

Entuity® 16.5 Release Notification

Technical Bulletin

October, 2016

We are pleased to confirm that the latest version of Entuity, to be known as **Entuity 16.5**, is now available for customer use. This Technical Bulletin provides an overview of the new features in this release, together with information on how to obtain your copy of the software.

Principal Changes

- **Enhanced Multi-tenant Support**
Entuity 16.5 supports overlapping IP address spaces, allowing MSPs and enterprises with multiple networks using the same address ranges to be managed on a single Entuity server.
- **Entuity Configuration Management Enhancements**
Entuity 16.5 replaces the Configuration Monitor module by integrating and extending its functionality using the Configuration Management framework. Configuration monitoring tasks are still distinct from management tasks, with different user permissions and running locally on the Entuity server managing the device.
- **New SurePath Module**
SurePath® allows you to monitor and troubleshoot network paths, identifying the actual path traffic takes across a network between two devices.
- **Extended VMware vCenter Metrics**
Entuity 16.5 collects status and performance data for ESXi VMs and traffic data for hypervisor NICs. Entuity 16.5 also introduces the detection and alerting of VM moves.
- **View Filter Enhancements**
View filters are enhanced to allow filtering of devices by IP Range, where only the management IP address is considered.
- **MIB Browser**
The MIB browser is available from a new device-level tab in the Explorer. It provides MIB browsing functionality from SNMP managed devices and also acts as a launch point for Ticker.
- **Ticker**
The new web based Ticker allows you to view real time output at the device and port level. You can view data activity using the supplied variables or variables identified using the MIB Browser.
- **Remote Server Availability Monitoring**
In Entuity 16.5 central servers monitor and report on the availability of their remote servers, suspending querying of unavailable remote servers until they are available again.

Additional Changes

- **RESTful API Version 2**
The Entuity RESTful API is enhanced to support functionality which was previously delivered through the eyeclientrpc utility.
- **IP SLA Management**
Entuity Cisco IP SLA monitoring and management is through a new device-level Explorer tab. The Entuity RESTful API now supports creating, editing and deleting IP SLA operations.
- **External Authentication Enhancement**
The Entuity LDAP implementation now includes support for STARTTLS. Entuity LDAP continues to support unencrypted configuration and also LDAP over SSL.
- **Entuity Maps Enhancement**
Entuity 16.5 includes a new user preference to allow the status of links to either reflect the worst status of either end of the link or show the status of each end of the link (default).

- **Enhanced Annotations**
Annotations are displayed and managed through the Explorer device-level General tab.
- **Enhanced Device Reachability Events and Streams**
Entuity 16.5 provides greater control over when and how Device Reachability events are raised.
- **Manage Devices with Duplicate SNMPv3 Engine IDs**
Devices with duplicate engineIDs are not compliant with the SNMPv3 standard. However, some manufacturers do repeat engineIDs and Entuity supports this behavior.
- **Handling of Duplicate Device Names**
When modifying or auto renaming devices Entuity appends the device identifier within brackets to device names that would otherwise not be unique.
- **Explorer Advanced Tab Enhancements**
From the Explorer Advanced tab you can edit scalar attributes.
- **Miscellaneous Changes**
Entuity 16.5 includes an extensive set of enhancements:
 - eyepoller does not poll ports that are set to an operational down state.
 - User Defined Polling allows overriding of device serial numbers, model numbers and version.
 - Enhanced reporting of Entuity Server Status, important in a High Availability configuration.
 - Users can now modify the management level of a device.
 - Network topology links are now retained for 7 days after their last discovery.
- **Deprecated and Removed Functions**
Entuity 16.5 consolidates functionality in one user interface and removes obsolete features:
 - Component Viewer is removed, with its functionality delivered through the web UI.
 - The Tools menu is removed from the web UI; the Search tool is available from the tool bar.
 - Essential Reports were deprecated in Entuity 14.5 and are now removed.
 - eyeclientrpc was deprecated in Entuity 16.0 and is now removed. Comparable functionality is available through the Entuity RESTful API.
 - The Entuity forkevent integration with BMC® ProactiveNet Performance Management was deprecated in Entuity 14.5 and is now removed. The Event Management System's BEM action introduced in Entuity 14.5 is the recommended integration solution.

For more detailed information on these features, please see the Entuity 16.5 Release Notes and visit the Entuity website.

Full details of how to operate the new release are contained in the Entuity 16.5 User Guides. All of these documents will soon be available for your review in the Documentation section of the [Entuity Training Academy](#). If you have any questions regarding these new features, the upgrade process, or need login credentials for the Training Academy, please contact Entuity Support for assistance.

Support Contact Details	
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Things to Consider Before Upgrading to Entuity 16.5

Migration Guide

Before upgrading to the new release, please familiarize yourself with the contents of the Entuity 16.5 Migration Guide, a copy of which will be available from the Entuity Training Academy.

Client and Server Specification

Please check the minimum system requirements in section 1 of the Entuity 16.5 Getting Started Guide to ensure the server on which you plan to run the new release has sufficient resources to do so.

Configuration Files

If you are upgrading from an earlier version of Entuity, please check whether the server's *sw_site_specific.cfg* file refers to any configuration files that were provided by Entuity. If so, please contact Entuity Support who will ensure the compatibility of any such files and, if necessary, provide new files to be applied before upgrading to Entuity 16.5.

Supported Platforms

Entuity 16.5 has been certified to run on the 64-bit editions of all of its supported platforms, namely the English versions of:

- Windows Server 2008 R2, Windows Server 2008 SP2, Windows Server 2012, Windows Server 2012 R2.
- Red Hat Enterprise Linux ES, versions 6 and 7. (NOTE: version 5 is not supported.)
- Oracle Linux 6.

The Entuity 16.5 web UI is certified for use with Internet Explorer 10.0 or later, Microsoft Edge v38.14393 (with EdgeHTML v14.14393) or later, Firefox 38 ESR (Extended Support Release) or later and Google Chrome 46 or later releases; other versions and alternative browsers will not be supported.

The tablet UI is certified for use with the following combinations of hardware, operating system and browser:

- iPad 4 or higher, IOS 7.0.3, Safari
- iPad mini or higher, IOS 7.0.3, Safari
- Nexus 7 or higher (or equivalent), Android Jelly Bean 4.3, Chrome
- Nexus 10 or higher (or equivalent), Android Jelly Bean 4.3, Chrome
- Microsoft Surface (or equivalent), Windows 8.0, IE 10.

Obtaining and Installing the Entuity 16.5 GA Image

This is now available from the Entuity FTP site: <ftp.entuity.com>

The site is arranged into separate directories for each Entuity version and operating platform. Each directory also includes a Migration Guide and other relevant information, including MD5, SHA-1 and SHA-2(256) checksums, which you are advised to verify before installing an image. Please note that the Known Issues note for the Entuity 16.5 GA image highlight a number of minor issues that you should be aware of before installing the software. These will be fixed in software patches that will be the subject of future Patch Notifications.

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 or FTPS.

Support for Earlier Releases of Entuity

Customers are reminded that in accordance with Entuity's product retirement policy, that since November 2015 Entuity 14.5 has been accorded End of Life status alongside all earlier releases of the software. Although Entuity will continue to support such releases, providing technical support and distributing existing software patches, customers are reminded that no further software changes will be made to them. Customers who are still running any of the End of Life releases are strongly advised to upgrade to a fully supported release as soon as possible.