



ENTUITY
SOFTWARE™

Entuity v23.0 Patch Notification P02

July 22, 2026

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We are pleased to confirm the availability of patch P02 for Entuity v23.0, 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.

Notes

Entuity recommends that all servers in a multi-server configuration run the same patch version. It is recommended to merge your deployed EMS project with the latest one in the patch after installation to ensure any fixes or new events/incidents within the EMS system are deployed.

Please note, as of **Entuity v23.0 P01 upwards**, each patch will contain all fixes and changes introduced in prior patches. As such, there will be no need to install patches in sequence. Rather the latest patch can be installed directly as each patch is a complete ISO image and there is no longer an **installPatch** utility.

To install the latest patch, the same steps as installing or upgrading Entuity to a new version should be used, which requires mounting the ISO, running the installer executable, followed by running **configure**. Please see the "Entuity Upgrade Process" section at the end of this document for further information.

Latest Patch Details

Improvements and Fixes in P02

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

Functional Area	Description
Asset Management	Improvement where the Asset Management table now uses device ID as unique identifier, ensuring the rows aren't conflicting for devices sharing a device name.
	Improvement where System Names are now appended with a counter when conflicting with another, allowing users to easily add devices with duplicate system names on network devices.
	Improvement to now assign a device ID at the time a device is added to the queue to be managed.
	Fix an issue where asset onboarding failed in an unrecoverable way if a device's sysoid was not an object identifier.

Autodiscovery	Fixed an issue where an error could occur when saving autodiscovery profiles that were modified or created before system data has been initialized.
Configuration Management	Fixed an issue where user could not import on the Configuration Management page. Fixed an issue on new Entuity v23.0 installations where changes to copied Configuration Management tasks could not be saved.
Configure/Installation	Improvements made to Entuity server backups where only tables that have changed are backed up, free space validation happens before backup attempts are started, and the default thresholds have been increased to 1000 MB and 100 MB for Entuity Server Disk Space Alert incidents. Fixed an issue where certain log files did not honor custom log directory settings that were configured. Fixed an issue where the "--clientaddr" flag was not being honored by the snmpdump tool. Fixed an issue where database backups would sometimes fail when two operations would occur simultaneously. Improvements to the inventory tool to include additional files from Entuity and support of new parameter flags when using the tool such as "-s" to skip flow collector and eventEngine commands or "--max-command-time=N" which is a timeout in minutes. (default is 5), for commands to complete to prevent the command from hanging.
Dashboards	Improvement to the OS Services dashlet where the status icon column is now displayed by default. Fixed an issue where data on ticker graphs wasn't visible. Fixed an issue that caused OS Service incidents/events to not appear in the OS Services dashboard and OS Incidents page. Fixed an issue where the text of VM Status over time in the chart of the Top Level Virtualization dashboard was the same color as the background container box thus making it invisible.
Device Support	Improvement to extend the lifetime of the SNMP sessions Entuity uses for polling assets to prevent managed SNMPV3 devices being probed too frequently for their engine IDs. Fixed an issue where the devsysman log files would show errors for devices that cannot be polled using SNMP. Fixed an issue where the default collection engine configuration did not enforce certificate validation in Entuity v23.0.

	Please note, within the cecfg.properties file the "trustAllCertificates" setting under the "#ssl certificate checking for rest connections" section has been restored to "false" which enforces certificate validation. This may cause an error in polling of server and/or storage devices if they are using a REST API connection method for monitoring and do not have a valid certificate.
Events	Fixed an issue where Link Up or Link Down traps raised by ports on Entuity assets having management level Basic or Ping Only were not visible in the UI.
Entuity Agents	Improvement to the Entuity Agent deletion function to check for existing databases that are being managed before deletion is allowed. New functionality to support monitoring of Nutanix Prism VM Platforms via the Entuity Agent. Improvement to security of Entuity Agent package delivery where Agent packages and blueprints are now digitally signed, and agents verify these signatures before installation. The enforcement level can be configured using the "pkgSignatureMode" setting (off, optional, or required). Please note, the default setting for new Entuity Agents will be set to "required" while existing agents being upgraded will be set to "optional". Fixed an issue where custom package-trust configurations were not preserved upon upgrade. Site-specific settings and additional trusted signing certificates can now be placed in the 'agent/etc/pkg-trust' directory.
Flow	Re-introduced the UI element at the top of the flow graph that displays the currently applied filter. Fixed an issue where flow data may not be collected on certain firewall devices when configured in an HA pair due to the flow data being sent from the same interface IP address on each device.
IPAM	Fixed an issue where IPAM would not work correctly due to being unable to locate the wpcap module on Windows systems.
Maps	Improvement to topology links and trunk detection of non-Cisco devices through LLDP. Improvement to LLDP link topology mapping to include support for Brocade/VDX switches. Fixed an issue where the geographical map view could fail to load when the Marker Color Control flag is enabled for certain configurations. Fixed an issue where the topology map would incorrectly display the BGP Peer remote IP Address on links instead of the local IP address, therefore only showing the details of one of the peers.

REST API	Improvement to allow modification of Entuity Agent names through REST API. Improvements made to the inventory REST API where the device ID is now returned in the response body when adding a device via a POST REST request. Improvement to the inventory REST API where special characters are now accepted for GET requests when using the device name. New functionality where multiple attributes on a single object can be modified in one REST API call. New functionality within the inventory REST API where users can modify, delete, or have device data returned, such as the queue status, of devices that are queued to be taken under management. New REST API functionality added for searching for a pattern of text similar to the Search function within the web UI. Supported query parameters specific to the REST API are specific are pattern (text to be searched), limit (max number of rows to return), "serverId" while also supporting "type", "view", "regEx", "whole", and "ignoreCase" parameters just as they are available in the web UI. Fixed an issue where a basic SNMP device could not be modified through a PUT request. Please note, as of Entuity v23.0 that setting device types via REST API will now not allow invalid types, previously they were accepted and stored as "Unclassified". Fixed an issue where associated assets could not be managed through POST/PUT REST API requests and updated the parameter to "manageAssociatedAssets" to match naming visible in the web UI. Fixed an issue where a non-admin user with group view access permissions to a specific view could receive a 400 Bad Request error when executing a GET request.
Security	New functionality through a configurable parameter within entuity.cfg to optionally disable the ability to display or retrieve Access Tokens belonging to other users including administrator level users. To enable this feature, add the following section to the entuity.cfg file and set the value to true, yes, on, or 1. <pre>[AccessTokens] ShowOnlyOwnAccessTokens=true</pre>
Server/Storage	Fixed an issue where the Parameters service field showed an incorrect (previous) service name when running multiple start/stop jobs on the same OS.

	Fixed an issue where the display names within the Logical Volumes table were missing in the Summary dashboard of a monitored operating system when upgrading to v23.0 P01. Fixed an issue that caused error logs to appear on the first polling cycle for storage devices and operating systems. Fixed an issue where monitored operating systems were not honoring when a device's "Poll Status" was set to "Non-Polling". Improvement to server and storage monitoring by introducing 'Life Remaining Percent' as a new stream applicable to SSD physical disks and is now available on the following collectors: • Dell Compellent (REST) • Dell EqualLogic (SNMP) • Dell iDRAC (SNMP) • Dell PowerStore (REST) • Dell XtremIO (REST) • EMC Isilon (SSH) • Hitachi VSP (REST) • HP 3PAR (WBEM) • HP iLO (REST) • HP iLO (SNMP) • HP Moonshot (REST) • HP Nimble (REST) • IBM OS400 (SSH) • IBM/Lenovo XClarity IMM (REST) • NetApp E-Series (REST) • NetApp (REST)
UI	Fixed an issue where the device name was not displayed in the Context column of the results table when searching for a value within annotation.
User Defined Polling	New functionality to now support authenticated proxy usage for collection engine and User Defined REST monitored devices. Please note, this will tunnel all collection engine polling, including server and storage devices, via proxy. Improvements where additional streams across many object types are able to have User Defined Thresholds created. Fixed an issue where values within special characters such as angled brackets, "<>", were not supported thus causing errors. Fixed an issue whereby imported UD Poller definitions sometimes had incorrect connection URLs. Fixed a bug whereby it was not possible to add thresholds on SNMP UD attributes.

Views	New functionality through a configurable parameter within <code>entuity.cfg</code> where <code>UserInactivePeriod</code> can be set to a value in seconds. When this parameter is set, device status calculation on the inactive user's My Network view would stop thus improving view performance in large Multi-Server environments with a high number of inactive users. Fixed an issue where certain assets would not populate a view when using a filter that uses an IP range with the Management IP Only option selected.
Virtualization	Improvement to polling performance of VMWare virtual platforms. New functionality to set a per-organization timespan value in seconds for retrieval of VPN stats and statuses as a configuration variable. Setting this parameter reduces the period of data to be reduced to the last 'x' number of seconds to address errors received from a Meraki controller due to the response being too large to compute and is defined by supplying <code>organizationId:timespan</code>. This can be configured by adding the following to the <code>entuity.cfg</code> file, the example below sets the value for two organizations provided as a comma-separated list. <pre style="padding-left: 40px;">[ccm] organizationtovpntimespan=587343:600,3667618946539849370:600</pre> New functionality through a configurable parameter within <code>entuity.cfg</code> to optionally skip "haNetworkFolder" for direct ESXi host monitoring to avoid an issue on vSphere setups with high availability enabled that causes abnormally high latency. Please note, enabling this will lose Distributed Virtual Switch data from the ESXi host but will reduce polling time to be under 5 minutes on systems where this is a problem. Fixed an issue where certain Meraki environments that require HTTP redirects could have issues polling. Fixed an issue where queries that result in paging for further data on certain Meraki environments were not correctly setting the startAfter value for the next page of data. Fixed an issue where all devices may not have been identified on Cisco Catalyst SD-WAN (Viptela) environments due to a device ID conflict and the site ID being a large number. Fixed an issue where non-default ports entered within Asset Management were not being honored when monitoring Nutanix Prism VM Platforms. Fixed an issue where Total CPU on VMware Virtual Machines would not be accurate thus causing CPU Utilization percentages to be slightly higher than expected. Oracle VM Manger support has been fully removed from the product following the feature being deprecated as of Entuity v22.0 GA.

	Please note, this may cause issues for systems that are still monitoring an Oracle VM Manager which has been officially unsupported with the release of v22.0 GA.
Vulnerability Monitoring	Improvement to vulnerability monitoring where a dedicated log file has been added. Improvements made to automatic retry logic and data is processed in batches for NVD CPE and match criteria. Improvement where new CPE Mapping Groups and Rules have been added for Cisco, Fortinet, and Palo Alto devices. Improvements to the Data Files tab within Vulnerability Monitoring where clearer status messages are shown, additional columns are displayed within the table, and all data types are displayed by default. New functionality where multi-select is now supported by the "Duplicate Rule" action within the CPE Mapping Rules page. New feature where NIST API key usage is now supported for the NIST online sync function and can be managed through Asset Credential Management. New features where CPE Mapping Groups and Rules can now be imported/exported as JSON files and the files can be found within the [Entuity Home]/etc/vulnMonMappings/system directory on the server. New feature where a new "Reset CVEs" action has been introduced allowing users to reset the tracking for a device's CVE and run a new scan as if it was freshly added. New feature where a new "Move Rules to Group" action has been introduced in the CPE Mapping Rules page allowing users to bulk move rules into a group. New feature where a new "Run Now" action has been introduced in the Summary tab allowing users to trigger Vulnerability Monitoring jobs to run immediately. New feature where a new "Search for CPE..." action has been introduced for a selected CPE in Device/CPE Management that will direct users to the CPE Search page with the selected CPE as a pre-filled search criterion.
Web Application Monitoring	Fixed an issue where certificate expiration dates with a four-letter time zone code was not processed correctly.

Server/Storage Device Support Improvements & Fixes

Collector	Description
Dell iDRAC (REST)	New Device Support Dell PowerEdge XR 15th Gen Improvements where run levels are now collected on fans, SKUs of DPEs are now collected under the TLA Part Number attribute, and additional sensors have been added. Fixed an issue where sensor readings could display incorrect values and power usage sensors may have an incorrect unit value.
Dell iDRAC (SNMP)	New Device Support Dell PowerEdge XR 15th Gen Fixed an issue where sensor readings could display incorrect values.
Dell XtremIO (REST)	Fixed an issue where certain IB Counters were not being polled for their status.
EMC Isilon (REST)	Improvement where the request timeout has been increased to allow up to 60 seconds to better support polling of larger arrays.
Fujitsu PrimeQuest (HTTP)	New Collector Fujitsu PrimeQuest HTTP
Hitachi VSP (REST)	Fixed an issue where certain physical disks may not have been discovered.
HP iLO (REST)	New Device Support HP ProLiant DL320 Gen 12 (iLO 7) Improvement where an "UnavailableOffline" status will now result in a Component Error event. Fixed an issue where all ports may not have been discovered.
HP MSA (SSH)	Improvement where physical disks with a status of "The disk is using the alternate path." will now result in a Component Error event.
HP Nimble (SSH)	Improvement where SSH credential types are now supported. Improvement where shelf temperature sensors are now gathered. Fixed an issue where total and remaining capacity metrics would occasionally result in negative values due to a calculation error.

	Fixed an issue where storage performance metrics for Storage Pools and LUNs may not have been gathered.
HP Synergy (REST)	Improvement to now collect part numbers and spare part numbers on monitored components when available. Improvements made to certain objects' ID/display name to better represent the object. Please note, that due to ID changes some objects may appear missing. Fixed an issue where some ports may not retrieve a status. Fixed an issue where authentication would fail on systems that the default login domain differed from the login domain the user belonged to. Please note, due to this change the user account must belong to the local auth login domain.
IBM OS400 (SSH)	New Device Support • IBM Power 10 Improvements where additional types of components are now monitored such as system buses, cards, optical storage, and NVMe disks. Fixed an issue where size on certain physical disks may not have been collected.
IBM Power AIX (SSH)	New Device Support • IBM Power 10 Improvements made where the OS level and MTMS info are now collected as the enclosure version and description. Improvements to physical disks to include NVMe drives and to detail what logical disks are correlated with the NVMe drive. Fixed an issue where volume names may not have been displayed correctly and improved statuses to be more accurate.
Intel Servers (REST)	New Device Support • Mitac G8825Z5 Improvements made where GPU and GPU sensors are now discovered, spare part numbers and uptime attributes are collected on enclosures, and vendor part numbers are collected on disk controllers where available. Fixed an issue where logical disk size may have displayed an incorrect size.

	Fixed an issue where certain disk controllers may not have been discovered, and some memory modules would not poll due to ID conflicts. Please note, that due to ID changes to correct conflicts some objects may appear missing.
NetApp (REST)	Improvement to event logic where in situations that a controller failover occurs will now trigger a Component Error event. Fixed an issue where some system fans may not have been discovered and Total Throughput may not have been collected on certain volumes.
nVent RackChiller (REST)	New Device Support nVent RackChiller
OS HP-UX (SSH)	Improvements made to performance of polling and network adapter statistic gathering to prevent it from being run on virtualization containers where it is not applicable. Fixed an issue where the OS CPU Idle Time attribute may have calculated values incorrectly. Fixed an issue where metrics of logical volume were not being assigned correctly on some devices.
OS Linux (SSH)	Fixed an issue where systems that are not compatible with "systemd" would cause errors when trying to monitor the operating system. Fixed an issue that resulted in certain Linux systems reporting 100% memory utilization.
Pure Storage (REST)	Fixed an issue where LUN provisioned size used and provisioned size used percent were calculated incorrectly.
Zutacore HyperCool (REST)	New Collector Zutacore HyperCool REST

Entuity Upgrade Process

Upgrading to and installing **Entuity v23.0 P02** is the same process whether upgrading from Entuity v22.0 P10, Entuity v23.0 GA, or Entuity v23.0 P01.

1. Stop the Entuity server and take a backup.
2. Run **install** to install Entuity over the existing install.
Please note, you must run **install** as administrator from the command prompt.
3. Run **configure** and update the license file to point at the new install.
4. Restart the Entuity server.
5. Deploy the updated Event Management System (EMS) event project or apply the changes within it to your current project.

For additional information on supported OS versions, minimum server specifications, and additional information regarding migrating to Entuity v23.0, [please see this article](#).

Downloading Patches

Patches for all supported platforms are available from the Entuity FTP site. 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.

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.

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