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Zenoss Service Dynamics RPS 4.2.5 SP732 Release Notes

Zenoss, Inc.

www.zenoss.com

Zenoss Service Dynamics^{TM} Version 4.2.5 SP732 Release Notes

What's New?

This version of Service Dynamics offers these new features and improvements. Please read the upgrade section for SP273 with regards to setting up `zenossdbpack` the first time after installation.

NOTE. Due to upgrading the twisted library to support OpenSSH 7 (ZEN-24072), the LinuxMonitor ZenPack MUST be upgraded to the latest (2.0.4+) after installing this RPS if the current LinuxMonitor ZenPack version is 2.0.0, 2.0.1, 2.0.2 or 2.0.3.

Resource Manager

Improvements	
ZEN-1064	SNMPv2 and SNMPv3 traps are not always associated with the agent's source address.
ZEN-26527	Mismatched zentrap behavior between different versions of trpa
ZEN-26745	When a ZenPack is installed that contains an event class mapping sequence number that is already in use, a ValueError is raised leaving the system in a degraded state.
ZEN-26824	zenperfsnmp fails to collect due to KeyError

ZenPacks

This section contains the list of updated ZenPacks bundled within this RPS. Reference the Zenoss wiki (http://wiki.zenoss.org) for detailed description of changes.

LDAP Authenticator	3.1.9	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.1.1	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.9.1	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.3.0	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows
Python Collector	1.5.2	http://wiki.zenoss.org/ZenPack:PythonCollector
CalculatedPerformance	2.0.3	http://wiki.zenoss.org/ZenPack:Calculated_Performance
CheckPointMonitor	2.0.0	http://wiki.zenoss.org/ZenPack:Check_Point_Security_Appliance
Enterprise Linux	1.3.12	http://wiki.zenoss.org/ZenPack:Enterprise_Linux
Datacenter View	1.2.3	http://wiki.zenoss.org/ZenPack:Datacenter_View
AdvancedSearch	1.1.5	http://wiki.zenoss.org/ZenPack:Advanced_Search

*Denotes updated with this RPS.

Downloading RPS

The latest Resource Manager 4.2.5 ZUP is available from the Zenoss Leapfile Portal:

https://zenoss.leapfile.net

Contact your Zenoss representative for more information.

Installation Notes

Before Performing the Upgrade

Zenoss recommends performing the following actions:

1. Install the latest zenoss.toolbox. To install, follow the instructions at https://support.zenoss.com/hc/en-us/articles/203117595-How-To-Install-And-Use-the-zenoss-toolbox.

2. Complete the following checks and proceed with the update only if all checks are successful.

    ➢ **zodbscan**
        o logs to $ZENHOME/log/toolbox/zodbscan.log
    ➢ **findposkeyerror**
        o logs to $ZENHOME/log/ toolbox/findposkeyerror.log
    ➢ **zenrelationscan**
        o logs to $ZENHOME/log/ toolbox/zenrelationscan.log
    ➢ **zencatalogscan**
        o logs to $ZENHOME/log/ toolbox/zencatalogscan.log

    where {date} is today's date

    If ANY of these scripts return errors contact Zenoss support and hold updating; include in the ticket all four attachments from the scripts, above.

3. If Impact is installed, ensure that the Impact daemons on the Impact server are up and running before applying the RPS update.

Performing the Upgrade

Refer to the *Zenoss Service Dynamics ZenUp Installation and Administration* guide on using ZenUp to perform the upgrade. ZenUp 1.1 is required to perform this upgrade.

Upgrade Scenarios

This section describes any special steps or notes when upgrading to the latest RPS.

Starting ServicePack	Note

SP150	ZenUp 1.1 is required to perform the upgrade. Should ZenUp 1.0 be used, the following error will occur:
	➢ **zenup** `install zenoss_resmgr-4.2.5-SP150-zenup11.zup`
	`Installing...`
	`ERROR: Could not run script: /tmp/zenoss-resmgr-4.2.5_UDaooL/new_zup/check`

SP273	With this update, **zenossdbpack** has been updated to prevent POSKeyErrors being generated during dbpack activities. This change requires the reference tables to be rebuilt, which depending on the size of the environment, could take hours to a day. After installing this RPS, we recommend that you rebuild these tables, without performing a pack by executing the following: ➢ **zenossdbpack** `-t` Once the tables have been rebuilt, a user can use **zenossdbpack** as normal.
SP281	Due to the Lucene 4.7.2 upgrade, Lucene indexes need to be rebuilt after installation. Rebuilding the indexes during `zeneventserver` start may take a long time depending on the size of the database and event processing will be slow until the indexes are rebuilt. To rebuild, ➢ **zeneventserver** `stop;` ➢ **rm** `-fr /opt/zenoss/var/zeneventserver/index/*;` ➢ **zeneventserver** `start;`
SP712	Due to upgrading the twisted library to support OpenSSH 7 (ZEN-24072), the LinuxMonitor ZenPack MUST be upgraded to the latest (2.0.4+) after installing this RPS if the current LinuxMonitor ZenPack version is 2.0.0, 2.0.1, 2.0.2 or 2.0.3.

Implementation Notes

The section describes configuration information related to deliveries within the RPSes.

1. RabbitMQ ZenPack
   Zenoss recommends installation of the RabbitMQ ZenPack (version 1.0.7+) for

monitoring of the Zenoss RabbitMQ queues, including incoming and outgoing message rates. The ZenPack can be downloaded from http://wiki.zenoss.org/ZenPack:RabbitMQ, which also includes instructions on installation and configuration.

2. Enhanced ZEP Logging
    ZEP contains new instrumentation and logging to aide in troubleshooting. The following information can now be gathered.
    - API methods metrics
    - Size of index Queues
    - Thread dumps
    - JVM Data

    This information can be access through the browser at:
    http://<zenoss_ip>:8084/zeneventserver/metrics

3. Enhanced Zope Logging
    New instrumentation has been added to aide in troubleshooting of incidents where Zope is experiencing high-CPU usage. The additional logging records the start/end times and client information of incoming requests to `${ZENHOME}/log/ZReq.log`. To enable this logging, simply create the file `${ZENHOME}/etc/LOG_ZOPE_REQUESTS`. A client (`zencheckzopes`) has been created to parse the new log file. This script will display requests for whom there is a 'start' trace but no 'end' trace. By default, `zencheckzopes` will show unfinished requests for all Zopes. Optionally, only running Zopes can be reported on by using the –r flag.

4. Zeneventserver Startup
    During startup, zeneventserver will check the Maximum amount of virtual memory available to the shell (**ulimit** -v) and maximum resident set size (**ulimit** -m). Should either of these parameters not return 'unlimited', zeneventserver will NOT startup.

5. **zenossdbpack** New Default for Days Configuration
    In order to minimize the probability of POSKeyErrors, zenossdbpack has been modified to reduce the chance of corruption; however, these changes will require additional space in zodb and zodb session databases. If you have manually changed zenossdbpack or zodbpack, please contact Support before applying this patch.

6. <u>Performing a Reindex</u>
    To take advantage of improvements with Lucene 4.7.2, a reindex of the event summary and event archive are required. This index rebuild could take a couple hours depending upon the number of records in the summary and archive tables. To perform the reindex, do the following steps:

    ➤ **zeneventserver** stop
    ➤ **cd** /opt/zenoss/var/zeneventserver/index
    ➤ **rm** -rf archive summary
    ➤ **zeneventserver** start

7. <u>Enhanced **zencatalogservice** Logging</u>
    zencatalogservice contains new instrumentation and logging to aide in troubleshooting. The following information can now be gathered.
    - API methods metrics
    - Size of index Queues
    - Thread dumps
    - JVM Data

    This information can be access through the browser at
    http://<zenoss_ip>:8085/zencatalogservice/metrics

8. <u>Setting log rotation for zredis</u>
    zredis logs can be set to rotate by adding the following entry to /etc/logrotate.d/zenoss.

    ```
    /opt/zenoss/log/zredis.log {
        missingok
        daily
        rotate 14
        compress
        delaycompress
        notifempty
        create 640 zenoss zenoss
    }
    ```

Reporting Problems and Providing Feedback

To contact Zenoss Customer Support, go to the support portal at

https://support.zenoss.com

Zenoss welcomes your comments and suggestions to help us improve our product documentation. Please send your comments to:

docs@zenoss.com

Appendix A: Previous RPS Releases

SP724 (December 1, 2016)

Resource Manager

Improvements	
ZEN-26228	Traceback seen during maintenance window processing due to attempt to reindex production state, which is no longer needed.
ZEN-26229	Recurring maintenance window can fail after the first run.

ZenPacks

LDAP Authenticator	3.1.9	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.1.1	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.9.1	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.3.0	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows
Python Collector	1.5.2	http://wiki.zenoss.org/ZenPack:PythonCollector
CalculatedPerformance	2.0.3	http://wiki.zenoss.org/ZenPack:Calculated_Performance
CheckPointMonitor	2.0.0	http://wiki.zenoss.org/ZenPack:Check_Point_Security_Appliance
Enterprise Linux	1.3.12	http://wiki.zenoss.org/ZenPack:Enterprise_Linux
Datacenter View	1.2.3	http://wiki.zenoss.org/ZenPack:Datacenter_View
AdvancedSearch	1.1.5	http://wiki.zenoss.org/ZenPack:Advanced_Search

SP723 (November 18, 2016)

Resource Manager

Improvements	
ZEN-25895	**zenmail** hangs after startup.
ZEN-25956	Re-Identifying a device can result in unrecoverable action.

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SP720 (October 21, 2016)

Resource Manager

Improvements	
ZEN-20507	RHEL/CentOS 7 fails with > 1 zSshConcurrentSessions SSH Timeout. When the ssh_host_ed25519_key is present, Zenoss is not able to log in with more than one SSH channel at a time resulting in modeling and collection timeouts.
ZEN-23798	Within Impact, the Logical Node Save button will not work in IE11.
ZEN-24565	Production state moves cannot be processed within a Maintenance Window.
ZEN-24611	ZenMailTX does not evaluate MinMax thresholds.
ZEN-24816	When upgrading from SP615 or below, the migrate can last hours and consume large amounts of RAM when processing fixMinyMaxy on large catalog of objects.
ZEN-24870	SP712 fails to upgrade a RM that does not have internet access.
ZEN-25635	Events generated during a Maintenance Window may not get closed.

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Datacenter View	1.2.3	http://wiki.zenoss.org/ZenPack:Datacenter_View
AdvancedSearch	1.1.5	http://wiki.zenoss.org/ZenPack:Advanced_Search

SP712 (September 7, 2016)

Resource Manager

Improvements	
ZEN-15238	Callhome data points per second collection can have a large impact on IO.
ZEN-19702	`zenmodeler` finds devices in a case insensitive way.
ZEN-21025	`zenrender` vulnerable to clickjacking exploit.
ZEN-21495	smidump introduces zeroes into Zenoss MIBs.
ZEN-22434	Zenoss username and password are pre-populated into the SMTP User and password page.
ZEN-23448	Catalog Service clients do not reconnect if connection gets stale.
ZEN-23541	Threshold template changes are not invalidated.
ZEN-23543	Zenpack install can create duplicate mappings.
ZEN-23562	Maintenance windows will be processed after `zenactiond` restart, even if after stop time.
ZEN-23730	ZepConnectionError can occur with transforms trying to modify evt.severity.
ZEN-24003	In component details, disabled boolean fields are difficult to read.
ZEN-24072	Added support for OpenSSH 7.0.

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AdvancedSearch	1.1.5	http://wiki.zenoss.org/ZenPack:Advanced_Search

SP690 (May 16, 2016)

Resource Manager

Improvements	
ZEN-19702	zenmodeler updated to perform case sensitive searches for devices.
ZEN-21837	Security: Zenoss is vulnerable to Cross-Site Request Forgeries.
ZEN-21844	On the Infrastructure page, the "Groups", "Systems", and "Event" fields are not sortable by ascending or descending order.
ZEN-22092	User, with restricted access, is unable to bulk-close events on an organizer, where the user has full access.
ZEN-22131	zCommandCommandTimeout configuration is not being honored.
ZEN-22399	In the Dashboard ZenPack, the Open Events portlet shows all events instead of specific event type selected.
ZEN-22400	In the Dashboard ZenPack, Daemon Processes Down portlet shows links as raw html.
ZEN-22402	In the Dashboard ZenPack, the "Zenoss Objects" dropdown, for the Watch List portlet, is unusably slow on larger systems.
ZEN-22418	In the Dashboard ZenPack, the selection dropdown for the Watch List portlet does not honor user roles.
ZEN-22484	Datasource "test" button on datasource configuration window does not send SNMP v3 arguments.
ZEN-22569	In the Dashboard ZenPack, the Watch List preview pane does not work when editing the portlet.
ZEN-22631	When performing an Advanced Search, the link 'Show All' does not display all results.
ZEN-22652	In the Dashboard ZenPack, if you select a Root Organizer like Devices then select the root node, only the bottom most classes are displayed.

ZEN-22678	In the Dashboard ZenPack, the Watch List portlet is not being updated after saving Edit portlet dialog.
ZEN-22697	When an IpService component is discovered to be bound to multiple IpAddresses, it will default to trying to monitor the IpService from the first address in the list of discovered addresses. Through the UI, a user cannot set the component to be monitored from a different address.
ZEN-22711	A user cannot add additional graphs to a graph report.
ZEN-22773	Modifying mappings produces audit logging, but only logs the new value. The previous value shouljd also be logged.
ZEN-22780	In the Dashboard ZenPack, the Watch List portlet fires "stale data warning" in Edit portlet dialog.
ZEN-22944	When a user runs zendisc with "--prod_state" state, zendisc will change the production state of existing devices if IP address is included in discovery IP addresses range.
ZEN-23057	Cannot add a new source within Global Operations Manager (GOM).

ZenPacks

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Enterprise Linux	1.3.12	http://wiki.zenoss.org/ZenPack:Enterprise_Linux
Datacenter View	1.2.3	http://wiki.zenoss.org/ZenPack:Datacenter_View
AdvancedSearch	1.1.5	http://wiki.zenoss.org/ZenPack:Advanced_Search

SP671 (February 26, 2016)

Resource Manager

Improvements	
ZEN-19272	SNMP Up event created by modeling if Communities = True

ZEN-19405	When a trigger is renamed, it does not update the id of the trigger resulting in a discrepancy in multiple places. These include the zenactiond logging, the visible name in the UI.
ZEN-19950	User with ZenManager role is unable to modify notification subscribers.
ZEN-21127	ZenManager cannot create trigger or notification.
ZEN-21560	If a device exists and has the correct management IP, but zendisc comes across another IP on the same device, it'll state that it's skipping discovery, but then update the management IP address to the newly-discovered IP.
ZEN-21580	JSON API getDevices from DeviceRouter when you put a parameter ipAddress with a .255 suffix it will return all devices from with IP addresses belonging in the range .1-.254. This should be the case for Class C networks, but for class A & B networks .255 is a valid IP address and is not a broadcast IP address.
ZEN-21649/ ZEN-21651/ ZEN-21653	Tracebacks during 425 ZUP installs.
ZEN-21712	Direct graph linking for graphs hosted on remote collectors no longer work

ZenPacks

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Enterprise Linux	1.3.12	http://wiki.zenoss.org/ZenPack:Enterprise_Linux
Datacenter View	1.2.3	http://wiki.zenoss.org/ZenPack:Datacenter_View
AdvancedSearch	1.1.5	http://wiki.zenoss.org/ZenPack:Advanced_Search

SP652 (January 20, 2016)

Resource Manager

Improvements

ZEN-14748/ ZEN-14798	General improvements to `ZenCheckZenDS`.
ZEN-17100	When all hub workers are busy, `ZenHub` process loops continuously leading to 100% CPU usage.
ZEN-17245	Update the default SSL config to not include SSLv3 (POODLE vulnerability)
ZEN-18093	Security: A publicly accessible endpoint on the server allows a client to specify a regex and a string to match it against. An attacker can craft a match which requires exponential time to complete, preventing the server from responding to other requests.
ZEN-18101	Security: The command, used to send a page to users, can be edited by users without sufficient permission, without re-entering their password.
ZEN-18102	Security: When presented with an HTTP POST request of `Content-Type: text/xml`, the Zope platform attempts to parse it using python's `xmlrpclib` library, which is known to be vulnerable to entity expansion attacks.
ZEN-18681	`zendisc` does not use the –user and –password parameters.
ZEN-18700	Adding multiple hosts via the auto-discovery feature tries Public, even when not in list.
ZEN-19825	zenoss.snmp.InterfaceMap Plugin Does not Handle Interface Objects with No Description
ZEN-20086	The following event console fields do not support OR (||) nor NOT(!!) filters: • Agent • Event Class Key • Event Group • Event Key • Fingerprint Event ID
ZEN-20258	RRDDataSource needs to support context to prevent tracebacks under certain conditions
ZEN-20601	When searching within the TreeView, the results returned are incorrect.
ZEN-20739	Modeler plugin view does not work for devices in /Server/Windows/WMI when zWmiMonitorIgnore is set to True.
ZEN-20855	Graph Zooming is Broken on Multi-Graph Reports when Using a Remote Collector
ZEN-20866	Improve performance of maintenance window processing.

ZEN-20948	When attempting to change the production state on a large vSphere, the update will fail both through the UI and the façade.
ZEN-20963	DST time change severely degraded zeneventserver due to excessive zenjobs events
ZEN-20970	Performance improvement of the Zenoss web UI by removing unnecessary calls to get revision.
ZEN-21095	Security: All ZenPacksd show authentication information in URLs.
ZEN-21099	Security: ZenUsers have access to pages/actions that should be restricted (eg. Tuning Reports, deleting jobs, etc).
ZEN-21102	Security: The default username for the admin account is now configurable.
ZEN-21106	Filtering device classes by "/" within the event console yields no results.
ZEN-21131	Users other than Admin Cannot Update Triggers / Notifications.
ZEN-21246	Auto-scaling for graphs with maxy set to -1 are broken after RPS upgrade.
ZEN-21331	Security: Unprivileged user can view users information on the ZenUsers page.
ZEN-21337	Command timeout clear event can auto-clear unrelated command timeout events.
ZEN-21341	Cisco ACS Syslog Processing RegEx sets IP address field in events as hostname.

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Datacenter View	1.2.3	http://wiki.zenoss.org/ZenPack:Datacenter_View
AdvancedSearch	1.1.5	http://wiki.zenoss.org/ZenPack:Advanced_Search

SP615 (October 29, 2015)

Resource Manager

Improvements	
ZEN-16675	In the Network Map page, navigating to nodes will display a blank view if the device has a different ID and title.
ZEN-17745	Multi-graph reports fail to render when graph points are defined with a RPN expression.
ZEN-18695	When utilizing the Multirealm zenpack and a Maintenance Window event, the device is not linked to the event.
ZEN-18944	On hubs, allow pingPerspective to be enable/disabled through configuration ('—ping-perspective').
ZEN-19146	`zencommand` tasks do not complete.
ZEN-19165	"Select" type cProp results in a zope site error.
ZEN-19177	When creating a graph, the minimum value is not honored.
ZEN-19192	Graphs in Reports : Zoom In/Out and Range Functions are not working.
ZEN-19387	Heartbeat events showing up for devices that are not collectors.
ZEN-19400	When adding graphs to a graph report, a user will get multiple copies of the same graph if multiple devices are selected.
ZEN-19413	With MultiRealm Zenpack installed, the device context fails to link to the event if the event is sent through the UI.
ZEN-19612	A user cannot create a Notification Schedule. A traceback is written to the zenactiond.log.
ZEN-20072	In the Event Console, Group and System columns are not sortable.

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		pliance
Enterprise Linux	1.3.12	http://wiki.zenoss.org/ZenPack:Enterprise_Linux
Datacenter View	1.2.3	http://wiki.zenoss.org/ZenPack:Datacenter_View
AdvancedSearch*	1.1.5	http://wiki.zenoss.org/ZenPack:Advanced_Search

SP574 (August 26, 2015)

Resource Manager

Improvements	
ZEN-17453	Google Map APIs use hard-coded http (non-SSL) protocol in Zope skins leading to "mixed content" and "blocked" errors (as seen in the JS console)
ZEN-18128	"Select All" on a device's components produces inconsistent result sets size.
ZEN-18142	Within Dynamic View, a user cannot navigate to the individual events as they are not clickable.
ZEN-18395	With infinite grid enabled, the filter operation on component grid is not returning correct results.
ZEN-18617	"zencheckzends install" doesn't account for non-standard zodb and zodb_session database names.
ZEN-18717	Invalid regex search might cascade into UI outage
ZEN-18789	zenbatchload incorrectly outputs number of devices "modeled". This number is for number of devices "processed".
ZEN-18796	Maintenance windows with large number of devices can fail on a zodb conflict error
ZEN-18815	zentrap no longer forwards the originating IP
ZEN-18905	Nth day of week maintenance windows can get into infinite flapping state leading to zenactiond crash.
ZEN-18936	Many popup dialogs have code that references absolute_url instead of absolute_url_path. This causes them to not function properly when Zenoss is being presented via a reverse proxy.
ZEN-19043	Traceback when trying to remove a realm.
ZEN-19064	When Zenoss hardware is under heavy load, Lucene indexes may get out of sync.
ZEN-19298	Event Flapping detection is not working if an event is triggered and cleared several times.

ZenPacks

LDAP Authenticator*	3.0.6.6	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.1.1	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.9.1	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.3.0	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows
Python Collector	1.5.2	http://wiki.zenoss.org/ZenPack:PythonCollector
CalculatedPerformance	2.0.3	http://wiki.zenoss.org/ZenPack:Calculated_Performance
CheckPointMonitor	2.0.0	http://wiki.zenoss.org/ZenPack:Check_Point_Security_Appliance
Enterprise Linux	1.3.12	http://wiki.zenoss.org/ZenPack:Enterprise_Linux
Datacenter View*	1.2.3	http://wiki.zenoss.org/ZenPack:Datacenter_View

SP555 (July 24, 2015)

Resource Manager

Improvements	
ZEN-17752	Users can see graph reports for devices that they do not have permissions.
ZEN-18280	Cannot use directly linking to graphs. Generated links display binary data instead of graph.
ZEN-18304	Cannot set attributes on a device or organizer.
ZEN-18394	DynamicView Zenpack does not display correctly in Chrome
ZEN-18396	Some plugins associated with a device are not running.
ZEN-18397	Process with binary characters results in a "Server Exception" displayed on the UI.
ZEN-18545	When a trap forwarder like snmptrapd is used to forward V1 traps, zentrap does not correctly set the device in an event.
ZEN-18547	zendisc cannot set a default device group, system or location
ZEN-18548	zendisc ignores --deviceclass and --prod_state parameters if --range or --walk is used and --prod_state is ignored in router discovery
ZEN-18718	When uptime on an AIX box is called, the uptime reading format will be changed if the time falls exactly an hour.

ZEN-18357	IP Services Component View does not display if a user edits the "Details" of a manually added IP Service. The view will remain broken until the edited IP Service is removed either by a remodel or manually via zendmd (not recommended).

ZenPacks

LDAP Authenticator	3.0.6.5	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.1.1	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.9.1	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.3.0	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows
Python Collector	1.5.2	http://wiki.zenoss.org/ZenPack:PythonCollector
CalculatedPerformance	2.0.3	http://wiki.zenoss.org/ZenPack:Calculated_Performance
CheckPointMonitor	2.0.0	http://wiki.zenoss.org/ZenPack:Check_Point_Security_Appliance
Enterprise Linux	1.3.12	http://wiki.zenoss.org/ZenPack:Enterprise_Linux

SP536 (June 19, 2015)

Resource Manager

Improvements	
ZEN-15224	Modelling a Cisco Device configured for snmp V3 results in a traceback with error "Snmpv3Error: packet dropped (OID: .1.3.6.1.2.1.1.1.0)"
ZEN-15827	SSH monitored Linux devices with long uptimes can't get their network interfaces' speed.
ZEN-17764	`zep` spawns a large number of threads.
ZEN-18271	ZenUsers are able to CRUD triggers and notifications.
ZEN-18319	ZenMail does not support Content-Transfer-Encoding Base64
ZEN-14582	DB performance improvement, a user's session state is only updated if the state has changed.
ZEN-14147	Zenoss administrator can now optionally configure the maximum time allowed for a given search. If a search exceeds this threshold, `zep` will terminate the search and return back a user friendly message to further refine the search criteria.
ZEN-18178/ ZEN-18273	When evaluating a trigger defined with a custom event detail, an exception is raised resulting in the trigger failing to process.

ZEN-18316	When adding a device, several zProperty are not inheriting their default and therefore not being set.
ZEN-17985/ ZEN-17625/ ZEN-18259	Full support for monitoring CentOS7.
ZEN-18067	Notifications and Triggers are slow to load through the UI.
ZEN-18291	If zengomd is restarted on the source, and the target is disconnected (no consumers), all messages in the queue will be lost.
ZEN-18076	Unable to search devices using the base core DeviceSearch
ZEN-17974	**zep** is reporting an AlreadyClosedException and fails to process search requests.

ZenPacks

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CiscoMonitor	5.3.0	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows
Python Collector	1.5.2	http://wiki.zenoss.org/ZenPack:PythonCollector
CalculatedPerformance	2.0.3	http://wiki.zenoss.org/ZenPack:Calculated_Performance
CheckPointMonitor	2.0.0	http://wiki.zenoss.org/ZenPack:Check_Point_Security_Appliance
Enterprise Linux	1.3.12	http://wiki.zenoss.org/ZenPack:Enterprise_Linux

SP523 (May 29, 2015)

Resource Manager

Improvements	
ZEN-17846	Improved implementation for controlling the growth of the connection_info table.
ZEN-17818/ ZEN-17415/ ZEN-17529	Improved **zep** performance.
ZEN-17518/ ZEN-17625/ ZEN-17985	Support for modeling/monitoring RHEL/CentOS 7. **NOTE. Requires installation of net-tools package.**

ZEN-17502	Deep linking is not working when nodes contain periods.
ZEN-16718	**zep** logging has been updated to include number of indexed events.
ZEN-17420	**zep** logging has been updated to include time spent in post indexing plugins.
ZEN-14185	Performance improvement when computing links for google maps.
ZEN-17639	Latest update on Chrome breaks zoom on remote collector graphs.
ZEN-15035	On Google map dashboard, navigation for device event may show events for devices not available under selected location.
ZEN-17724	**zencatalogservice** is unresponsive due to AlreadyClosedExceptions.
ZEN-16074	On Events console with auto-refresh selected, scrolling while updating makes top rows blank.
ZEN-17077	On a custom device report, sorting by "Sort Column" and "Sort Sense" are not working.
ZEN-17402	SNMP agent down events are not detected during device modeling.
ZEN-17130	When configured Cycle Time for a Command Data Source, the setting is not always followed.
ZEN-17191	Under "User Interface" settings, an admin user can now disable auto refresh for job notifications by setting "Job Notification Refresh Interval" to 0.
ZEN-17127	SNMPv1 trap being assigned a different Ip during deduplication, without attaching the correct Ip realm.
ZEN-17227	**zencommand** JSON parser fails silently when a datapoint name in output does not match a configured datapoint.
ZEN-17647	Startup performance is slow due to table locks on connection_info.
ZEN-17028	When exporting a custom device report to CSV, IP address are being converted to integers.
ZEN-17494	Remote daemons over VPN losing connectivity.
ZEN-16602	Cannot update a boolean zProperty to false using the updateDevice function.

ZenPacks

LDAP Authenticator	3.0.6.5	http://wiki.zenoss.org/ZenPack:LDAP_Authentication

vSphere	3.1.1	http://wiki.zenoss.org/ZenPack:VMware_vSphere
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CiscoMonitor	5.3.0	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows
Python Collector	1.5.2	http://wiki.zenoss.org/ZenPack:PythonCollector
CalculatedPerformance	2.0.3	http://wiki.zenoss.org/ZenPack:Calculated_Performance
CheckPointMonitor	2.0.0	http://wiki.zenoss.org/ZenPack:Check_Point_Security_Appliance
Enterprise Linux	1.3.11	http://wiki.zenoss.org/ZenPack:Enterprise_Linux

SP457 (April 10, 2015)

Resource Manager

Improvements	
ZEN-16697	Device or component, which is locked from deletion, can be deleted.
ZEN-16759	With IE9 in compatibility mode, Event Console filters are not retained after browser refresh.
ZEN-16805	When logged in as a Zenoss user who doesn't have job permissions, the jobs page will perform unnecessary searches thus resulting in increased load on the system.
ZEN-17369	SNMP Agent Down Events are not being received.
ZEN-16886	Event properties are not displayed in the UI when double clicking on an event.
ZEN-16446	When performing hot backups with enterprise tools enabled, verify the object_state tables are not compressed.
ZEN-13672	`zenwinperf` shutown does not stop all worker processes.
ZEN-17062	Add device job process gets stuck when SNMP communities strings are removed from the "Add multiple device" dialog box
ZEN-16846	ZenPack install fails to add all device classes, if the same name is used within the same hierarchy.
ZEN-14155	`zencommand` and `zenmodeler` does not release SSH connections.
ZEN-17106	Improved zenossdbpack.
ZEN-17128	Improved performance of loading Networks Page.
ZEN-14750	Improved ZEP performance with respect to processing events.

ZEN-16584	OS Processes graphs are displaying wrong units.
ZEN-16885	Support searching configuration properties with true/false values.
ZEN-16867	The values "zModelerLock" and "zSendEventWhenBlockedFlag" are not applied to processes when set via the process class.
ZEN-17011	Generate memory usage metrics for `zencatalogservice`.

ZenPacks

LDAP Authenticator	3.0.6.5	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.9.1	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.3.0	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows
Python Collector	1.5.2	http://wiki.zenoss.org/ZenPack:PythonCollector
CalculatedPerformance	2.0.3	http://wiki.zenoss.org/ZenPack:Calculated_Performance
CheckPointMonitor	2.0.0	http://wiki.zenoss.org/ZenPack:Check_Point_Security_Appliance
Enterprise Linux*	1.3.9	http://wiki.zenoss.org/ZenPack:Enterprise_Linux

SP378 (February 19, 2015)

Resource Manager

Improvements	
ZEN-16455	Reports fail to load with error regarding insufficient privileges.
ZEN-16429	zenbatchdump does not support custom deviceloaders.
ZEN-15878	Pre-ZenUp checks has the user modify nginx in such away that nginx can start if the listen port is <1024, which prevents zenwebserver start/stop from exiting cleanly.
ZEN-16003	On the Infrastructure Page, an export button has been added to the device list view, so that devices listed in a specific device class, group, or location as shown on the UI can be exported to a CSV
ZEN-16514	When a job fails, an associated event is not generated.
ZEN-16538	Email Service Notification fails to send an email and generates NameError in zenactiond log file.
ZEN-15936	zensyslog truncates syslogs with messages when a message contains a ":" preceded by a non-space character and then followed by a space.

ZEN-16787	In the event details window, when collapsing all the sections, the log and all entries remain in their initial location. Logs and entries collapse up only after adding a new note.
ZEN-15615	When using `zencommand`, the count for OSProcess are higher than expected.
ZEN-15689	When performing a restore from a "warm" backup, connection_info tables fail to restore due to a Checksum mis-match error.
ZEN-15888	Toggling zMonitor under the Windows Services class does not toggle monitor attribute on services components. This happens in cases when the property is toggled directly on the Service Class, and also when a Service Class is moved in to a new Service Organizer and inherits a different value from it
ZEN-15899	Zenup check fails if lost+found is not owned by Zenoss.
ZEN-15612	Collector daemon will stop collecting data for a device and will go in to a task postponement loop
ZEN-14639	When zencatalogscan runs, it should return the total number of issues found as the return code - this would facilitate comparing results via cron
ZEN-15485	When MultiRealm Zenpack is installed, event transform to change device does not change the rest of the device context.
ZEN-15222	`zencommand` fails when trying to do SSH collection for > 1024 devices.
ZEN-15364	Add watchdog functionality for zeneventserver.
ZEN-16402	Adding a large amount of notes (16MB) to an event can cause a traceback.
ZEN-16584	The OS Process Memory Graph is off by 1024 (i.e. GB is being shown as MB). (Improved solution)
ZEN-16178	When upgrading to SP316, zenup reports missing PROCESS permisssions if db permissions are not set per instructions.
ZEN-16528	Implementation for controlling the growth of the connection_info table is inefficient. Performance improvements have been made to greatly increase the speed of this cleanup functionality.
ZEN-15293	NOT filters not working for the archive console

ZenPacks

LDAP Authenticator*	3.0.6.5	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere

CiscoUCS	1.9.1	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.3.0	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows
Python Collector	1.5.2	http://wiki.zenoss.org/ZenPack:PythonCollector
CalculatedPerformance	2.0.3	http://wiki.zenoss.org/ZenPack:Calculated_Performance
CheckPointMonitor	2.0.0	http://wiki.zenoss.org/ZenPack:Check_Point_Security_Appliance
Enterprise Linux*	1.3.9	http://wiki.zenoss.org/ZenPack:Enterprise_Linux

SP316 (December 11, 2014)

Resource Manager

Improvements	
ZEN-15310	After a process is restarted, the corresponding event is never cleared and raised during each collection cycle.
ZEN-15391	Zenoss CallHome frequency has been updated to execute monthly.
ZEN-15437	When multiple zenactiond workers are configured, certain jobs (such as callhome) are executed on each worker instead of being load balanced.
ZEN-15072	The OS Process Memory Graph is off by 1024 (i.e. GB is being shown as MB).
ZEN-15463	ZEP metrics are not being automatically generated.
ZEN-15338 ZEN-15354 ZEN-13756 ZEN-15360 ZEN-15355 ZEN-15356 ZEN-15357 ZEN-15358 ZEN-15359	zeneventd has been updated with additional instrumentation for advanced troubleshooting.
ZEN-15319	Through the web interface, Individual process classes cannot be added to a ZenPack.
ZEN-12756	For devices that use `zencommand`, OS Process down events are not cleared once the process is started.
ZEN-14274	Thresholds using minProcessCount/maxProcessCount no longer function.
ZEN-10933	Performance improvement when changing device production states.

ZEN-15591	When performing a zenrestore, the zep database fails to restore due to a database privilege error.
ZEN-15440	Organizer Graphs fail to load.
ZEN-15330	"ZODB.POSException.ReadConflictError: Got data for OID from future transaction" is logged when performing various operations, thus preventing operations from completing such as zodbscan.
ZEN-15545	When performing a restore from a "warm" backup, connection_info tables fail to restore due to a Checksum mis-match error.
ZEN-15573	When zeneventserver is unreachable due to high load, the user is notified with an ambiguous message.

ZenPacks

LDAP Authenticator	3.0.5.4	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows

SP281 (November 7, 2014)

Resource Manager

Improvements	
ZEN-14403	Lucene has been upgraded to 4.7.2. According to Apache, this version of Lucene provides a 10% improvement in overall performance and memory usage. This upgrade will require rebuilding the indexes. See the Upgrade notes section for details.
ZEN-15132	Hyperlinks are displayed as text in event fields.
ZEN-15052	Zendisc fails with traceback when executed from the command line.
ZEN-14784	Unable to use the JSON API to update detail fields on events.

ZenPacks

LDAP Authenticator	3.0.5.4	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices

WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows

SP273 (October 28, 2014)

Resource Manager

Enhancements	
ZEN-13930	Recurring Maintenance Window: Provide the user the ability to schedule maintenance windows by occurrence of a day in the month. For instance: second Tuesday, third Wednesday, first Friday, etc
ZEN-14939	For Event Archive Console, progress indicators will be displayed to denote activity such as refreshing.

Improvements	
ZEN-14152/ ZEN-13622/ ZEN-14478/ ZEN-14479/ ZEN-14706/ ZEN-14482/ ZEN-14483	Improved IE9 support.
ZEN-14617/ ZEN-13852	`zenossdbpack` has been updated to prevent POSKeyErrors generated by running dbpack. This update will NOT remove existing POSKeyErrors. **NOTE**. Please see SP273 notes in the Upgrade section below.
ZEN-14188	Performance: Google maps portlet updated to not perform a refresh operation if a refresh is still in progress.
ZEN-14440	Graphs now support selecting time for start and end dates.
ZEN-14666	Advanced Search: The performance of advanced searching has been greatly improved thereby leading to a more responsive UI as well as reduced load on ZODB.
ZEN-14395	Device Issues Portlet: The responsiveness of this portlet has been improved.
ZEN-14536	ApplyDataMap:_applyDataMap() allows modeler plugins to change the "id" property of devices. This is an unsafe operation that modeler plugins should be prevented from performing.
ZEN-12691	Security: Prevent sharing of cookies by expiring sessions after a reasonable inactivity period and change the session ID once logged in.

ZEN-13110	When a user creates a new rule in a trigger that requires a text field (like a message or summary), clicking on the text box, the "This field is required" popup appears. While you are typing the text, the pop-up disappears and the text box looses focus.
ZEN-14926	On Infrastructure Page, a user selecting the 'option X' at a time for selecting 'X' entries for a component may not see 'X' number of selections in the grid.
ZEN-14505	Logging: After enabling zope request logging, warnings are logged by all daemons after restart, even though zenwebserver is the only one using the request logging.
ZEN-13945	Logging: As part of the zencheckzends mechanism a new table was added to help this utility track and kill long running queries; however, this functionality appears to have with no limiting mechanism.
ZEN-14297	Performance: zenackevents has been updated to reduce the time lag to acknowledge an event.
ZEN-13884	Collectors are reporting tracebacks for devices monitored with old VMware ZenPack.

ZenPacks

LDAP Authenticator	3.0.5.2	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows

SP246 (September 17, 2014)

Resource Manager

Enhancements	
ZEN-13772	For Graphs on reports and collector performance pages, the user can now select a specific start date/time and/or end date/time

Improvements	
ZEN-12794	When executing a version 3 snmpwalk with a long command, carriage returns are being inserted and therefore making the command invalid and unable to execute.

ZEN-13873	When modifying a Notification schedule, the UI does not get updated after the edit is saved.
ZEN-14050	SNMP down alarm is sent even though device is already recognized as down via zenping.
ZEN-13822	Logging of transform errors does not adhere to log rotation rules.
ZEN-14001	Passwords are visible within the event.log for email notifications.
ZEN-13939	Jobs catalog does not purge on a schedule basis leading to unbounded growth.
ZEN-14089	Performing a `zenbatchdump` fails with CiscoUCS device class.
ZEN-13802	Automatic refresh requests may get queued up when system is under load; thereby leading to increased load. System should not request a refresh if a refresh is still pending.
ZEN-13986	`zencheckzopes` has been updated to provide additional logging.
ZEN-14155	`zencommand` and `zenmodeler` does not release SSH connections under certain conditions.
ZEN-13810	Zope load balance setting 'fair' is not being applied correctly leading to unbalanced zope loading under certain conditions.

ZenPacks

LDAP Authenticator	3.0.5.2	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
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CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices
WindowsMonitor	2.1.2	http://wiki.zenoss.org/ZenPack:Microsoft_Windows

SP221 (August 20, 2014)

Resource Manager

Enhancements	
ZEN-13623	For Graphs on device and component pages, the user can now select a specific start date/time and/or end date/time
ZEN-13462	`zencommand` report the time taken for processing devices and datapoints.

Improvements	
ZEN-13520	`zenossdbpack` has been updated to enforce a minimum days of 0.5.
ZEN-13324	During auto-discovery, a device may be transferred to another collector.
ZEN-13393	Under certain error certain conditions, ZEP will report a NullPointerException, thereby losing information on the originating issue.
ZEN-13023	When adding multiple devices using Windows Server (WMI), zWinUser/zWinPassword is being set instead of zWinRMuser/zWinPassword.
ZEN-13197	When setting a maintenance window, this window is being applied to devices that are in a Decommissioned state.
ZEN-13373	On the Triggers page, modifying a trigger will reset the page to the top of the list.
ZEN-13238	Enhanced logging/instrumentation for ZEP
ZEN-13639	Within the Event Archive Console, the last refreshed time does not get updated when using pagination.
ZEN-11286	Intermittent network connectivity issues cause numerous flares to display in the UI. UI should attempt a reconnect before reporting connectivity issues.
ZEN-	Benign warning conditions are being logged as Errors, thereby leading to

13155/13646	confusion as to the state of ZEP.

ZenPacks

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CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices

SP203 (August 6, 2014)

Resource Manager

Enhancements	
ZEN-13177	Within the Infrastructure Page, Device Details now supports Pagination. Default will remain Infinite Scroll.
ZEN-13327	For Event Console and Infrastructure pages, progress indicators will be displayed to denote activity such as refreshing.

Improvements	
ZEN-11704	Addressed issue with ZenPacks being installed out of order.
ZEN-11712	Within the Event Console, Copy/Paste functionality is no longer available.
ZEN-12569	ZenRestore Fails to restore due to incorrect command line option.
ZEN-12592	When using the Infrastructure view, searching the Device Class column also yields results from the Device column.
ZEN-12601	When selecting a Device Class, the events displayed include results for all Device classes.
ZEN-12627	Infrastructure Page now supports Pagination. Default will remain Infinite Scroll.
ZEN-12666	Event notifications are not sent to non-default recipients.
ZEN-12734	Improved Zope load balancing.
ZEN-12747	When using Pagination in the Event Console, non-default fields were not displayed.

ZEN-12842	Updated Lucene configuration to improve memory usage with Event Summary and Event Archive.
ZEN-12889	Pagination mode refresh unselects current selection.
ZEN-12961	Within Event Console, hyperlinks, within notes, are being displayed as text.
ZEN-12996	Within the Event Console, performance of Lucene searching has been improved.
ZEN-13013	Within the Event Console, the initial page load will make duplicate requests.
ZEN-13016	Add ulimit check to zeneventserver startup.
ZEN-13019	ZEP API improved performance when making a call to addNote.
ZEN-13160	CatalogService updated to use new Lucene setting to improve performance in large environments.
ZEN-13165	New ZEP API to programmatically add Notes to a supplied list of events.
ZEN-13170	Enhanced logging/instrumentation for ZEP
ZEN-13175	Within the Event Console, performing a second search, that returns a record set smaller than the original, will display a blank page.
ZEN-13179	For Graphs and Multi-Graph reports, the time within the graph may not match the time listed in the legend. This change also address the issue where the printable version date range does not use the user selected zoom level.
ZEN-13357	Within the Infrastructure page, a refresh will reset the page to the top.

ZenPacks

LDAP Authenticator	3.0.5.2	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
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CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices

SP183 (July 3, 2014)

Resource Manager

Improvements
ZEN-12235	XSS in "Hostnames/IP Addresses" from "Step 2: Specify or Discover

	Devices to Monitor"
ZEN-12208	XSS Issues in custom Event details
ZEN-12500	Event Console GUI scrolling behavior is not correct
ZEN-12365	UI Jobs page only displays a maximum of 500 jobs
ZEN-12546	Regression in LDAPAuthenticator ZenPack
ZEN-12073	zenoss.cmd.linux.ifconfig relies of dmesg parsing which doesn't always work
ZEN-12374	Zopes overusing memory and CPU
ZEN-12278	XSS in comments in events console
ZEN-12495	SP464 - Overwriting custom template fails
ZEN-12458	Process count threshold event error
ZEN-12221	Add the ability to use the '-n' context flag in SNMP requests
ZEN-11870	zenoss.snmp.InterfaceMap Doesn't Support 10G interfaces for Servers Polled With SNMP
ZEN-11223	Event console resets to top of page on refresh

ZenPacks

LDAP Authenticator	3.0.5.2	http://wiki.zenoss.org/ZenPack:LDAP_Authentication
vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices

SP167 (June 19, 2014)

Resource Manager

Improvements	
ZEN-12023	Datacenter view not working properly
ZEN-12021	Owners of Administered Objects cannot create sub-locations
ZEN-11891	Cross-site scripting issue after authenitcation
ZEN-11884	Missing process monitor cpu graphs in process monitoring

ZEN-11978	Run migrate scripts individually on ZUP installs
ZEN-11998	Open redirect vulnerability on login
ZEN-11457	Need to be able to capture events that fail in transforms
ZEN-10224	zensyslog truncating messages after new line characters in subject
ZEN-11114	Exporting Events should be audited the same as other event operations.
ZEN-11116	Modifying event configurations should generate an audit log item
ZEN-11851	Add LDAP Group filter
ZEN-12306	Event Actions should not be available if no events are selected.

ZenPacks

vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices

SP150 (June 5, 2014)

Resource Manager

Improvements	
ZEN-11623	Zenbackup does not capture mibs or scripts
ZEN-11875	Pasting in large log entries at Event console
ZEN-11971	Autodiscover is not finding devices
ZEN-11831	Adding a single device through ui produces 2 devices
ZEN-11283	Log all ZEp related flares in event.log
ZEN-11397	Min and Max process set at parent doesn't pass to modeled processes
ZEN-11373	Always sort lists in the UI by something sensible
ZEN-11454	Zenjobs leaking file descriptors
ZEN-11839	Event proxy is unable to handle traps with multiple attributes under the same attribute OID
ZEN-11643	Fix sporadic errors in WebTx checks
ZEN-11787	ZUP Format Changes for ZenUp 1.1

ZEN-11662	Bad transform error messages completely incorrect
ZEN-11638	`zencommand` stops collecting after temporary authentication failure
ZEN-11818	ZEP Concurrency Issues

ZenPacks

vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices

SP136 (May 22, 2014)

Resource Manager

Improvements	
ZEN-11140	Gear button behavior doesn't match user permissions
ZEN-11395	User permissions are not taken into account after restoring defaults in the devdetail grid
ZEN-11252	Flush memcached after rebuilding catalogs
ZEN-10514	With live searching off the checkbox-filters on teh event console no longer work
ZEN-11376	Remote modeling requests via zentrap can flood zenHub
ZEN-11399	OSProcess count threshold not evaluated on down processes via `zencommand`
ZEN-11615	Event Rate logging
ZEN-11277	Drag and Drop Permissions for Administered Objects
ZEN-11268	Remove Automatic Refresh rates from Archive
ZEN-11369	SNMP v3 Trap support
ZEN-11566	Make the use of infinite grids for events configurable
ZEN-11574	Snmpwalk from run commands should not show zproperties
ZEN-11269	zenactiond completely stops
ZEN-11507	Portlet permissions reset when restarting zenwebserver or zendmd

ZEN-11518	Enforce that filters are passed to some operations in zep facade
ZEN-11265	Flapping events have no context information
ZEN-11673	The number of event flaps should not be reset after flapping event is sent
ZEN-11192	OSprocess sequence changes randomly
ZEN-11094	Bug with enabling a user to add a UCS domain and not be an admin all servers
ZEN-10799	Regression in the way that Production States are honored by event notification
ZEN-11270	Archive queries in event system cause excessive CPU load
ZEN-11271	Event severity is not correctly extracted from syslog messages
ZEN-11379	zenactiond uses popen when sending pages instead of using twisted to spawn processes
ZEN-10332	Long flares are cut off from view
ZEN-11234	Graphs do not display a consistent time
ZEN-11273	Owners of Administered Objects cannot create sub-groups
ZEN-11409	Archived GOM events do not link back to the device at event originator
ZEN-11097	NMAP to PING collector setting change
ZEN-11227	Network Map page doesn't load without internet access
ZEN-11732	64bit version of ping does not return RTT data if data length is less than 16
ZEN-11267	Event console refresh too slow
ZEN-11814	Error installing CSA 425 RPS

ZenPacks

vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere
CiscoUCS	1.8.4	http://wiki.zenoss.org/ZenPack:Cisco_UCS
CiscoMonitor	5.1.8	http://wiki.zenoss.org/ZenPack:Cisco_Devices

SP105 (April 29, 2014)

Resource Manager

Improvements

ZEN-10535	Race-condition in zencatalog
ZEN-10530	Zencatalog run will not terminate if bad relationships are in the database
ZEN-10774	Expose Info adapter properties via TALES (empowers analytics enhancement)
ZEN-10182	Refreshing result in Components filter works in FF only
ZEN-10495	Closing events clears the owner field
ZEN-10771	Event rainbows do not honour user/device permissions
ZEN-10606	Portlet Scalability issue
ZEN-10829	Zep call to retrieve severities must be done in batches to avoid lucene max clauses error
ZEN-10833	TypeError: 'set' object is not subscriptable flare message
ZEN-10861	Any user with at least one administered object can view events for all devices
ZEN-10973	Cannot add devices to Impact service
ZEN-10552	Internal exception processing event: StopIteration()
ZEN-10780	Unable to process large numbers of events over time
ZEN-10688	SP61 causes Devices link under device class details to be partially cut off
ZEN-11140	Gear button behavior doesn't match user permissions
ZEN-11186	Watchlist portlet not properly allowing view of events.
ZEN-10459	Error reindexing when customers add custom roles to zope
ZEN-9751	ZUP install checks should confirm ZenDS is running with proper perms
ZEN-10758	vSphere Zenpack version 3.0.2
ZEN-10323	Significant performance degradation in CiscoUCS 1.8.2
ZEN-8988	Source for GOM cannot be removed from GOM if the source is offline
ZEN-10687	RPS causes event properties to be displayed as blue text instead of black
ZEN-11253	Event detail page is not displaying at all on IE9

ZenPacks

vSphere	3.0.4	http://wiki.zenoss.org/ZenPack:VMware_vSphere

| CiscoUCS | 1.8.4 | http://wiki.zenoss.org/ZenPack:Cisco_UCS |

SP80 (March 27, 2014)

Resource Manager

Improvements	
ZEN-10019	Zencatalog not getting all of the options it should
ZEN-10020	Firefox browser freezes during Events auto-refresh
ZEN-9926	Products/ZenRRD/parsers/ps.py generates 3 process down events per process
ZEN-10110	Unable to view last lines of command output
ZEN-10099	Zenprocess.py never removes PIDS
ZEN-9863	Wrong Trigger Fires
ZEN-10419	Process Class/Organizer cannot be updated
ZEN-9812	Zenbatchload no longer updates existing devices
ZEN-9859	Flares with sticky option behave incorrectly
ZEN-10036	Need to be able to localize components
ZEN-9870	"Commands" button has no content in IE
ZEN-10274	Filter traps and syslog msgs at collector level
ZEN-10354	Event count not refreshing
ZEN-10038	Browser crashes after leaving event console up for a long time with auto-refresh
ZEN-10315	Unreadable text in dialog boxes in 4.2.4 RPS >SP336
ZEN-9878	Event console filter headers jump back left when scrolling right with no results
ZEN-10148	Insecure http cookies
ZEN-10433	Unable to close, ack, reopen, or unack events when "NOT" (!!) filters are in effect
ZEN-10338	Event console headers bouncing' after filtering.
ZEN-9934	Events console filters and headers don't stay lined up when tabbing over

ZEN-10037	Performance of moving a column is really bad
ZEN-10291	Filter row on any FilterGridPanel does not render after some types of operations
ZEN-10033	Event console renders and scrolls slowly
ZEN-9803	Zenwinperf generates events that do not clear when workers die during wmi queries
ZEN-10393	Processes are not shown in IE9
ZEN-10449	Events, Infrastructure, Reports grids are blank and show error in IE
ZEN-10040	Events, Infrastructure, Reports pages are blank and show javascript error in IE
ZEN-10394	Add components doesn't work in IE9
ZEN-10436	Zencatalogservice traces "rolled back an active transaction" when a connection is closed
ZEN-10372	Impact Service email notifications no longer work with impact chain following upgrade
ZEN-10474	Unable to expand left menu pane far enough
ZEN-10302	Infrastructure page performance issue - query on organizers

SP16 (February 21, 2014)

Resource Manager

Improvements	
ZEN-10023	Selecting services on a device results in ALL services being selected
ZEN-10024	Component search catalog missing indices
ZEN-9729	OSProcess parsing errors with Enterprise AIX ZenPack
ZEN-10259	Zodb schema version correction