



Zenoss Service Dynamics RPS 4.2.5 SP523 Release Notes

Zenoss, Inc.

www.zenoss.com

Zenoss Service Dynamics™ Version 4.2.5 SP523 Release Notes

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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** with regards to CentOS 7 modeling/monitoring support. This RPS will require the installation of the optional net-tools package to provide full support. Native support for minimal installs is being added in a future RPS.

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

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	3.0.6.5	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*	1.3.11	http://wiki.zenoss.org/ZenPack:Enterprise_Linux

*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**
 - logs to \$ZENHOME/log/ toolbox/zodbscan.log
 - **zenrelationscan**
 - logs to \$ZENHOME/log/ toolbox/zenrelationscan.log
 - **findposkeyerror**
 - logs to \$ZENHOME/log/ toolbox/findposkeyerror.log
 - **zencatalogscan**
 - 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	<p>ZenUp 1.1 is required to perform the upgrade. Should ZenUp 1.0 be used, the following error will occur:</p> <ul style="list-style-type: none">➤ 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	<p>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:</p> <ul style="list-style-type: none">➤ zenossdbpack -t <p>Once the tables have been rebuilt, a user can use zenossdbpack as normal.</p>
SP281	<p>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,</p> <ul style="list-style-type: none">➤ zeneventserver stop;➤ rm -fr /opt/zenoss/var/zeneventserver/index/*;➤ zeneventserver start;

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. Performing a Reindex

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. Enhanced **zencatalogservice** Logging

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

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

SP457 (April 10, 2015)

Resource Manager

Improvements	
ZEN-16696	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 shutdown 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 zenosbdbpack.
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-14621	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 way 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-15616	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 <code>zencommand</code> , 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 permissions 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-15516	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-15539	When zeneventserver is unreachable due to high load, the user is notified with an ambiguous message.
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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-12963	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-14420/ ZEN-14479/ ZEN-14706/ ZEN-14419/ ZEN-14482/ ZEN-14483	Improved IE9 support.
ZEN-14617/ ZEN-13852	zenosdbpack 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 loses 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
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

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	zenosddbpack 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.
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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
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

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-11875	Pasting in large log entries at Event console
ZEN-12020	Owners of Administered Objects cannot create sub-locations
ZEN-11839	The event proxy is unable to handle snmp traps that come in with multiple attributes under the same attribute OID

ZEN-11891	Cross-site scripting issue after authentication
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 evaluted 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