Entuity for BMC TrueSight Operations Management v20.0 Patch Notification P05

May 1, 2023

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Version 2023.05.01

We are pleased to confirm the availability of **patch P05** for **Entuity v20.0**, 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

Improvements and Fixes

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
Asset Management	All	Addition to the 'Managed Assets' table on the Asset Management page of a 'Name Using' column to quickly show the device display type (e.g. 'Polled Name/IP Address', 'Resolved Name', 'System Name' etc). Improvements to the UI for creating a new auto discovery profile: • Addition of parent switches for server hardware discovery, server OS discovery, and storage discovery options. • Change so that WinRM, SSH and server OS discovery scans are now disabled by default. • Renamed the field for specifying REST API port list from 'REST API' to 'Server and Storage' for clarity. Removal of support of SSH connection for NetApp storage devices. As a result of this change, only SNMP is supported for NetApp storage devices.

		Fixed an issue whereby an SNMP device with misconfigured interfaces would be skipped for discovery. As a result of this fix, such a device will be discovered using its discovery IP.
BMC Atrium CMDB Integration	All	Fixed an issue whereby Atrium exporter would not complete.
BMC Remedy Single Sign On (RSSO) Integration	All	Fixed an issue whereby some RSSO authentication setups would delete the Entuity cookie in the HTTP header, causing users to be unable to log in to Entuity.
Credential Management	All	Fixed an issue whereby credential and device configuration caches were incorrectly not updated when changes were made to configuration management credentials.
Configuration Management	All	Addition to the 'History' tab under the Configuration Management page of a button enabling users to terminate config management jobs that are in progress. Fixed an issue whereby updating the config retrieval for a device via RESTful API using Boolean values would fail without warning the user, and therefore the Configuration Monitoring UI dashboard would not be updated. As a result of this fix, the user is warned that only integer values are accepted for this attribute. Fixed an issue that could cause a configuration management job to remain in an 'In Progress' state if one of its constituent steps produced more than 64Kb of output. As a result of this fix, step outputs are truncated to 65Kb. Addition of an optional configuration task parameter 'SSHTermInfo'. If provided, this value will be used when establishing an SSH connection. The format is

		<type>,<columns>,<lines>, e.g. ansi,100,40.
Custom Webhooks	All	Addition of functionality to add a webhook endpoint to a specified custom webhook group via a RESTful API POST call. Change so that the rule name of a webhook rule must be unique within a custom webhook group.
Dashboards	All	Addition of new system dashboards: • Hw Blade Summary dashboard. • Hw Disk Controller Summary dashboard. Fixed issues affecting event projects with saved custom attributes: • In multi-server installations, the Incidents List dashlet column displaying the custom attribute was incorrectly missing when the Incidents dashboard was viewed from the context of a specific device or port. • Table filters applied to the Events dashboard and Incident dashboard were not retained after refreshing the page. Addition of a 'DPE' table dashlet to the Resources dashboard for server devices, and replacement of the 'Controllers' table dashlet with a 'Storage Processors' table dashlet.
Dashlets	All	Fixed an issue affecting table-type dashlets, whereby if a table filter or a table column contained a colon (:) or comma (,) then any saved table filter would thereafter not be retained following a page refresh. Addition to the Table dashlet of an option to override the default 'Display

		Type' of a column, so that a user could e.g.: • Modify a 'Last Reboot Time' attribute to 'Time since timestamp' and see the up time. • Select 'String' to display raw, unformatted values. • Change the number of decimal places used for % data.
Device Support	All	Fixed an issue that caused monitoring of non-English versions of Windows OS to fail. As a result of this fix, non-English versions of Windows OS are now supported for monitoring. Updates to server and storage device support, including new streams, attributes, thresholds and events.
Flow	All	Fixed an issue whereby user defined flow data groups (for a custom flow breakdown) were incorrectly not displayed as an option to add in the 'Add Breakdown' form of the Flow Data dashlet.
General Performance Improvements	All	Improvement to performance and efficiency of updates sent from the Entuity MAC polling process (macman) to StormWorks.
General UI/UX Improvements	All	Fixed an issue that could cause an error when opening the right-click context menu on VM, server or and storage-type devices.
Maintenance Mode	All	Fixed an issue that prevented users from removing selected devices when creating or editing a maintenance schedule, and UI improvements to the Maintenance Mode page and functionality forms.
Remote Terminal	All	Addition to SSH connections of an option enabling selectable behavior for the enter key.

| Reporting | All | Improvement so that the list of attributes in the 'Display Type' column of the Report Builder is now sorted alphabetically.

Fixed an issue whereby ASCII control characters in a config retrieval file would cause the Device Configuration Diffs report to fail. As a result of this fix, any control characters found after saving a diff are by default replaced with a '?' character, which can be edited via entuity.cfg.

Addition of an option in entuity.cfg to enable the embedding of images in HTML reports.

Fixed an issue affecting the creation of custom reports, whereby the display type (e.g. CPU%, timestamp, etc) for attributes displayed in a chart or table, when set to 'Auto', incorrectly did not match the configured display type for those attributes.

Improvement to troubleshooting of flex reports. |
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| SDN Controller | All | Addition of provisional support for APIC clusters. |
| Security Assertion Markup Language (SAML) v2.0 Integration | All | Improvement to render the SAMLv2 integration more tolerant to unrecognized attributes when interpreting assertions. |
| Security Updates | All | Security improvements when using winrm.py for server management.

Update to use Java EE email library for EMS email forwarding rules.

Updated Apache Commons FileUpload to latest version 1.5.

Updated jquery to latest version 3.6.3. |

| | | Updated Content Security Policy used for Geographical Maps.

General security updates and improvements. |
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| System | All | Fixed an issue whereby users could not log in to Entuity if the Entuity install was configured to use a non-default log directory.

Increase to the max_allowed_packets size in MariaDB to 32M, to accommodate operations requiring higher limits for packet size (e.g. updating a large EMS project). |
User Account Management	All	Fixed a potential issue when users are granted 'Share Views' tool permission.
User Defined REST Polling	All	Fixes and improvements to User Defined REST Pollers and the events raised on their attributes.
Virtualization	All	Increase of VMGuestName column size in the database to 256 characters, allowing longer VM names to be stored.

Notes

As of Entuity v21.0 GA and Entuity v20.0 P05, email sender domains are validated for correctness. This means that the 'emailFrom' field configured in Entuity must now be valid, and must not contain illegal characters as defined in the RFC 1034.

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/), and the Product Downloads section of the BMC Support Central site (https://www.bmc.com/support/support-central.html).

The Entuity FTP site is arranged into separate directories for each 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 BMC patches on the Entuity FTP site requires a valid username and password that can be obtained from BMC Support. For added security, the FTP site requires connection via SFTP.