Entuity v19.0 Patch Notification

December 15th 2021

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Version 2021.12.15

We are pleased to confirm the availability of **patch P04** for **Entuity v19.0**, which has now been certified for customer use; further details of the benefits to be gained from this patch are set out in the table below.

Latest Patch Details

New in v19.0 P04

Please refer to the [Knowledge Base](#) on the Entuity Help Center for help and information on functionality added in this patch.

Functional Area	Platform(s)	Description
Configuration Monitor	All	Partition of the existing Configuration Monitor permission into the following new permissions: • Configuration Monitor Administration • Configuration Monitor View Config • Configuration Monitor Check Config • Configuration Monitor Download Config
Dashlets	All	Addition of optional check boxes to tables in dashlets to improve the ease of selecting rows or headers in any table that allows selection of multiple items. Addition of an option to fix one or more sorted columns in a table so that other columns can then be sorted according to the fixed column(s),

		e.g. sorting by and fixing the 'Name' column of an Incidents List table, then sorting the table by the 'Source' column as they relate to the fixed 'Name' column.
Event Management System	All	Addition of option to include columns to the Incidents List and Events List dashlet that display the values of custom EMS attributes created by the user in the event project, e.g. through event rules or triggers.
Flow	All	Addition of a new flow-based user group permission, Flow Viewing, which enables a user to view flow contents only. Renaming of the Flow Inspection permission to 'Flow Management'. This permission still enables permission for starting, stopping and configuring flow, and access to the Flow Inventory administration page.
Manual Topology	All	Improved UI for the Manual Topology page and addition of a new form for creating custom connections, including use of a device explorer to select links. Addition of the option to create a custom connection from any part of the UI in which a user can select two devices, e.g. search results, View contents, Drop Box, etc. Previously this option was only available from the Topological Map. Addition of the option to edit a custom connection directly from a Topological Map.
Security Assertion Markup Language (SAML) v2.0 Integration	All	Addition of support for SAMLv2 authentication for exchanging authentication and authorization identities between an identity provider (e.g. Okta) and Entuity.

Improvements and Fixes

Functional Area	Platform(s)	Description
Asset Credential Management	All	Fixed an issue whereby adding an SNMPv3 credential would prevent the receipt of traps.
Asset Management	All	Fixed an issue whereby, after saving changes, the SNMP Timeout value in the Managed Asset form's Advanced Settings would incorrectly display in milliseconds. It now displays in seconds as intended. Addition of the following column options to the Managed Assets page: • sysOID • SNMP Port Number • Capability • IP Version Fixed an issue whereby discovered devices could not be automatically taken under management due to certain HTTPD/TomCat port configurations. Improvement to consistency of discovery results. Fixed an issue preventing OS monitoring of Windows Server 2012 R2. Fixed an issue whereby attempting to add a Custom Device via the Managed Assets page would fail.
BMC TrueSight Operations Management Events Integration	All	Fixed a naming inconsistency that meant it was not possible to monitor a Pure Storage device in BMC TrueSight.
BMC TrueSight Operations	All	Fixed an issue caused by a change in browser interpretation of the SameSite cookie attribute,

Management Presentation Server Integration		which would break the Entuity integration with BMC TrueSight Operations Management Presentation Server Integration.
Configuration Monitor	All	Fixed an issue where a warning message was displayed stating that the transport type is not supported when using the 'Check Configuration Now' button on the Configuration Monitor dashboard. Fixed an issue affecting devices that were newly configured for configuration monitoring and with change-based retrieval enabled, whereby configuration files are not uploaded as a result of changes made to the device's configuration.
Dashlets	All	Fixed an issue whereby a user could not sort by up/down ports in the Service Components dashlet. Fixed an issue whereby charts could not display a negative value in the Y-axis even if the data type permitted negative values. As a result of this fix, it is now possible to display a Y-axis range with a minimum and/or maximum that is lower than zero. Fixed an issue whereby filters applied to Table dashlets at design time could not be toggled off. Fixed an issue whereby a chart for a device would fail to render when opened in a new tab, if the device belonged to a View that had a comma in its name. Fixed an issue whereby charts opened in a new tab could not have their timeframe changed. Fixed issues affecting the Gauge dashlet:

		• A threshold would only be displayed on the dashlet if it had been overriden. • Thresholds would not be automatically applied for attributes dragged into the dashlet from the Drop Box. Fixed an issue whereby the Key Info dashlet ignored the timeframe parameter, which caused discrepancies between the status summary value and the data in reports.
Device Support	All	Addition of new vendor files for improved device support. Change so that it is no longer possible to add Dell EMC VNXe3100, VNXe3150 and VNXe3300 storage devices because of an issue whereby connection logging could cause operational problems due to running out of free disk space. Improvement to the uemcli collector used to connect to Dell EMC VNXe (Unity) storage devices. Improved support for the following: • Alteon Loadbalancer ENHANCED-RADWARE-MIB • Array Networks OS9 performance and inventory • Aruba ClearPass performance and inventory • Aruba Mobility Controller performance and inventory • Aruba stacked switch performance and inventory • Check Point firewall memory • Cisco ASA HA status • Cisco FirePower device performance and inventory

| | | Cisco IE device inventory Dell EMC OS10 switch performance and inventory Draytek device memory FireEye device memory Gigamon device performance and inventory LANcope Stealthwatch device inventory Meinberg NTP device inventory MicroSemi NTP device inventory OpenGear device performance and inventory Radware device reboot detection SilverPeak device inventory Stonesoft Forcepoint performance Zyxel ES Serie device performance and inventory
Addition of support for negative temperature values from CISCO-ENVMON-MIB.

Addition of support for Active Sessions on Juniper SRX devices.

Fixed issues affecting IPv6 management:
Remote terminal and config monitor did not work for an IPv6-managed device in a zone.
No ICMP latency data was available for IPv6-managed devices.
Fixed issues affecting and improved support for the following storage device types: Dell EqualLogic Dell PowerEdge iDRAC SSH Dell Isilon SSH Dell EMC VNX |

		• HPE Nimble • NetApp SSH • Pure Storage Fixed an issue affecting server and storage devices whereby Sensor Component Events were not raised when they should have been.
Device Support	Linux	Fixed an issue whereby Windows Server monitoring using WinRM on Linux would fail when Entuity was running under a non-root user account.
Event Management System	All	Fixed an issue whereby Power Supply Unknown Status events were raised on devices where unreachable.
General UI/UX Improvements	All	Fixed an issue whereby some SNMP value strings were incorrectly formatted as hexadecimal.
ICMP Monitor	All	Fixed an issue whereby IPv6 addresses were not pinged on devices when the ICMP Monitor was set to ping management IP addresses only.
Maps - Topological Maps	All	Addition of zoom + and − buttons to the Topological Map. Addition of an option to include one or more draggable and resizeable text boxes to the Topological Map.
Polling	All	Fixed an issue whereby the OS Services dashlet would be slow to update. Fixed an issue whereby, for some devices, the state for the following stream attributes was incorrectly always set to OK: • DeviceState.deviceState • PortState.portState • HwSensorState.sensorState • HwSensorState.sensorStateDetail Fixed an issue whereby incorrect ICMPLatency

		rollups were produced due to rollup calculations being executed too early.
Reporting	All	Fixed an issue affecting the Report Builder, whereby reports containing user defined report attributes could not access the specified prime time, and therefore the defined attribute would display a null value.
RESTful API	All	Fixed an issue that could prevent a user from using the POST method to raise events on an Entuity server. Addition of a source field to the Events RESTful API POST call. Fixed an issue affecting the RESTful API functionality for Credentials whereby calling the GET method request in XML would result in an error.
Security Updates	All	Update to the Log4j v2 library to fix the CVE-2021-44228 vulnerability. Update to the latest versions of the following third-party software: • Apache HTTPD updated to version 2.4.51 • Apache Tomcat updated to version 9.0.53 • JRE updated to version 11.0.12
System	All	Improved topology discovery of links between applications and servers.

Notes

Important: Entuity recommends upgrading to this latest patch as soon as possible in order to fix the CVE-2021-44228 vulnerability in the Log4j v2 library.

Entuity is supplied with the RSSO client version 20.02.00. Your RSSO client version should not be greater than the RSSO server version. Please contact Entuity support if your RSSO server version is less than 20.x in order to obtain a compatible RSSO client.

Entuity recommends that all servers in a multi-server configuration run the same patch version.

Downloading Patches

Patches for all supported platforms are available from the Entuity FTP site:
ftp.entuity.com/

The site is arranged into separate directories for each Entuity version, operating platform and patch number. Each directory also includes a readme file and any other relevant documents, including checksums, which you are advised to verify before applying each patch. Patches must always be applied via the Patch Installer, which will ensure they are applied in a consistent and reliable manner.

Access to the Entuity FTP site requires a valid username and password that can be obtained from Entuity Support. For added security, the FTP site requires connection via SFTP.

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