25042	Databases > MySQL	Unable to launch mysql-client.sh in RHEL 8.2.	mysql-client.sh tool requires ncurses-compat-libs-6.1-7 to be installed for proper functioning on RHEL 8.2.
EMP-25290	APG FrontEnd	In SRM FrontEnd UI, APG to Administrator page navigation fails.	<ol style="list-style-type: none"> 1. In <code>opt/APG/Web-Applications/Admin-UI/admin/conf/common.properties/</code> - set the <code>apg.admin.url</code> property value to <code>"/admin/"</code> (For example: <code>apg.admin.url=/admin/</code>). 2. Restart the Tomcat server.
Not applicable	Alerting	In a large events database (a few thousand alerts), it may take a while for the alerting reports to load. Also, if those reports have the automatic refresh interval set too low, the alerting reports become unusable. The default setting is 180 (seconds).	<p>Increase the refresh interval, or disable automatic refresh on the alerting reports.</p> <ol style="list-style-type: none"> 1. Click Modifications > Edit Reports, and then click the Report Details: Table tab. 2. To find the refresh interval (sec) field, scroll to the bottom, and expand Display Options. Either increase the value, or, to disable automatic refresh, set the value to 0. 3. Click Save. <p>If you disable automatic refresh, you can always refresh manually with the browser refresh button.</p>
Not applicable	Alerting	Scroll bars may not be visible in Report Library -> <SolutionPack Name> -> Operations -> Alerts report .	<ol style="list-style-type: none"> 1. On the Alerts report page, move mouse cursor above Refresh, and click display options. 2. Select Make this element taller. Vertical and horizontal scroll bars show up. <p>However, when the user moves to another tab and comes back, the user must repeat this workaround to make scroll bars visible.</p>
Not applicable	Dell Technologies Connectivity	Do not alter the Dell Technologies Connectivity alert definitions. Doing so could break the Dell Technologies Connectivity functionality. Do not use the new Dell Technologies Connectivity Event action in any user-defined alert definitions.	There is no workaround available.
SRS-64474	Dell Technologies Connectivity	After the FrontEnd reboot, ESE service will go down. User need to run the script to bring it back.	<p>To restore the ESE service running on the FrontEnd host after a reboot, follow the steps that are mentioned below:</p> <ol style="list-style-type: none"> 1. Log in as the root user to the Frontend appliance using Putty. 2. Go to the directory <code><APG_Install_DIR>/Tools/ESE-Manager/<ESE_Version></code>. 3. Run the following command to start the ESE service: <ul style="list-style-type: none"> • <code>sh ese_start.sh</code>

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
			<p>4. To confirm if the ESE service is listening on port 9443, use the appropriate command based on your operating system:</p> <ul style="list-style-type: none"> • For SuSE: <code>netstat -ntlp grep 9443</code> • For RHEL: <code>lsof -i -P -n grep 9443</code>
SRS-55807	Performance Correlation	When multiple alerts for different components are generated simultaneously, only one alert is filtering out and shown in the graph.	There is no workaround available.
EMP-24919	Reports	When modifying time selection in tabbed report, the resulting reports have the default time selection and not what was selected in the report that was exported to PDF, CSV, or Excel.	There is no workaround available.
Not applicable	Unified Snapshot Management	<p>The number of snapshots(and snapshots-related data) shown in SRM reports may be higher than the actual number of snapshots, since it may continue to show deleted snapshots until that data becomes inactive.</p> <p>In the below reports, the number of snapshot creation failures and snapshot deletion failures would always be shown as 0 since the respective alert definitions are not available:</p> <ul style="list-style-type: none"> • Dashboard > Operations > Situations to Watch > Snapshot Failures • Report Library > <<SolutionPack Name>> > Operations > Situations to Watch > Snapshot Failures • Explore > Storage > Storage Systems > [Array Name] > Operations > Situations to Watch > Snapshot Failures <p>This known issue is applicable across SolutionPacks.</p>	There is no workaround available.
EMP-25592	Upgrade	Unexpected exception is observed while updating primary Database.	There is no workaround available.
SRS-28477	SolutionPack for Block Chargeback	When Virtual Storage arrays (Dell VPLEX and IBM System Storage SAN Volume Controller) are discovered as Passive hosts and also the hosts that are connected to Virtual Storage arrays are discovered or passively, there is a possibility of some chargeback capacities being double counted.	Avoid discovering Virtual Storage arrays as passive hosts.
Not applicable	SolutionPack for Brocade FC Switch	When using REST API-based discovery approach, FCoE and Virtual FC ports will not be discovered.	There is no workaround available.
Not applicable	SolutionPack for Brocade FC Switch	When using REST API-based discovery approach, Temperature Sensor details will not be discovered.	There is no workaround available.
Not applicable	SolutionPack for Brocade FC Switch	When using REST API-based discovery approach, Gigabit Ethernet ports will not be discovered.	There is no workaround available.
Not applicable	SolutionPack for Brocade FC Switch	FOS RESTAPI does not provide Availability and Operational Status attributes at Chassis level. Hence, both these attributes are not populated	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
		in SRM for Virtual Fabric enabled switches when the REST-based discovery approach is used.	
Not applicable	SolutionPack for Brocade FC Switch	When using REST API-based discovery approach, Switches where Virtual Fabric feature is not enabled returns Virtual Fabric ID (partid) property value as "-1."	There is no workaround available.
SRS-28725	SolutionPack for Brocade FC Switch	Used port column issues are seen in the Explore > Storage Connectivity > Switches report for Brocade switches.	There is no workaround available.
SRS-28732	SolutionPack for Brocade FC Switch	The Principal switch column in the Storage connectivity-Fabrics report is empty when all the switches in the fabric are not discovered and are for virtual fabrics.	There is no workaround available.
SRS-34151	SolutionPack for Brocade FC Switch	When using the SMIS only discovery approach, FC Ports that do not have a connected port, shows the connected port column across reports as an exclamatory symbol (❗).	There is no workaround available.
SRS-32113	SolutionPack for Cisco MDS/ Nexus	NPV switches do not support all the capabilities that are supported using a typical FC switch. Due to this issue, the Explore > Storage Connectivity > Switches > <NPV_switch> > Components > VSANs report is empty.	There is no workaround available.
SRS-28071	SolutionPack for Cisco MDS/ Nexus	Entering the switch name in the Switch IP Address field in Discovery Center while creating a discovery group creates duplicate devices.	There is no workaround available.
SRS-28069	SolutionPack for Cisco MDS/ Nexus	The discovery Group table shows duplicate entries as Manually entered and Automatically discovered in the Entry Origin column.	There is no workaround available.
SRS-36750	SolutionPack for Dell Data Protection Advisor	For the Dell Data Protection Advisor SolutionPack, if you click Report Library >> Dell Data Protection Advisor >> Operations >> Alerts , then you are redirected to a new report under Explore view (Explore >> Hosts >> All Hosts >> All Hosts >> Host) . i NOTE: This report is shown if the device (Host) is discovered through Host SolutionPack and are empty if the device (Host) is not discovered through Host SolutionPack.	There is no workaround available.
Not applicable	SolutionPack for Dell ECS	From ECS 3.5 onwards, the Windows collector host requires curl to collect performance data in SRM. If curl is not installed, the user can see severe errors in the collecting log concerning execution of curl commands.	<ol style="list-style-type: none"> 1. Download the curl for windows. 2. Extract the downloaded folder. 3. Go to the bin folder and locate the curl.exe file. 4. Copy the location till bin directory and add it to the path in System Variables so that curl is ran from any directory.
Not applicable	SolutionPack for Dell ECS	<ul style="list-style-type: none"> • In Report Library > Dell ECS > Inventory > Nodes > Services tabular report: <p>CPU Usage(%) column displays the percentage of the total processing capacity of the node that is used by the process, but from ECS 3.5 onwards, this represents the</p>	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
		percentage of one CPU processing capacity that is used by the process. <ul style="list-style-type: none"> The Service Start Time column is blank in the Report Library > Dell ECS > Inventory > Nodes > Services report. 	
SRS-50241	SolutionPack for Dell ECS	In Dell ECS Solution Pack Report Library, Dell ECS capacity metrics are represented with units of binary multiples (GiB and TiB). The same capacity metrics are represented with units of decimal multiples (GB and TB) in SRM Global Reports and its link reports. The capacity metric value is same for all the reports, and the only difference is in display units and not the conversion. For example, in the Dell ECS Report library, Free Capacity = 27.48 TiB and in Global Reports and its link reports, Free Capacity = 27.48 TB.	There is no workaround available.
Not applicable	SolutionPack for Dell PowerFlex	The following counters used in System, Pool, Protection level, and Storage Data Server level are deprecated and values will always be zero for PowerFlex SolutionPack: <ul style="list-style-type: none"> thinCapacityInUseInKb (SRM metric name: ThinUsedCapacity) snapCapacityInUseInKb (SRM metric name: SnapUsedCapacity) snapNetCapacityInUseInKb (SRM metric name: UsedCapacity) snapCapacityInUseOccupiedInKb (SRM metric name: SnapUsedCapacity) 	There is no workaround available.
SRS-47103	SolutionPack for Dell PowerFlex	For Dell PowerFlex SolutionPack, user-defined device (array) name may not show in global reports and in the potential saving dashboard.	There is no workaround available.
SRS-47420	SolutionPack for Dell PowerStore	When SRM polls scaled PowerStore arrays, the below issues can occur: <ul style="list-style-type: none"> Performance and Capacity metrics for some/all components of an array might not be collected. This issue can occur when the snapshot count on the array is around 100000. A partial list of Snapshots might get collected. This issue can occur when the snapshot count on the array goes beyond 20000. Exceptions related to data collection are seen in collector manager log files. A partial list of Volumes might get collected. This issue can occur when the volume count on the array goes beyond 4000. 	There is no workaround available. The issue is being tracked internally on the PowerStore RESTAPI behavior.
Not applicable	SolutionPack for Dell PowerStore	Post upgrade to 3.2 there is a change in REST bulk metrics on clusters impacting SRM.	The workaround is to restart the control path docker on the PowerStore primary appliance to reset the flag. Follow the below steps: <ul style="list-style-type: none"> ssh core@<management IP>

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
			<ul style="list-style-type: none"> Restart the control path docker on PowerStore primary appliance by entering: <pre>sudo systemctl restart cyc_controlpath_control</pre>
SRS-37780	SolutionPack for Dell RecoverPoint	Discrepancy observed in protection window metrics when compared between SRM, REST, and Unisphere UI for Dell RecoverPoint.	There is no workaround available.
SRS-40455	SolutionPack for Dell RecoverPoint	Remove VolumeSize metrics in the first collection for voltype=User. The rootwwn property is not generated on the first collection, but on subsequent collections.	There is no workaround available.
SRS-40727	SolutionPack for Dell Unity/VNX/VNXe	<p>During installation or update of SolutionPack, the alerts block is installed successfully but it displays the error symbol upon successful completion of installation of the block.</p> <p>NOTE: This known issue is also applicable for other SolutionPacks such as Dell SC Series, Dell RecoverPoint, and so on.</p>	There is no workaround available.
SRS-33450	SolutionPack for Dell Unity/VNX/VNXe	If the array friendlyname contains the + (plus sign), it causes problems where the data is collected from the SPARQL query are incomplete or incorrect, because the plus sign is not encoded. This condition leads to LUNs not correctly being tagged with the correct value for the usedby property.	Avoid using the + character in the friendlyname field when adding a system for discovery.
SRS-32680	SolutionPack for Dell Unity/VNX/VNXe	ViPR SRM does not report on VMware Block and File vVol Datastores for Unity and VNXe3200 systems. The datastores are not identified as Storage Pool consumers, which they should be.	There is no workaround available.
SRMEE-1160	SolutionPack for Dell Unity/VNX/VNXe	<p>In VNX collector log, error may be observed for Unity arrays, due to unavailability of data either for SPA or SPB, from the source array as shown below:</p> <pre>"SEVERE -- [2019-04-08 01:55:41 EDT] - DataListener\$ValueFormatter::parseValue(): Invalid NaN value for key SP (A B) (CIFS NFS) (SMB1 SMB2 V3 V4)? (Read Write Total)Calls, context <Unity array's Unique name>....."</pre>	There is no workaround available.
SRS-44495	SolutionPack for Dell Unity/VNX/VNXe	When Unity data collection stops for certain performance metrics such as SP-A CPU utilization, there are no errors in the /VNXe collector logs indicating a problem, and there is no scope that is built for retrying for those values. The issue happens when the API does not return all the values upon polling exactly at every fifth minute (the default performance polling cycle). Sometimes, does not have the values ready if the polling occurs right at the fifth minute (for example 07:30:00). However, it populates with data quickly (usually within 1 s by 07:30:01 the data is present).	<ul style="list-style-type: none"> Data collection stops for performance metrics exactly at every fifth minute interval. Change the polling interval for the performance data collection to other than 5 minutes. Restarting the collector at a different time so that the collection is not triggered exactly at the fifth minute interval.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
Not applicable	SolutionPack for Dell EMC VMAX	Breaches data under the VMAX > Operations > Configuration tab is flowing from both the platforms (VMAX and PowerMax).	There is no workaround available.
Not applicable	SolutionPack for Dell VMAX/PowerMax	Breaches data under VMAX/PowerMAX > Operations > Configuration tab is flowing from both the platforms (VMAX and PowerMax).	There is no workaround available.
SRS-50209	SolutionPack for Dell VMAX/PowerMax	<p>Below warning messages are observed in the collection logs for the arrays where the cloud provider, cloud snapshots, and SDNAS (File configuration) are not configured:</p> <pre> "WARNING - [2020-11-18 10:37:57 EST] - HttpRequestGroup::handleResponse (): Unable to connect to host <hostname/IP> (500) or (400) for request https://@\" Unknown macro: {host} :@{port}/univmax/restapi/ @{version}/system/symmetrix/ @{symmetrixId}/cloud/ cloudprovider in request group UNIVMAX-DETAILED-TOPO-Hickory- Cloud-Vendors-List. Server returned the following message: Internal Server Error SEVERE - [2020-11-18 10:37:57 EST] - HttpRequestRetriever::execute(): Unable to retrieve stream on any configured request group! SEVERE - [2020-11-18 10:37:57 EST] - AbstractJobExecutor::executeJobR u nner(): Error while executing job VMAX-UNIVMAX-DETAILED -> UNIVMAX-DETAILED-TOPO-Hickory- Cloud-Vendors-List removing it from the queue com.watch4net.apg.concurrent.Job E xecutionException: Unexpected error when running step in job VMAX-UNIVMAX-DETAILED -> UNIVMAX-DETAILED-TOPO-Hickory- Cloud-Vendors-List" AND {{WARNING - [2022-09-10 02:18:07 EDT] - HttpRequestGroup::handleResponse (): Unable to connect to host 10.60.141.222 (500) for request [https://@ https:] {host} :@{port}/univmax/restapi/ @{version}/file/symmetrix/ @{symmetrixId}/nas_server in request group UNIVMAX-FILE-TOPO- HyperMax-List-NasServer. Server returned the following message: Internal Server Error}} </pre>	<ul style="list-style-type: none"> There is no impact on the functionality as this is warning with exit code 500 or 400 and occurs only on arrays which are not configured with cloud provider, cloud snapshots and SDNAS (File Configuration). In general, if Unisphere responds with 500 and 400 code or 204 No Content, it is expected to see errors in the collecting logs.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
		<pre> SEVERE - [2022-09-10 02:18:07 EDT] - HttpRequestRetriever::execute(): Unable to retrieve stream on any configured request group! SEVERE - [2022-09-10 02:18:07 EDT] - AbstractJobExecutor::executeJobR unner(): Error while executing job VMAX-UNIVMAX-FILE -> UNIVMAX-FILE-TOPO-HyperMax-List- NasServer removing it from the queue com.watch4net.apg.concurrent.Job ExecutionException: Unexpected error when running step in job VMAX-UNIVMAX-FILE -> UNIVMAX- FILE-TOPO-HyperMax-List- NasServer Similar to above errors for the API calls "file_system", "nfs_export", "smb_share" and "snapshot" </pre>	
Not Applicable	SolutionPack for Dell VPLEX	Nonencapsulated or LVM virtual volume configurations are not supported.	There is no workaround available.
SRS-29484	SolutionPack for Dell VPLEX	<p>The following metrics and properties are missing for VPLEX 6.0.0:</p> <ul style="list-style-type: none"> • VPLEX local-com ports are missing in the nodewwn, portwwn, and tgtwwn properties. • VPLEX local-com ports are missing in the ifSpeed and Speed metrics. • VPLEX Ethernet ports are missing in the ifSpeed and Speed metrics. • VPLEX Director performance metrics UdtConnDrop, UdtPcktRetrans, UdtRecvBytes, UdtRecvDrops, UdtRecvPkts, UdtSendBytes, UdtSendDrops, and UdtSendPkts are not available. 	There is no workaround available.
Not Applicable	SolutionPack for Dell VPLEX	Post Fresh Install of VPLEX SMR on windows platforms, the data takes long to appear in the report.	Restarting all the SMR-related services using the manage-modules.cmd present under C:\Program Files\APG\bin, will solve the issue, and the data appears in the reports shortly after the restart.
Not Applicable	SolutionPack for Dell VPLEX	<p>SRM stopped collecting data for a week. In the Dell SRM Collector log collecting-0-0.log, the following messages had been continuously reported since VPLEX MMCS-A was replaced:</p> <ul style="list-style-type: none"> • <pre>StreamLogger\$LoggingStreamGobbl er::run(): (SSHSessionConnection to xx.xx.xx.xx:22-1520506610725) /home/{cluster1.username}/ vvol-collector.py: /bin/bash: /home/service/vvol- collector.py</pre> <p>No such file or directory was found.</p>	<p>The following are the files in the path /opt/APG/Collecting/Stream-Collector/emc-vplex/conf:</p> <ul style="list-style-type: none"> • data-retrieval-director-cluster1.xml • data-retrieval-director-cluster2.xml • data-retrieval-vvols-cluster1.xml • data-retrieval-vvols-cluster2.xml <p>These files have the line:</p>

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
		<ul style="list-style-type: none"> <pre>StreamLogger\$LoggingStreamGobbler::run(): (SSHSessionConnection to xx.xx.xx.xx:22-1520506610904) /home/{cluster1.username}/ get-director-data.py: /bin/ bash: /home/service/get-director- data.py</pre> <p>No such file or directory was found. The files vvol-collector.py and get-director-data.py did not exist in /home/service directory on VPlex MMCS-A.</p> 	<pre><files executable- files="true" always-full- transfer="false" delete-source- files="false">conf/vvol- collector.py</files></pre> <p>In this line, set always-full-transfer="true". The collector should push the scripts before each polling.</p>
SRS-50159	SolutionPack for Dell VPLEX	<p>In Report Library > Dell VPLEX > Inventory > Ports, below columns are empty for VPLEX 6.2 and later due to REST V2 limitation:</p> <ul style="list-style-type: none"> Current Speed Max Speed 	There is no workaround available.
SRS-53746	SolutionPack for Dell EMC XtremIO	<p>Status column under Report Library > DELL EMC XtremIO Array > Inventory > Data Protection Sessions and Explore > Storage > Storage Systems > DELL EMC XtremIO Array > Components > Data Protection Sessions is not displaying actual status when compared to the respective DELL EMC XtremIO array.</p> <p>In SRM, the Status column of the respective user-disabled snapshot is displaying the status as Meeting SLA instead of Not-Meeting SLA (DELL EMC XtremIO array displays the status of the user-disabled snapshot as Not-Meeting SLA).</p> <p>The API response for all snapshot status is according_to_plan (Meeting-SLA) and hence the same is shown in the SRM reports.</p>	There is no workaround available.
SRS-29446	SolutionPack for Dell EMC XtremIO	Used capacity for XtremIO reported in global reports is the Physical Used Capacity of the Array.	There is no workaround available.
SRS-50241	SolutionPack for HPE Nimble	<p>In HPE Nimble Solution Pack Report Library, HPE Nimble capacity metrics are represented with units of binary multiples (GiB and TiB). The same capacity metrics are represented with units of decimal multiples (GB and TB) in SRM Global Reports and its link reports. The capacity metric value is same for all the reports, and the only difference is in display units and not the conversion.</p> <p>For example, in the HPE Nimble Report library, Free Capacity = 27.48 TiB and in Global Reports and its link reports, Free Capacity = 27.48 TB.</p>	There is no workaround available.
SRS-53503	SolutionPack for Huawei Oceanstor	Hidden columns under Explore > Storage Capacity > Storage Systems are not supported and are empty:	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
		<ul style="list-style-type: none"> • Deduplication (:1) • Compression (:1) • Efficiency (:1) • Potential Data Space (TB) • Will Reach 90% in 	
SRS-11480	SolutionPack for IBM SAN Volume Controller/ Storwize	<p>Back-End Arrays of IBM DS, IBM XIV, HDS, HPXP, and XtremeIO are not supported.</p> <p>Internal storage is not supported in the Raw Capacity Usage and the Configured Usable reports. Service Level and Chargeback are not supported for mdisks (virtual disks) based on internal storage.</p> <p>Replication is not supported.</p> <p>Chargeback for IBM SVC does not include Replica volumes. In other words, Total Chargeable is the same as Primary Chargeable.</p> <p>The SVC System alias should be the same as the System ID or serial number. This SolutionPack does not support discovery of SVC cluster where the system alias has been changed.</p>	There is no workaround available.
Not applicable	SolutionPack for IBM FlashSystem	If IBM FlashSystem and IBM-XIV arrays are configured with the same Trap Receiver IP/Host (same SRM Primary Backend), all the generated alerts are populated either in the IBM Flash System SolutionPack Report library or in IBM-XIV Report Library. In global reports, under Operations > Alerts > Alerts per Device , alerts will show IBM-FlashSystem and IBM-XIV Alerts separately as per the device.	There is no workaround available.
SRS-29455	SolutionPack for Microsoft SQL Server	JTDS driver that is used to connect to SQL server does not support Microsoft SQL database setup in Availability Group Listener.	There is no workaround available.
SRS-41178	SolutionPack for NetApp FAS	The version field is blank in the Inventory/Nodes report when the device discovered with Readonly privilege.	There is no workaround available.
SRS-51508	SolutionPack for Oracle MySQL	<p>When trying to discover the multiple instances for the same Host and Service Name, the following error occurs:</p> <pre>Error encountered! This entry is already present in the list!</pre>	<ul style="list-style-type: none"> • You can discover more than one instance using FDQN or short-name for the Host instead of IP, but this will be limited to three entries only. • Manually add the instance details under oracle-collector.xml, but you cannot see the device details under Discovery Central.
SRS-26787	SolutionPack for Physical Hosts	Network interface information is not collected for Windows with a nonadmin user.	There is no workaround available.
SRS-40730	SolutionPack for Physical Hosts	SRM Linux host agent does not collect data when using csh. The user default shell must be changed to bash to allow collector to read LMD data from the /tmp directory.	There is no workaround available.
SRS-40731	SolutionPack for Physical Hosts	SRM Linux Host Agent: If the umask value of the host(on which agent is running) is 0077, the nonroot user cannot read the hostdata file that	There is no workaround available.

Table 4. Known issues in Dell SRM 5.1.x.x (continued)

Issue ID	Functional area	Description	Workaround/Resolution
		is created in the /tmp directory since the above umask masks the permissions for groups and others. Hence, host default umask value must be such that it grants read permissions to the groups and others.	
SRS-53393	SolutionPack for Pure Storage	<p>Duplicate entries and inactive metrics after upgrade due to removal of friendly name for PURE storage array discovery in Dell EMC SRM 4.5 and above versions.</p> <p>Any upgrade results in duplicate entries and inactive metrics if different unique friendly name other than array side-configured name while discovering the respective array in SRM is used.</p> <ol style="list-style-type: none"> 1. In Dell EMC SRM 4.4, discover PURE array using any Friendly name followed by data collection. 2. Upgrade to any of the higher builds such as Dell EMC SRM 4.5 and above. 3. After the successful upgrade and after latest data collection (after the polling cycle), duplicate entries are seen. For example, if there are 54-Volumes that are seen before the upgrade for the respective PURE array, now after upgrade, it will be double and displayed as 108-Volumes. This is seen for all the components of PURE storage SolutionPack. 	Before upgrade, if the friendly name is the same as the array side configured name (initially while discovering Pure storage array in SRM followed by successful data collection), the duplicate entries, and inactive metric issue is not seen after upgrade to Dell EMC SRM 4.5 and above.
Not applicable	System Health	Graphs for Backend cache report in System Health reports uses sum aggregation on real-time by default for one day. For one week or more, the aggregation that is used should be average on real time value.	There is no workaround available.
SRS-39945	SolutionPack for VMware vSphere vSAN & VxRail	VM Folder Path is visible or exists in reports after removing VM from the folder.	There is no workaround available.
Not applicable	Solution Pack for Hitachi Device Manager	<p>SEVERE errors seen in collecting.log for the below REST APIs in different polling cycles(randomly). Data will not be fetched for that specific polling cycle for the below timed out REST API.</p> <ul style="list-style-type: none"> • /remote-replications (Remote Replications) • /local-replications (Local Replications) • /snapshot-replications (Snapshot Replications) • /storage-summaries/instance (Storage Summary Instance) • /ports/CL1-C?detailInfoType=class (Port detail) • /drives (Drives) 	<p>Data will be collected in the next polling cycle from these REST APIs.</p> <p>OR</p> <p>Alternatively, REST API data timeout(Use advanced settings for REST) can be increased from the default 10–15 minutes by editing the collect block in the Hitachi solution pack installation page.</p>

Limitations

The following limitations exist in this release:

Table 5. Limitations in Dell SRM 5.1.x.x

Functional area	Limitation
SolutionPack for Dell Data Domain	<ul style="list-style-type: none"> Not all metric data are supported in the Data Domain REST API. The REST API support is limited to summary and a few inventory reports. Metrics not available in the REST are marked as "NS". Graph reports are not supported. <p>NOTE: For comprehensive Data Domain reports, it is recommended to discover all Data Domain devices using the SNMP interface.</p>
SolutionPack for Dell Unity/VNX/VNXe	The actual <code>LogicalUsedCapacity</code> is represented by the <code>PhysicalUsedCapacity</code> at the file system level. However, data reduction capacity is counted twice in the <code>LogicalUsedCapacity</code> calculation.
SolutionPack for NetApp FAS	From ONTAP version 9.14, the value for <code>PhysicalUsed</code> from volume command includes other compaction metrics. As a result, in SRM, we have adjusted the metrics that rely on it to use used capacity. The affected metrics are <code>EffectiveUsedCapacity</code> , <code>LogicalUsedCapacity</code> , <code>DataReductionRatio</code> , <code>CompressionRatio</code> , <code>DeduplicationRatio</code> , and <code>PhysicalFreeCapacity</code> at the volume level. Therefore, all the corresponding reports and dashboards are impacted.
SolutionPack for Brocade FC Switch	<p>The following limitations are specific to SANnav based discovery:</p> <ul style="list-style-type: none"> Passive host details are not derived from the peer zones. Performance data is not supported. SANnav does not support CyberArk. Brocade FRUs (Fan, Power Supply, and Temperature) are not supported. FRU Blade is not supported. Port Symbolic Name property for Nameserver is not supported. Maximum blades property is not supported. Alerts are not supported. Situation to Watch and Error Reports are not supported.
SolutionPack for IBM FlashSystem	<ul style="list-style-type: none"> The IBM FlashSystem series does not support Snapshot Group, Consistency Group, or Grid Controller. IBM FlashSystem for Port Performance does not support Throughput and Latency columns. IBM flash system Rest API service cannot respond to more than 45 requests at a time, which limits SRM data collection and affects SRM reports. The FS-series array does not support Storage-Pool Performance reports. IBM's capacity unit representation differs between the A series and FS series arrays. As a result, SRM Reports display the correct value and unit for the FS series but show slight differences in capacity data and unit for the A9000 arrays. The SRM reports are aligned with the FS series arrays. SRM version 5.1.0.0 and above supports Performance KPIs for Volumes and Ports using REST APIs for IBM FS array version 8.6.3.x and later.
SolutionPack for Dell VMAX/PowerMax	<ul style="list-style-type: none"> In Unisphere version 10.0 and 10.1, due to changes in the response from the REST API (sloprovisioning), RAID overhead is no longer included in the reported physical total capacity. Consequently, dependent metrics, including <code>Raw Capacity</code>, <code>Configured Usable Capacity</code>, <code>Unconfigured Capacity</code>, and <code>RAID Overhead Capacity</code>, are affected. Additionally, <code>Configured Raw Capacity</code> is impacted due to alterations in the figure of physical used capacity. Therefore, all respective reports and dashboards are affected.

Table 5. Limitations in Dell SRM 5.1.x.x (continued)

Functional area	Limitation
	<ul style="list-style-type: none"> From Unisphere version 10.2 onwards, snapshot retention days is not supported for PowerMax. Therefore, the compliance rule <i>Snapshot Policy With Undefined Retention</i> cannot be supported. From Unisphere version 10.2, due to changes in the response from the REST API (sloprovisioning), the values for <code>Raw Capacity</code> and <code>Configured Raw Capacity</code> will be the same, <code>Unconfigured Capacity</code> will be zero, and <code>Hot Spare</code> will not be applicable. These changes are seen across all PowerMax OS versions. Additionally, <code>RAID Overhead Capacity</code> will be empty for PowerMaxOS 10.x. For the PowerMax V4 arrays with PowerMaxOS 10.x, the Efficiency metric is not available/supported. For V4 arrays, Efficiency column under Report Library > Dell VMAX/PowerMax > Summary, child report SRP Efficiency for Pools under Report Library > Dell VMAX/PowerMax > Inventory and System and Replication METATADATA, VIRTUAL PROVISIONING, SNAPSHOT, Overall Efficiency Ratio efficiency metrics under System Efficiency report of Explore > Storage > Storage Systems > <Array Id> > Capacity are not available. In U4P versions 9.2.x and below, the snapshots endpoint returning the duplicate generations for the given snapshot has resulted in reporting a double count of generations in the SnapVX and Snapshot child reports and duplicate entries in the Generation report. Between U4P 9.x and 10.1 versions, there is a missing temp used capacity figure that was previously included as part of the system's used capacity from the REST API. Therefore, metrics such as <code>VPUsedCapacity</code>, <code>SpaceSavedCapacity</code>, <code>SpaceSavedPercent</code>, <code>PhysicalUsedCapacity</code>, <code>PhysicalFreeCapacity</code>, <code>PotentialFreeCapacity</code>, <code>LogicalUsedCapacity</code>, <code>ConfiguredRawCapacity</code>, and <code>UnconfiguredCapacity</code> are affected.
SolutionPack for IBM FlashSystem	<ul style="list-style-type: none"> IBM FlashSystem series do not support Snapshot Group, Consistency Group, and Grid Controller. IBM FlashSystem for Port Performance do not support Throughput and Latency columns.
SolutionPack for Huawei OceanStor	<ul style="list-style-type: none"> SRM does not consider Protection Group(s) as members of HyperCDP Schedule policy. SRM considers only LUN(s) as members of HyperCDP Schedule policy and populates respective policy data when only LUN(s) is selected while creating HyperCDP Schedule policy. Snapshot features are not supported for Huawei OceanStor V5 (5.x version) arrays.
SolutionPack for which snapshot collection option can be enabled or disabled.	Impacted reports and metrics when snapshot collection is disabled for the respective SolutionPacks are listed in this KB article .


Environment and system requirements

This section describes environmental and system requirements in this release.

Table 6. System requirements

Supported Platform	Version
Operating System	<ul style="list-style-type: none"> Red Hat Enterprise Linux: 7 (64-bit), 8.2 (64-bit), 8.4 (64-bit), 8.5 (64-bit), 8.6 (64-bit), 8.7 (64-bit), 8.8 (64-bit), 8.9 (64-bit), 8.10 (64-bit), 9.0 (64-bit), 9.1 (64-bit), 9.2 (64-bit), 9.3 (64-bit), 9.4 (64-bit), and 9.5 (64-bit)

Table 6. System requirements (continued)

Supported Platform	Version
	<ul style="list-style-type: none">• SuSE Linux Enterprise Server (SLES): 12 SP4 (64-bit), 12 SP5 (64-bit), 15 SP2 (64-bit), 15 SP3 (64-bit), 15 SP4 (64-bit), 15 SP5 (64-bit), and 15 SP6 (64-bit)• Microsoft Windows: Server 2012, Server 2012 R2, Server 2016, Server 2019, Server 2022, and Server 2025 <p> NOTE: SRM supports MySQL database only.</p>
Browser	<ul style="list-style-type: none">• Google Chrome: Latest• Internet Explorer: 11• Microsoft Edge: Latest• Mozilla Firefox: Latest• Apple Safari: Latest
Database (64-bit)	<ul style="list-style-type: none">• Red Hat Enterprise Linux 7.x, 8.x, and 9.x: MySQL 8.0.x• SuSE 12 SP4 and SP5: MySQL 8.0.x• SuSE 15 SP4, SP5, and SP6: MySQL 8.0.x• Windows Server 2012: MySQL 8.0.x• Windows Server 2012 R2: MySQL 8.0.x• Windows Server 2016: MySQL 8.0.x• Windows Server 2019: MySQL 8.0.x• Windows Server 2022: MySQL 8.0.x• Windows Server 2025: MySQL 8.0.x

Installation and upgrade considerations


For installation and configuration instructions, see the Dell SRM Installation and Configuration Guide. For upgrade instructions, see the Dell SRM Upgrade Guide.

Where to get help

The [Dell Technologies Support site](#) 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.

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.