Zenoss Resource Manager Release Notes

Release 6.2.1

Zenoss, Inc.

www.zenoss.com

Zenoss Resource Manager Release Notes

About this document

Zenoss Resource Manager Release Notes contains important information about minor and micro releases of Zenoss Resource Manager (short name: Resource Manager).

For equivalent information about Control Center, refer to the *Control Center Release Notes*.

This document provides information about the following releases of Resource Manager:

Date	Release
06 September 2018	6.2.1
12 June 2018	6.2.0
22 March 2018	6.1.2
27 February 2018	6.1.1
09 January 2018	6.1.0

Tested operating environments

The Resource Manager application is deployed in and managed by Control Center. The operating environments of Resource Manager are the Control Center environments that are tested with a given release. The following sections identify the tested operating environments of Resource Manager and Control Center.

Resource Manager, Control Center, and operating systems

The following table identifies the tested combinations of Resource Manager, Control Center, and operating system releases.

Resource Manager release	Control Center	
	Minimum release	Host OS
6.2.1	1.5.1	RHEL/CentOS 7.2, 7.3, 7.4, or 7.5 (64-bit)
6.0.1, 6.1.0, 6.1.1, 6.1.2, 6.2.0[**]	1.5.0, 1.5.1	RHEL/CentOS 7.2, 7.3, or 7.4 (64-bit)
5.3.0, 5.3.1, 5.3.2, 5.3.3	1.3.0, 1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.4.0, 1.4.1	RHEL/CentOS 7.1, 7.2, or 7.3 (64-bit)
5.2.0, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.6[*]	1.2.0, 1.2.1, 1.2.2, 1.2.3, 1.3.0, 1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.4.0, 1.4.1	RHEL/CentOS 7.1, 7.2, or 7.3 (64-bit)
5.1.9, 5.1.10	1.1.9, 1.2.0	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.8	1.1.5, 1.1.6, 1.1.7. 1.1.8, 1.1.9	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.7	1.1.5, 1.1.6, 1.1.7, 1.1.8	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.6 (internal release only)	(none)	(none)
5.1.4, 5.1.5	1.1.5, 1.1.6, 1.1.7	RHEL/CentOS 7.1 or 7.2 (64-bit)

[**] Version 6.0.0 - controlled availability
[*] Version 5.2.5 - withdrawn

Resource Manager release	Control Center	
	Minimum release	Host OS
5.1.3	1.1.2, 1.1.3, 1.1.5	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.2	1.1.2, 1.1.3	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.1	1.1.1, 1.1.2	RHEL/CentOS 7.1 or 7.2 (64-bit)

Hypervisors

Hypervisor	Versions
VMware vSphere	5.0, 5.1, 5.5, 6.0, 6.5
Microsoft Hyper-V	Version 2.0 with Windows Server 2008 R2 SP1
	Version 3.0 with Windows Server 2012 and 2012 R2

Public cloud platforms

Amazon Web Services (AWS) is fully tested.

Microsoft Azure has been tested only for collector pools. Creating a full Control Center deployment to operate Resource Manager has NOT been tested on Microsoft Azure.

Supported clients and browsers

The following table identifies the supported combinations of client operating systems and web browsers.

Client OS	Supported browsers
Windows 7, 10	Internet Explorer 11[*]
	Firefox 56 and later
	Chrome 61 and later
macOS 10.12.3, 10.13	Firefox 56 and later
	Chrome 61 and later
Ubuntu 14.04 LTS	Firefox 56 and later
	Chrome 61 and later

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[*] Enterprise mode only; compatibility mode is not tested.

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Resource Manager 6.2.1

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Considerations and workarounds

New download site

Downloads for Zenoss customers are now available on *delivery.zenoss.com*. Leapfile is no longer used.

Compatibility with Zenoss Service Impact

This version of Resource Manager is compatible with Zenoss Service Impact version 5.2.3 or later.

Regular expression matching limitation

(ZEN-29376) Resource Manager uses the Apache Solr search platform, which tokenizes fields. Currently, searching a tokenized field with a regex matches only a single token, limiting complex regex searches.

For example, on the **INFRASTRUCTURE** page, **IP Address** is a tokenized field. Regex search `^192.168` will not work to filter only IP addresses that start with 192.168. The **Device** column is untokenized; regex search on the device name works as expected.

Load time for component graphs

(ZEN-29300) Load time might exceed 10 seconds for more than 200 component graphs when you have activated the **All on same graph** check box.

NFS client 4.1 is not supported

A file locking defect might exist in NFS 4.1 with RHEL/CentOS 7.4, which could cause zeneventserver to crash and other DFS-related problems. For more information, refer to topic "Configuring NFS 4.0" in the Control Center installation guide or upgrade guide, or knowledge base article *Potential Issues Running With RHEL 7.4 Or CentOS 7.4*.

CentralQuery maximum memory allocation pool

(ZEN-15907) The size of the CentralQuery maximum memory allocation pool is set by the *RAMCommitment* variable in the CentralQuery service definition. The default value is 1024MB. Do not change the value to anything less than 1024MB.

Upgrade considerations

- (ZPS-4306) This release includes an update of the ZenPacks.zenoss.vSphere ZenPack, and the update process removes the transforms associated with the ZenPack. To prevent their removal, create a back up of the transforms, perform the update, and then restore the transforms.
- (ZEN-29807) Upgrading from Resource Manager 5.x to 6.x includes a required step to reindex all cataloged objects into the new Solr index. To speed this process, before upgrading, you can increase the CPU core count to use more workers. For more information, see knowledge base article *Reducing 5.X To 6.X Upgrade Times By Increasing Workers For Indexing*.
- Beginning with release 6.2.1, support for upgrading versions earlier than 5.3.2 was withdrawn from the *Zenoss Resource Manager Upgrade Guide*. For assistance upgrading an earlier version, please contact Zenoss Support.
- The upgrade process might reinstall an older version of the Catalog Service ZenPack. To avoid this issue, manually remove older versions of the Catalog Service ZenPack .egg file from the ZenPack backups directory.
- (ZEN-28375) Beginning with Resource Manager 6.1.0, for counter/derive (rate) data points, the calculated rate value is stored instead of raw counters. The rate is calculated at the collector daemon as it collects data. If a graph (or API) request for a derive of counter data point spans the upgrade data, the system automatically queries the data correctly. However, slight anomalies might occur in the data that is captured immediately before and after an upgrade from Resource Manager 6.0.1 or earlier.
- (ZEN-29100) No data is collected for the ZenossRM device after an upgrade if the localhost collector is moved off the master host. If you have moved the localhost collector off the Control Center master host, to enable data collection, set properties for the `ZenossRM` device as follows:

  1 Navigate to the `ZenossRM` device overview page and select **Configuration Properties**.
  2 Set the following zProperties:

     - `zRMMonCCHost` - Enter the IP address of the Control Center master host.
     - `zRMMonCCUser` - Enter the name of the `ccuser` account, which is the default account for gaining access to the Control Center browser interface.
     - `zRMMonCCPassword` - Enter the password of the `ccuser` account.

New features

There are no new features in this release of Resource Manager.

Fixed issues

ID	Description
ZEN-30495	Modeling and monitoring with SNMP v1 does not work properly.
ZEN-30324	Moving devices between classes increases resource consumption and leaves devices in an inconsistent state.
ZEN-30308, ZEN-30216	SNMP library for Python increases timeout values exponentially.
ZEN-30217	Upgrade script for v6.1.2 tags snapshots incorrectly.
ZEN-29542	Moving a device succeeds but the job reports failure (global name 'log' not defined).
ZEN-29391	Using zenbatchload on a v6.1.0 system with a file generated by zenbatchdump on a v5.3.3 system results in warnings about a missing manageIp function.
ZEN-29062	LDAP configuration screen does not include a field for the user object class.

ID	Description
ZPS-3867	HTTP Monitor ZenPack version 3.0.3 does not include support for regular expressions, so page content can not be checked.

Known issues

ID	Description	Status
ZEN-26802	OS model link in Device Detail page points to wrong manufacturer entry	Open
ZEN-27499	Error message regarding dropped Events displayed during Resource Manager upgrade.	Open
ZEN-28138	`objectGUID` is not available to be selected in Login Name Attribute combo box in LDAP configuration options.	Open
ZEN-28519	Error is displayed when a correct date/time is entered in the Date Range field.	Open
ZEN-28716	On Events page, the **Show only actionable events** check box is not displayed for the `ZenOperator` role.	Open
ZEN-28725	On the Dashboard page, a `ZenManager` can see a dashboard even though that user is part of a group with a restriction.	Open
ZEN-28956	Cisco UCS reports organizer is hidden when using `ZenOperator` role.	Open
ZEN-29100	No data collected for the RM device after an upgrade if the localhost collector is moved off of the master host. For detailed instructions, see *Upgrade Considerations*.	Open
ZEN-29109	Disable Transforms report is not working.	Open
ZEN-29120	Error flare messages appear intermittently on the **Advanced > Control Center** subtab.	Open
ZEN-29376	Unable to use regex matching in tokenized fields. For more information, see *Considerations and workarounds.*	Open
ZEN-29807	Leverage compute resources available on master to speed upgrades. For a workaround, see knowledge base article *Reducing 5.X To 6.X Upgrade Times By Increasing Workers For Indexing*.	Open
ZPS-4306	Default transforms removed when ZenPacks.zenoss.vSphere is updated.	Open

ZenPacks

This section lists ZenPacks that are automatically installed, those that are packaged but not installed, and those that are obsolete and should be uninstalled. For more information about ZenPacks, see the http://www.zenoss.com/product/zenpacks.

Installed ZenPacks

This release of Resource Manager installs the following ZenPacks at the current version listed in the table.

ZenPack	Current version	Previous version
ZenPacks.zenoss.AdvancedSearch	2.0.0	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.AixMonitor	2.2.3	Same
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.AuditLog	1.4.1	Same
ZenPacks.zenoss.AWS	4.0.1	Same
ZenPacks.zenoss.CalculatedPerformance	2.5.0	Same
ZenPacks.zenoss.CiscoMonitor	5.9.0	5.8.1
ZenPacks.zenoss.CiscoUCS	2.7.0	2.6.2
ZenPacks.zenoss.ComponentGroups	1.6.0	Same
ZenPacks.zenoss.ControlCenter	1.6.2	Same
ZenPacks.zenoss.Dashboard	1.2.9	Same
ZenPacks.zenoss.Dell.PowerEdge	2.0.4	Same
ZenPacks.zenoss.Diagram	1.3.1	Same
ZenPacks.zenoss.DistributedCollector	3.1.6	Same
ZenPacks.zenoss.DnsMonitor	3.0.1	Same
ZenPacks.zenoss.Docker	2.0.3	Same
ZenPacks.zenoss.DurationThreshold	2.0.5	2.0.4
ZenPacks.zenoss.DynamicView	1.6.1	Same
ZenPacks.zenoss.EMC.base	2.1.0	2.0.0
ZenPacks.zenoss.EnterpriseCollector	1.8.3	1.8.1
ZenPacks.zenoss.EnterpriseReports	2.5.0	Same
ZenPacks.zenoss.EnterpriseSecurity	1.2.0	Same
ZenPacks.zenoss.EnterpriseSkin	3.3.5	3.3.4
ZenPacks.zenoss.HP.Proliant	3.3.2	3.3.1
ZenPacks.zenoss.HttpMonitor	3.0.4	3.0.3
ZenPacks.zenoss.IBM.Power	1.1.2	Same
ZenPacks.zenoss.InstalledTemplatesReport	1.1.1	Same
ZenPacks.zenoss.JuniperMonitor	2.1.1	Same
ZenPacks.zenoss.LDAPAuthenticator	3.3.1	Same
ZenPacks.zenoss.LDAPMonitor	1.4.2	Same
ZenPacks.zenoss.Licensing	0.2.1	Same
ZenPacks.zenoss.LinuxMonitor	2.2.7	Same
ZenPacks.zenoss.Microsoft.Azure	1.3.0	Same
ZenPacks.zenoss.Microsoft.Windows	2.9.0	Same
ZenPacks.zenoss.MySqlMonitor	3.1.0	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.NetAppMonitor	3.6.0	Same
ZenPacks.zenoss.NtpMonitor	3.0.0	Same
ZenPacks.zenoss.PredictiveThreshold	1.2.2	Same
ZenPacks.zenoss.PropertyMonitor	1.1.1	Same
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.RMMonitor	1.1.0	1.0.4
ZenPacks.zenoss.SolarisMonitor	2.5.1	Same
ZenPacks.zenoss.StorageBase	1.4.3	Same
ZenPacks.zenoss.SupportBundle	1.1.2	Same
ZenPacks.zenoss.vSphere	3.7.2	3.6.3
ZenPacks.zenoss.WBEM	2.0.1	Same
ZenPacks.zenoss.WSMAN	1.0.1	Same
ZenPacks.zenoss.ZenDeviceACL	2.3.0	Same
ZenPacks.zenoss.ZenJMX	3.12.1	Same
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenOperatorRole	2.2.0	Same
ZenPacks.zenoss.ZenPackLib	2.1.1	2.0.9
ZenPacks.zenoss.ZenSQLTx	2.7.1	Same
ZenPacks.zenoss.ZenWebTx	3.0.3	3.0.2

Packaged ZenPacks

The following ZenPacks are packaged with Resource Manager, but not automatically installed:

- ZenPacks.zenoss.BigIpMonitor
- ZenPacks.zenoss.BrocadeMonitor
- ZenPacks.zenoss.Ceph
- ZenPacks.zenoss.CheckPointMonitor
- ZenPacks.zenoss.CiscoAPIC
- ZenPacks.zenoss.DatabaseMonitor
- ZenPacks.zenoss.DB2
- ZenPacks.zenoss.HpuxMonitor
- ZenPacks.zenoss.JBossMonitor
- ZenPacks.zenoss.Memcached
- ZenPacks.zenoss.Microsoft.Exchange
- ZenPacks.zenoss.Microsoft.Lync
- ZenPacks.zenoss.Microsoft.MSMQ
- ZenPacks.zenoss.NetScaler
- ZenPacks.zenoss.NetScreenMonitor
- ZenPacks.zenoss.NSX
- ZenPacks.zenoss.OpenStack

- ZenPacks.zenoss.OpenStackInfrastructure
- ZenPacks.zenoss.OpenvSwitch
- ZenPacks.zenoss.PostgreSQL
- ZenPacks.zenoss.RabbitMQ
- ZenPacks.zenoss.TomcatMonitor
- ZenPacks.zenoss.XenServer

Obsolete ZenPacks

ZenPacks.zenoss.ZenMailTX is obsolete. If this ZenPack is installed at your site, uninstall it.

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Considerations and workarounds

New download site

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Compatibility with Zenoss Service Impact

This version of Resource Manager is compatible with Zenoss Service Impact version 5.2.3 or later.

HTTP Monitor ZenPack v3.0.3 does not include support for regular expressions

(ZPS-3867) Inadvertently, the update of the *HTTP Monitor* ZenPack included in this release does not include the ability to check returned text using regular expressions. If you rely on this feature, please contact Zenoss Support to receive assistance installing the previous version, 2.1.1. The previous version is available on *delivery.zenoss.com*.

Regular expression matching limitation

(ZEN-29376) Resource Manager uses the Apache Solr search platform, which tokenizes fields. Currently, searching a tokenized field with a regex matches only a single token, limiting complex regex searches.

For example, on the **INFRASTRUCTURE** page, **IP Address** is a tokenized field. Regex search ^192.168 will not work to filter only IP addresses that start with 192.168. The **Device** column is untokenized; regex search on the device name works as expected.

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Center installation guide or upgrade guide, or knowledge base article *Potential Issues Running With RHEL 7.4 Or CentOS 7.4*.

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     - zRMMonCCPassword - Enter the password of the ccuser account.

New features

This release of Resource Manager provides the following new features and enhancements.

Missed runs are actionable

(ZEN-25765) Collector daemons regularly initiate the "stats" process as part of the maintenance cycle. The daemon log contains detailed information about collection task status; for example, which devices have missed runs. Missed runs for devices are listed as INFO events in the **EVENTS** console. To see where a missed run occurred, view the event details. If necessary, take action to resolve the issue, such as restarting zenpython.

Viewing devices and events

(ZEN-29263) The browser interface provides consistency between devices and events for those devices. Users can see devices for all **/System** organizers and events for those devices in the sub-organizers under **/System**.

Configurable service restart thresholds

(CC-4100, ZEN-17361) You can use a new feature in Control Center, restart thresholds, to manage services. Edit the service to specify a value in the new field **Restart when memory usage exceeds % of requested RAM**. When your threshold is reached, the service restarts automatically.

For example, if Zope is configured to use 400mB of RAM and its restart threshold is 90%, each instance of that service will be restarted when the service consumes 360mB.

ZenPacks no longer rely on Nagios plugins

(ZEN-28733) The following ZenPacks no longer rely on Nagios plugins. No action is required.

- ZenPacks.zenoss.FtpMonitor
- ZenPacks.zenoss.HttpMonitor
- ZenPacks.zenoss.NtpMonitor
- ZenPacks.zenoss.DnsMonitor
- ZenPacks.zenoss.DigMonitor

Collector Redis cluster

A recent enhancement allows you to cluster the *Redis* caching service (`collectorredis`) in collector pools. Clustering increases the efficiency of multi-host collectors by ensuring that cached configurations are used effectively between `collectorredis` restarts.

For more information, refer to the *Zenoss Resource Manager Configuration Guide*.

Fixed issues

ID	Description
ZEN-18523	When adding items to a multi-tier organizer with drag-and-drop, the organizer contracts after each addtion.
ZEN-23918	Test process class regular expression fails to load processes from a device on a collector that is not localhost.
ZEN-26549	RabbitMQ invalidation queues are not removed on shutdown in 5.x.
ZEN-27067	The `zenbatchdump` command does not use `zCiscoUCSManagerUser` and `zCiscoUCSManagerPassword` when exporting a /CiscoUCS/UCS-Manager device.
ZEN-27806	ZenPack installs and upgrades display a warning about RelStorage.
ZEN-27996	Scrolling in the Event Console jumps up during rapid scrolls down if there are a very large number of events.
ZEN-28615	**Update Report** button on **Licensing** tab does not update licensing details with silent failure.
ZEN-28698	Regular expression does not function in **INFRASTRUCTURE** filter fields.
ZEN-28772	In multigraph reports, graphs defined with a height of 100 pixels are resized to 500 pixels.
ZEN-28773	Graphs with 30 days or more of data load very slowly.
ZEN-28759	Default Admin dashboard is reset after upgrading.

ID	Description
ZEN-28901	Graphs with predictive thresholds do not update to a new time range.
ZEN-28946	Fix for ZEN-27555 caused an issue with `ifIndex` value parsing.
ZEN-29001	Users are logged out Resource Manager unexpectedly.
ZEN-29016	In a trap with BASE64 encoded IP address in a `varbind`, the IP address is not decoded.
ZEN-29026	When adding a Server Linux (SNMP) via **Add Multiples Devices** page, the device type is displayed incorrectly.
ZEN-29027	Maintenance windows enable/disable toggle button is not working.
ZEN-29028	Bound monitoring templates are missing from device overview page; however, templates are bound to the device, and the data sources are polling for and collecting data points.
ZEN-29053	The /Status/Ping/Lag and /Status/ZEP event classes are not installed.
ZEN-29106	Health check fails for service `/Zenoss/User Interface/Zauth` for RabbitMQ not answering.
ZEN-29110	Attempting to save an empty value for properties of `int` type results in the following message: `ValueError: invalid literal for int() with base 10:`.
ZEN-29113	`ConnectionLost` tracebacks occur when running the `zenpython` command.
ZEN-29115	The `DeviceManagementRouter addMaintWindow()` method does not validate input and allows incorrect values to be specified for attributes.
ZEN-29127	Insufficient memory results in a traceback instead of a user-friendly message.
ZEN-29147	Users with no global role can view **Daemon Process Down**.
ZEN-29152	Control Center ZenPack ignores zControlCenterHost on some data sources.
ZEN-29178	Unable to change process class sequence.
ZEN-29184	Searching in the device filter field produces message `ModelCatalogError: Exception performing search`.
ZEN-29232	The gear icon doesn't work in the expanded view of a multigraph.
ZEN-29233	The position of the sidebar in a multigraph resets when the page is refreshed.
ZEN-29234	Cannot add percent sign to multigraph summary legend numbers.
ZEN-29235	Graphs are unreadable when the browser window is narrow.
ZEN-29237	The datapoint limit feature of multigraphs doesn't work.
ZEN-29238	The graph point line width feature of multigraphs doesn't work.
ZEN-29239	Multigraphs are not affected by the value of the graphpoint definition property **Display Full value in footer**.
ZEN-29240	The width property of multigraphs doesn't work.
ZEN-29241	The logarithmic scale property of multigraphs doesn't work.
ZEN-29243	The "Has Summary" option of multigraphs doesn't work.

ID	Description
ZEN-29252	Appliance upgrade fails during image import.
ZEN-29259	Control Center ZenPack does not show the instance number for services with multiple instances.
ZEN-29262	When creating a trigger with defined rules that is linked to a notification with defined rules, and adding a notification schedule, notifications are not activated for the associated notification and triggers.
ZEN-29274	Graphs do not correctly calculate averages.
ZEN-29284	SNMP data source test function fails.
ZEN-29288	Service `zenmapper` start-up health check fails.
ZEN-29289	The datapoint line color option in multigraphs doesn't work.
ZEN-29293 ZEN-28971	Missing **Projected High Disk** threshold for Storage Pools component for EMC VNX.
ZEN-29319	Upgrade process skips storage statistics scripts.
ZEN-29329	Self-monitoring can't detect performance pipeline outages.
ZEN-29333	Upgrades fail because ZenPack dependencies are not properly sorted.
ZEN-29335	Upgrade messages include unnecessary instruction to reindex the catalog.
ZEN-29341	On the INFRASTRUCTURE > Devices page, the details pane does not remain in focus when the device tree is refreshed.
ZEN-29344	The `zenqdump` utility does not read username and password for RabbitMQ from global.conf.
ZEN-29355	Devices with the same IP address can't be installed when the MultiRealm ZenPack installed.
ZEN-29357 ZEN-29704	The `--insecure-registry` flag is incomplete in appliance installs and upgrades.
ZEN-29385	Clicking the **Refresh Tree** context menu does not restore the devices tree to the same state.
ZEN-29404	Create health check for MetricConsumer OpenTsdbWriter Hbase error
ZEN-29451	Catalog service upgrade fails if AWS ZenPack is installed.
ZEN-29457 ZEN-29576	A site error occurs after navigating to a device with a re-named manufacturer product.
ZEN-29404	No health checks for errors that OpenTSDB and HBase return.
ZEN-29484	Map links in Google Maps do not turn red when the link goes down.
ZEN-29492	ZenPack dependency processing only considers ZenPacks published by Zenoss.
ZEN-29556 ZEN-29098	RMMonitor naming convention might allow conflicts on Vue.js viewlet names.

ID	Description
ZEN-29563	Upgrading the **Multi-Realm IP Networks ZenPack** from 2.2.2 to 2.2.3 fails.
ZEN-29574	Move, rename, and delete options on Manufacturers don't work.
ZEN-29575	The `zenhub` service restricts its queue length to 65,536 items.
ZEN-29589	SNMP collector creation fails when any event is present in `/Status/Snmp`.
ZEN-29614	Unable to add device to /Network/Router/Cisco or /Server/Microsoft.
ZEN-29638	Objects are loaded into ZODB prematurely during ZenPack installation or upgrade.
ZEN-29642	Unable to return indexes for a specific object.
ZEN-29673	Context menu does not display records on **INFRASTRUCTURE** > **Manufacturers** page.
ZEN-29684	An upgrade migration script might cause problems with the Catalog Service ZenPack.
ZEN-29687	The event processing service consumes too much memory.
ZEN-29746	Filtering the **INFRASTRUCTURE** page by device class shows incorrect devices after scrolling down a few pages.
ZEN-29750	The default DNSMonitor template uses `${dev/id}` instead of `${dev/manageIP}` for the DNS server field.
ZEN-29751	A DNS server connection refusal triggers a python error and no event is generated.
ZEN-29794	Page display errors occur in the Microsoft Edge browser.
ZEN-29810	The following `zenmodeler` traceback occurs when two transactions are simultaneously updating the same data: ```TypeError: __init__() takes exactly 4 arguments (3 given)```
ZEN-29824	When using the Linux Monitor ZenPack, the Next Hop link fails.
ZEN-29841	Callhome count includes linked guests for VM's on decommissioned vSphere endpoints.

Known issues

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ZPS-3867	HTTP Monitor ZenPack version 3.0.3 does not include support for regular expressions, so page content can not be checked.	Open
ZEN-26802	OS model link in Device Detail page points to wrong manufacturer entry	Open
ZEN-27499	Error message regarding dropped Events displayed during Resource Manager upgrade.	Open
ZEN-28138	`objectGUID` is not available to be selected in Login Name Attribute combo box in LDAP configuration options.	Open

ID	Description	Status
ZEN-28519	Error is displayed when a correct date/time is entered in the Date Range field.	Open
ZEN-28716	On Events page, the **Show only actionable events** check box is not displayed for the `ZenOperator` role.	Open
ZEN-28725	On the Dashboard page, a `ZenManager` can see a dashboard even though that user is part of a group with a restriction.	Open
ZEN-28956	Cisco UCS reports organizer is hidden when using `ZenOperator` role.	Open
ZEN-29100	No data collected for the RM device after an upgrade if the localhost collector is moved off of the master host. For detailed instructions, see *Upgrade Considerations*.	Open
ZEN-29109	Disable Transforms report is not working.	Open
ZEN-29120	Error flare messages appear intermittently on the **Advanced > Control Center** subtab.	Open
ZEN-29376	Unable to use regex matching in tokenized fields. For more information, see *Considerations and workarounds.*	Open
ZEN-29807	Leverage compute resources available on master to speed upgrades. For a workaround, see knowledge base article *Reducing 5.X To 6.X Upgrade Times By Increasing Workers For Indexing*.	Open

ZenPacks

This section lists ZenPacks that are automatically installed, those that are packaged but not installed, and those that are obsolete and should be uninstalled. For more information about ZenPacks, see the http://www.zenoss.com/product/zenpacks.

Installed ZenPacks

This release of Resource Manager installs the following ZenPacks at the current version listed in the table.

Table 1: Release 6.2.0 installed ZenPacks

ZenPack	Current version	Previous version
ZenPacks.zenoss.AdvancedSearch	2.0.0	Same
ZenPacks.zenoss.AixMonitor	2.2.3	Same
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.AuditLog	1.4.1	Same
ZenPacks.zenoss.AWS	4.0.1	4.0.0
ZenPacks.zenoss.CalculatedPerformance	2.5.0	Same
ZenPacks.zenoss.CiscoMonitor	5.8.1	Same
ZenPacks.zenoss.CiscoUCS	2.6.2	Same
ZenPacks.zenoss.ComponentGroups	1.6.0	1.5.0
ZenPacks.zenoss.ControlCenter	1.6.2	1.6.1

ZenPack	Current version	Previous version
ZenPacks.zenoss.Dashboard	1.2.9	1.2.8
ZenPacks.zenoss.Dell.PowerEdge	2.0.4	Same
ZenPacks.zenoss.Diagram	1.3.1	Same
ZenPacks.zenoss.DistributedCollector	3.1.6	Same
ZenPacks.zenoss.DnsMonitor	3.0.1	3.0.0
ZenPacks.zenoss.Docker	2.0.3	2.0.2
ZenPacks.zenoss.DurationThreshold	2.0.4	Same
ZenPacks.zenoss.DynamicView	1.6.1	1.6.0
ZenPacks.zenoss.EMC.base	2.0.0	1.2.1
ZenPacks.zenoss.EnterpriseCollector	1.8.1	1.8.0
ZenPacks.zenoss.EnterpriseReports	2.5.0	Same
ZenPacks.zenoss.EnterpriseSecurity	1.2.0	Same
ZenPacks.zenoss.EnterpriseSkin	3.3.4	Same
ZenPacks.zenoss.HP.Proliant	3.3.1	3.3.0
ZenPacks.zenoss.HttpMonitor	3.0.0	2.1.1
ZenPacks.zenoss.IBM.Power	1.1.2	Same
ZenPacks.zenoss.InstalledTemplatesReport	1.1.1	Same
ZenPacks.zenoss.JuniperMonitor	2.1.1	Same
ZenPacks.zenoss.LDAPAuthenticator	3.3.1	Same
ZenPacks.zenoss.LDAPMonitor	1.4.2	1.4.1
ZenPacks.zenoss.Licensing	0.2.1	0.2.0
ZenPacks.zenoss.LinuxMonitor	2.2.7	2.2.6
ZenPacks.zenoss.Microsoft.Azure	1.3.0	Same
ZenPacks.zenoss.Microsoft.Windows	2.9.0	2.8.3
ZenPacks.zenoss.MySqlMonitor	3.1.0	3.0.9
ZenPacks.zenoss.NetAppMonitor	3.6.0	Same
ZenPacks.zenoss.NtpMonitor	3.0.0	2.2.3
ZenPacks.zenoss.PredictiveThreshold	1.2.2	Same
ZenPacks.zenoss.PropertyMonitor	1.1.1	Same
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.RMMonitor	1.0.4	1.0.2
ZenPacks.zenoss.SolarisMonitor	2.5.1	2.5.0
ZenPacks.zenoss.StorageBase	1.4.3	Same
ZenPacks.zenoss.SupportBundle	1.1.2	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.vSphere	3.6.3	Same
ZenPacks.zenoss.WBEM	2.0.0	1.0.3
ZenPacks.zenoss.WSMAN	1.0.1	Same
ZenPacks.zenoss.ZenDeviceACL	2.3.0	Same
ZenPacks.zenoss.ZenJMX	3.12.1	Same
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenOperatorRole	2.2.0	Same
ZenPacks.zenoss.ZenPackLib	2.0.9	2.0.7
ZenPacks.zenoss.ZenSQLTx	2.7.1	2.7.0
ZenPacks.zenoss.ZenWebTx	3.0.2	3.0.1

Packaged ZenPacks

The following ZenPacks are packaged with Resource Manager, but not automatically installed:

- ZenPacks.zenoss.BigIpMonitor
- ZenPacks.zenoss.BrocadeMonitor
- ZenPacks.zenoss.Ceph
- ZenPacks.zenoss.CheckPointMonitor
- ZenPacks.zenoss.CiscoAPIC
- ZenPacks.zenoss.DatabaseMonitor
- ZenPacks.zenoss.DB2
- ZenPacks.zenoss.HpuxMonitor
- ZenPacks.zenoss.JBossMonitor
- ZenPacks.zenoss.Memcached
- ZenPacks.zenoss.Microsoft.Exchange
- ZenPacks.zenoss.Microsoft.Lync
- ZenPacks.zenoss.Microsoft.MSMQ
- ZenPacks.zenoss.NetScaler
- ZenPacks.zenoss.NetScreenMonitor
- ZenPacks.zenoss.NSX
- ZenPacks.zenoss.OpenStack
- ZenPacks.zenoss.OpenStackInfrastructure
- ZenPacks.zenoss.OpenvSwitch
- ZenPacks.zenoss.PostgreSQL
- ZenPacks.zenoss.RabbitMQ
- ZenPacks.zenoss.TomcatMonitor
- ZenPacks.zenoss.XenServer

Obsolete ZenPacks

ZenPacks.zenoss.ZenMailTX is obsolete. If this ZenPack is installed at your site, uninstall it.

Errata and documentation

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This section includes the following information:

- Release-specific documentation errata, if any
- Descriptions of additional documentation

Additional information

The Resource Manager distribution includes PDF and HTML versions of the following documents:

- *Zenoss Resource Manager Planning Guide*
- *Zenoss Resource Manager Installation Guide*
- *Zenoss Resource Manager Configuration Guide*
- *Zenoss Resource Manager Administration Guide*
- *Zenoss Resource Manager Upgrade Guide*

The Control Center release includes both PDF and HTML versions of its documentation, as well.

The documentation included in a release is synchronized with the release. That is, instead of inserting errata into release notes, document errors are corrected, and the corrected documents are included in the upgrade or patch release. Similarly, when a feature change or addition is included in an upgrade or patch release, the documentation is also updated.

Documentation feedback

Zenoss welcomes your comments and suggestions regarding our documentation. To share your comments, please send an email to docs@zenoss.com. In the email, include the document title and part number. The part number appears at the end of the list of trademarks, at the front of PDF versions of a document.