Entuity® Network Analytics (ENA) for BMC TrueSight Operations Management

v17.0 Patch Notification

December 20th 2018

Technical Bulletin December 20, 2018

Version 2018.12.20

We are pleased to confirm the availability of **patch P03** for **ENA v17.0**, 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 ENA v17.0 P03

Functional Area	Platform(s)	Description
Moogsoft integration	All	New ENA integration with Moogsoft AIOps. Introduction of an Event Management System Action that forwards incidents to Moogsoft.
BMC TrueSight Operations Management Presentation Server Integration	All	Introduction of v2 of the ENA integration with BMC TrueSight Operations Management Presentation Server: ● improved scalability through introduction of ENA Views in the network dashboards. ● improved incident visibility through addition of a new Incidents Details dashboard that is accessed directly from the given network event in TSOM event viewer. ● improved UI performance.
RESTful API	All	Enhanced functionality with RESTful API events and incidents, including: ● addition of the ability to update an incident via an incidents POST call.

| | | ● addition of the ability to raise an event via an events call. |
| | | ● updated SNMP v3 encryption protocols to include AES192 and AES256. |

Improvements and Fixes

Functional Area	Platform(s)	Description
Auto Discovery	All	Fixed an issue that prevented Auto Discovery scheduling from being disabled. Change so that once an Auto Discovery is started, all options in the Auto Discovery dialog box are disabled and frozen except for "Stop". The user now has to stop the Auto Discovery and start another if they want to change its options. Improvement so that devices discovered after Auto Discovery has run, and that have already been added to the Device Inventory, cannot be re-added to the Inventory.
BMC TrueSight Operations Management Events Integration	All	Fix to improve the synchronization of incident status between ENA and BMC TrueSight Infrastructure Management.
Configuration Management	All	Fixed issues whereby changes to device settings on the Configuration Monitor dashboard prevented configuration monitor tasks from running. Improvements to ensure consistency in configuration monitor settings between View and device level. Fix to the process of editing multiple devices in Configuration Monitor, whereby the Retrieval Task field would be empty if the devices had different

		inputs, or would forcibly select an input mutual to all devices. Now the field will read <Multiple Inputs>, and the user is able to change to the mutual input if so desired.
Dashboards	All	Improvement to dashboard editor when creating a dashlet that has as its source another dashlet in the dashboard. It is no longer possible to select a dashlet that will not provide a valid context. Usability improvements to system dashboards for wireless devices. Fixed a caching table entries issue that caused deleted dashboards to reappear when changing dashboard order on the Dashboard Configuration page. Fixed an issue whereby an exception could be thrown when changing the page to a dashboard with a table, caused by certain browser plugins.
Dashlets	All	Improvement to chart dashlets so that users can now add streams for attributes from associated objects to a custom chart.
Device Inventory	All	Fixed an issue that prevented column selections from being saved on the Device Inventory page.
Event Management System	All	Improvement to the Event List and Incident List dashlets so that users can now highlight rows based on severity, whereby different colors represent different severities. Fixed issues affecting event suppression scheduling. Fixed an issue that caused Device Unreachable events to not be seen for some recently added devices. Improvements to EMS UI. Improvement to simplify Event List and Incident List dashlet severity filter.

		Fixed event descriptions for Cisco ACI incidents. Fixed an issue that caused the Event Details form to truncate the event contents. Fixed an issue whereby the Events List dashlet 'All Events' filter would not work after the user saves their dashboard. Fixed an issue whereby the Incident Details Context Menu option was only available for non-admin users when that user has the 'Incident Editing' tool permission. The option is now visible to all users. Fixed an issue affecting event and incident dashlets that had a filter that was then cleared. The dashlet would not update to reflect the absence of a filter. Fixed an issue whereby the Incident List dashlet would not display if the default filter contained an assigned user. Improvement to EMS to expire incidents on objects that have gone stale or have been removed from management.
Flow	All	Improvement to the Flow TopN Summary dashlet to better suit the dark theme.
General Performance Enhancements	All	Improvement to reduce the time taken to modify a device on the Device Inventory page.
General UI/UX Improvements	All	Addition of UI to enable the generic edit of objects, allowing users to create, edit and delete user-controlled objects, and edit the association of those objects to each other and/or existing discovered objects. Addition of the managing server name to and removal of the web UI image from the Key Info dashlet.

		Improvement to error message for reassigning flow collection, which now indicates where a fix is required.

Fixed issues affecting visibility of text when ENA was switched to the dark theme.

Fixed an issue affecting visibility of the QoS icon when ENA was switched the dark theme.

Fixed an issue whereby the Text Dashlet did not change appearance when ENA was switched to the dark theme.

Fix to give a relevant error when an empty username is submitted on login.

Addition of a warning when leaving the Application Port page without saving changes.

Fixed an issue whereby no input validation was conducted on any number range filter, which meant that an invalid entry would cause an exception. |
| Integrations | All | Updated SSO to work with other authentication types, and to redirect users logging in via this method to their preferred homepage if not specified in the URL. |
| NBAR | All | NBAR is now disabled by default to reduce management traffic.

Fixed an issue whereby the NBAR TopN Summary dashlet would not load. |
| Polling | All | Fixed an issue whereby eyePoller continued to poll ports after they became stale. |
| Reporting | All | Improvement to error messages for TopN reports, to include the number of ports in the View to help the user increase the Maximum Calculated Ports figure accordingly. |

		Fixed an issue whereby subreports of the TopN Port Error Rates report would cause the whole report to fail if requested to show charts.
		Fixed an issue that caused Infrastructure Availability report to crash if no objects were present.
		Fixed an issue that caused MPLS LDP Peer Details and MPLS LDP Label Details reports to crash.
		Improved performance of Green IT Perspective report.
		Removal of the consolidate option from TopN reports. This means that the reports always consolidate when 'All Servers' is selected, and it is no longer possible to produce a single TopN report for all servers broken down by individual server.
SDN Controller	All	Fixed an issue that prevented a single Entuity server from monitoring multiple Cisco ACI APICs.
		Fixed an issue whereby the data in the Cisco APIC PODs table could pertain to the wrong APIC if more than one Cisco APIC device was under management.
Security Updates	All	Security improvements, fixes and updates.
		Addition of optional password complexity rules for internal user passwords.
Services	All	Addition of a Server Name column to the Services Summary dashlet table.
System Information	All	Fixed an issue whereby clicking the server process health icon would not link to the correct server's details.
		Improvement so that exports to csv of the System Information page will convert status icons to a string of "[icon name]:[description]".

System Tools	All	Performance fix to the swmaint utility to the to allow cleanup of incidents for deleted objects.
Views	All	Improvement to ensure that when a View is created or edited, the webpage will navigate to that View. Fix to ensure that Views appear first in the View Contents dashlet table, above other object types such as services, network paths etc.
Virtualization	All	Fix to support for ENA's HyperV module's identification of virtual machines on the latest versions of Windows where these use Spanish and Portuguese language.

Notes

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

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

Before installing this patch, please check whether the server's sw_site_specific.cfg file is empty. If not, please send its contents, together with copies of any referenced files, in a request to BMC Support who will ensure their compatibility with the patch and, if necessary, provide new files to be applied before installing the patch.

When installing a new patch for BMC TrueSight Operations Management Presentation Server, you will need to uninstall the old Entuity component, replace it with the new one, and then reinstall the component.

When installing a new patch for the BMC TrueSight Operations Management Events Integration, you will need to replace an integration rule file on the server that is hosting the TSOM cell, and then recompile it. Please refer to the Knowledge Base for further help and information on this process.

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 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.