

Entuity® for TrueSight Operations Management

16.5 Patch Notification

Technical Bulletin

Version 2017.04.18

April 18, 2017

We are pleased to confirm the availability of patch **P01** for **Entuity for TrueSight Operations Management 16.5**, which has now been certified for customer use. This Technical Bulletin provides an overview of the new features in this major patch release, together with information on how to obtain the software.

Principal Changes

- **Data Migration Utility**
The new Migration utility allows device and sub-component data to be moved between Entuity polling servers. The utility can be used to provide continuity of data during upgrades and improved resilience. Multiple servers can be consolidated onto a single server or single servers split across multiple servers.
- **Enhanced RESTful API**
The version upgrade of RESTful API includes the new Data Access Interface, a powerful, highly configurable interface for accessing Entuity's internal data such as attribute values, and stream data.
- **Integration with BMC TrueSight Operations Management**
The Entuity Data Analytics for your network can now be integrated into BMC TrueSight Operations Management. Monitor network Services, Devices, Ports and Events directly in the BMC Presentation Manager.
- **Improved licensing for Virtual Machines**
Enhanced support for Virtual Machine installations with VMotion technology. Licenses will remain valid following VMotion server migrations.
- **Enhanced support for Cisco Meraki Cloud Controller Devices**
Improved support for Cisco Meraki Cloud Controller devices, allowing the UDP port for Meraki device SNMP polling to be specified. Enhancements have also been made to Entuity's trap receiver enabling traps to be received on multiple ports.
- **Enhanced UI for Wireless Controller Devices**
Improvements to visibility in the WebUI to ease navigation and remove the need to navigate via the "Advanced" tab.
- **Enhanced UI for VMs**
Addition of status icons to Virtual Machine summary tables and power status to Virtual Machine attributes.
- **Enhanced Event Suppression**
Added ability to filter the suppression list by date range and a new optional "Event Suppression" column in the Explorer View Summary. Event suppressions can now also be displayed per component (in the Events section at the top of each component page).
- **Improved flexibility of permissions for incident editing**
The permission to edit Incidents is now controlled at the user group level. Non-admin users are denied incident edit privileges by default, but it can be granted on a per user group basis.
- **Added VLAN support for Alcatel Lucent Devices**
New VLAN discovery scheme to support Alcatel Lucent devices.
- **Added Device support**
 - Atlantis USX Manager
 - Brocade ICX6610_24F

- Cisco C3560CX
- Cisco C800
- Cisco NX9396TX
- Huawei MA5608T
- Juniper PSA3000

Latest Patch Details:

Functional Area	Platform(s)	Problem Description
Application Monitor	All	<p>Update to the ICMP Monitor Settings for filtering Management addresses. From Add Exclude Addresses:</p> <ul style="list-style-type: none"> - Selecting the Management option will exclude Management addresses and non-management addresses from the range to be polled. - Not selecting the Management option will exclude non-management addresses only. Management addresses will continue to be polled. <p>Fixed an issue whereby Device Unreachable events configured on the ICMP Monitor page were not generated after upgrade from Entuity 16.0 to 16.5.</p>
Configuration Management	All	<p>Fix to correct Configuration Monitor task exceptions in LDAP and Local authentication modes, whereby the username "admin" was required but not available.</p> <p>Fixed an issue whereby the presence of a ` character in the configuration file would cause configuration to not be displayed in the web UI.</p>
Device Support	All	<p>Various enhancements and fixes in device support, including:</p> <ul style="list-style-type: none"> - Fix to enable changes from SNMPv3 to v1 or v2c. - New vendor files added for Cisco, Dell and Huawei devices. - Added a new IP scheme and updated associated vendor files to collect VLANs on Alcatel Lucent devices. - Enhanced support added for Huawei and Cisco Meraki devices. - Fix to display correct host count on Trapeze wireless devices. - Fixed an issue whereby the Loadbalancer Virtual Server stream values for Current Sessions displayed incorrect values for data that was more than 8 days old.
Event Management System	All	<p>Added support to the Event Suppression page to enable filtering by date of the suppression list and saving of column preferences.</p> <p>All related event suppressions for a specific server or all servers can now be viewed on the Event Suppression admin page.</p> <p>Fix to time zone errors on the Event Suppression page.</p> <p>Fix to an issue whereby active or scheduled suppressions on sub-components were not displayed</p>

		<p>on the Object Summary and Event Suppression pages.</p> <p>Addition of "Event Suppressions" column to the View Summary page table.</p> <p>Introduction of new incident editing permission, whereby a permissioned user can edit/add annotation for an incident, close an incident, or expire a closed incident.</p> <p>Addition of the device name to improve the source field in Loadbalancer events.</p>
Flow	All	<p>Fix to the average flow packet rate figure displayed in the Flow Information section of a device. Flow information had previously showed values significantly lower than the correct rate.</p> <p>Fix to the Flow Collector shutdown process to ensure shutdown completion.</p>
Inventory Administration	All	<p>The Device Add/Modify panel of the Inventory page now allows the UDP port for device SNMP polling to be specified in its own dedicated field.</p> <p>Fixed an issue that could cause the proliferate process to fail when many devices are sharing an IP address.</p>
Licensing	All	<p>Fixed an issue whereby central licensing server credits could not be edited once the maximum number of clients was allocated.</p>
Remote Terminal	All	<p>Fix to Remote Terminal to ensure connection to remotely managed device where the remote server is not running on a standard web port.</p> <p>Fix to allow SSH connections where authentication is not required.</p>
Reporting	All	<p>New report added for Switch Connectivity.</p> <p>Fixed an issue that affected the height values of custom charts.</p> <p>Fixed an issue whereby reports could fail when one or more servers did not respond.</p> <p>Enabled permission of the underscore character for email entry in Report Scheduling.</p> <p>Fixed an issue whereby Switch Port Connectivity reports could fail.</p> <p>Fix enabling a Flex Report to be deleted via its Advanced Tab.</p> <p>Enhancements made to the QoS Utilization report. BPS added to report options. Legend colours updated to match chart.</p> <p>Enhancements that improve email address validation, and enable comma- and semicolon-separated lists of email addresses.</p> <p>Addition of a new StormWorks function to simplify the creation of composite reports in the Report</p>

		Builder.
RESTful API	All	<p>Groovy/REST scripts can now run from any directory.</p> <p>It is now possible to re-add a device to the Inventory where the original attempt was unsuccessful.</p>
Security Updates	<p>All</p> <p>All</p> <p>Windows</p> <p>All</p>	<p>Updates to include the latest security fixes and updates.</p> <ul style="list-style-type: none"> - Tomcat updated to version 7.0.75 - Apache HTTPd updated to version 2.4.25 - OpenSSL updated to version 1.0.2k <p>Enhancement to enable a limit to the number of concurrent login sessions.</p>
Services	All	Fixed an issue whereby stale service components were being displayed on the Service Summary page.
System Executables	All	<p>Fixes to SNMP Eyepoller and Ticker for SNMPv1 support.</p> <p>Fixed an issue that arose after a DsKernel restart, whereby user-defined stream attribute collectors would be displayed as if they were object attribute collectors.</p> <p>Fixed an issue that could cause Tomcat to fail when reverse DNS lookup returned an empty host name.</p>
Third Party Integrations	All	<p>Fixed an issue whereby Configure defaults were ignoring Atrium configuration settings.</p> <p>Enhancement that enables a -silent parameter to be passed to Remedy if a user does not want a help desk ticket to show in the browser.</p> <p>Introduction of a setting to enable event submission to BEM over HTTPS rather than HTTP.</p>
Topology Map	All	Fix to map rendering issues following a recent Chrome browser update.
Trap Processing	All	<p>Enhancement to the prologV2 trap receiver so that it now receives traps on multiple ports.</p> <p>Fixed an issue whereby the EMS Send SNMP Trap action was not sending varbinds in the order of the varbind list specified in the trap definition.</p>
User Defined Polling	All	Fixed issues with the User Defined Polling import/export script. User defined thresholds are now visible on the target systems.
Virtual Environment	All	<p>Enhancements to the virtualization process to fix an issue whereby the process could crash.</p> <p>Addition of status icons to the table of VMs in the Hypervisor Summary page.</p> <p>Addition of power status to the list of attributes shown in the VM Summary page.</p>
Web User Interface	All	<p>Fixed an issue that could cause the "Show views containing zero issues" option to not work correctly.</p> <p>Fix to ensure Entuity Health pages work for non-admin users.</p>

		Fix to allow drag and drop from the Object Summary tables.
		Fix to ensure values are displayed in the Host Names attribute of a port.
		Enhancements to the appearance of wireless and QoS modules in the WebUI to improve navigation.

Important Notice

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 P02 and, if necessary, provide new files to be applied before installing the patch.

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 or FTPS.

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