Zenoss Resource Manager Release Notes

Release 5.2.2

Zenoss, Inc.

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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 (Resource Manager).

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

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

Date	Release
27 February 2017	5.2.2
25 January 2017	5.2.1
30 November 2016	5.2.0

Supported clients and browsers

The client operating systems and web browser combinations supported in this release.

- All browsers must have Adobe® Flash® Player 11 installed, or a more recent version.
- Compatibility mode is not supported in Internet Explorer.

Client OS	Supported Browsers
Windows 7 and 8.1	Internet Explorer 11 (enterprise mode is supported)
	Internet Explorer 10
	Firefox 30 and above
	Chrome 30 and above
Windows Server 2012 R2	Firefox 30
	Chrome 36
Macintosh OS/X 10.9	Firefox 30 and above
	Chrome 36 and above
Ubuntu 14.04 LTS	Firefox 30 and above
	Chrome 37 and above
Red Hat Enterprise Linux 6.5, CentOS 6.5	Firefox 30 and above
	Chrome 37 and above

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Supported operating environments

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

Resource Manager, Control Center, and operating systems

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

Resource Manager Release	Control Center	
	Release	Host OS
5.2.0, 5.2.1, 5.2.2	1.2.0, 1.2.1, 1.2.2, 1.2.3, 1.3.0	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)
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

Public cloud platforms

Amazon Web Services (AWS) is fully supported.

Microsoft Azure is supported only for collector pools. Deploying a full Control Center cluster to operate Resource Manager is NOT supported on Microsoft Azure.

Supported clients and browsers

Resource Manager supports the same client operating systems and web browsers that Control Center supports. For more information, refer to Control Center documentation.

Resource Manager 5.2.2

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New features

Resource Manager 5.2.2 provides the following new feature:

■ When installing, upgrading, or removing ZenPacks, you can do so without first stopping services. When Resource Manager is managed by version 1.3.x or later of Control Center, rolling restart reduces or eliminates downtime for some services on restart.

Fixed issues

Table 1: Release 5.2.2

ID	Description
ZEN-22244	Security: Restrictions are not placed on number of failed authentication attempts
ZEN-26171	Logging from `zenossdbpack` is not retained
ZEN-26260	Unable to change date format for First Seen/Last Seen columns in Event console
ZEN-26418	Details for cold start traps differ depending on version of SNMP
ZEN-26581	ZenPack loader and `zenmib` overwrites MIB files
ZEN-26629	Security: XSS on the device's Details page
ZEN-26630	Security: XSS in search results for events
ZEN-26631	Auto-cleared events have transient severity
ZEN-26646	Graph data point format is not honored in graph legend display
ZEN-26698	Overridden objects UI shows the device classes of devices when it should show the actual devices
ZEN-26704	Within Resource Manager, the link from a VM to the vCenter or vSphere endpoint is broken
ZEN-26756	Users are not alerted to missed collection runs
ZEN-26764	HBase defect leads to out of control growth on disk
ZEN-26769	Zoom in/Zoom out does not work on "Open in New Tab"

ID	Description
ZEN-26770	Expand graph pop-up window does not show data below window frame without scroll bar
ZEN-26775	Unable to change Docker IP address via menu
ZEN-26779	Graphs do not display thresholds unless threshold name is clicked
ZEN-26818	Time stamps are not consistent (local time vs. UTC) in event logs and some graph displays
ZEN-26830	Allow an admin to configure the number of reports a single user can run at a time, preventing UI slowness or `zope` crashes
ZEN-26859	Pop-up windows, resulting from hovering over a data point, can be hidden behind the left-side panel
ZEN-26873	SNMPv2c and SNMPv3 traps are not always associated with the agent's source address

Known issues

Table 2: Release 5.2.2

ID	Description	Status
ZEN-26258	Device graph does not display the maximum value correctly. This issue has been removed from Resource Manager 5.2.2. It was previously listed as fixed in version 5.2.1.	Open

ZenPacks

This release of Resource Manager supports ZenPacks at the current version listed in the following table. For more information about ZenPacks, see http://wiki.zenoss.org/ZenPack_Catalog.

Table 3: Release 5.2.2

ZenPack	Current version	Previous version
ZenPacks.zenoss.AdvancedSearch	1.2.1	1.2.0
ZenPacks.zenoss.AixMonitor	2.2.2	Same
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.AuditLog	1.4.0	Same
ZenPacks.zenoss.BigIpMonitor	2.7.1	Same
ZenPacks.zenoss.BrocadeMonitor	2.1.1	Same
ZenPacks.zenoss.CalculatedPerformance	2.3.0	Same
ZenPacks.zenoss.CatalogService	3.1.1	Same
ZenPacks.zenoss.CheckPointMonitor	2.0.2	Same
ZenPacks.zenoss.CiscoMonitor	5.7.3	Same
ZenPacks.zenoss.CiscoUCS	2.5.5	Same
ZenPacks.zenoss.ComponentGroups	1.2.0	Same
ZenPacks.zenoss.ControlCenter	1.5.0	1.4.2

ZenPack	Current version	Previous version
ZenPacks.zenoss.Dashboard	1.2.5	Same
ZenPacks.zenoss.DellMonitor	2.2.0	Same
ZenPacks.zenoss.Diagram	1.3.1	Same
ZenPacks.zenoss.DigMonitor	1.1.0	Same
ZenPacks.zenoss.DistributedCollector	3.1.2	Same
ZenPacks.zenoss.DnsMonitor	2.1.0	Same
ZenPacks.zenoss.DynamicView	1.5.0	Same
ZenPacks.zenoss.EnterpriseCollector	1.7.0	Same
ZenPacks.zenoss.EnterpriseReports	2.4.0	Same
ZenPacks.zenoss.EnterpriseSecurity	1.2.0	Same
ZenPacks.zenoss.EnterpriseSkin	3.3.4	Same
ZenPacks.zenoss.FtpMonitor	1.1.0	Same
ZenPacks.zenoss.HPMonitor	2.1.0	Same
ZenPacks.zenoss.HpuxMonitor	2.0.1	Same
ZenPacks.zenoss.HttpMonitor	2.1.0	Same
ZenPacks.zenoss.JBossMonitor	2.4.2	Same
ZenPacks.zenoss.JuniperMonitor	2.1.1	Same
ZenPacks.zenoss.LDAPAuthenticator	3.3.0	Same
ZenPacks.zenoss.LDAPMonitor	1.4.1	Same
ZenPacks.zenoss.Licensing	0.2.0	Same
ZenPacks.zenoss.LinuxMonitor	2.1.0	Same
ZenPacks.zenoss.Microsoft.Windows	2.6.11	Same
ZenPacks.zenoss.MySqlMonitor	3.0.7	Same
ZenPacks.zenoss.NetAppMonitor	3.3.2	Same
ZenPacks.zenoss.NetScreenMonitor	2.2.2	Same
ZenPacks.zenoss.NortelMonitor	2.0.2	Same
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PredictiveThreshold	1.2.0	Same
ZenPacks.zenoss.PropertyMonitor	1.1.0	Same
ZenPacks.zenoss.PythonCollector	1.8.2	Same
ZenPacks.zenoss.SolarisMonitor	2.5.0	Same
ZenPacks.zenoss.StorageBase	1.4.1	Same
ZenPacks.zenoss.SupportBundle	1.1.0	Same
ZenPacks.zenoss.TomcatMonitor	2.3.0	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.vCloud	1.4.9	Same
ZenPacks.zenoss.vSphere	3.5.3	Same
ZenPacks.zenoss.WBEM	1.0.3	Same
ZenPacks.zenoss.WebLogicMonitor	2.2.3	Same
ZenPacks.zenoss.WebsphereMonitor	1.2.2	Same
ZenPacks.zenoss.ZenDeviceACL	2.2.0	Same
ZenPacks.zenoss.ZenJMX	3.12.1	Same
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenMailTx	2.6.0	Same
ZenPacks.zenoss.ZenOperatorRole	2.1.0	Same
ZenPacks.zenoss.ZenPackLib	2.0.3	2.0.1
ZenPacks.zenoss.ZenSQLTx	2.6.5	Same
ZenPacks.zenoss.ZenWebTx	3.0.0	Same

Notes and workarounds

Perform migration after upgrading Control Center to 1.3.0 (ZEN-26904)

Resource Manager 5.2.2 was released before Control Center 1.3.0. If you installed or upgraded Resource Manager to 5.2.2 before upgrading Control Center to 1.3.0, run the zenmigrate command. The migration command enables Resource Manager services to utilize the Control Center 1.3.0 emergency shutdown feature. For more information, see *Enabling emergency shutdown in Resource Manager* on page 9.

Enabling emergency shutdown in Resource Manager

Before performing this procedure, start Control Center and Resource Manager.

Use this procedure to enable Resource Manager services to utilize the emergency shutdown feature of Control Center 1.3.0. This procedure is only necessary for Resource Manager 5.2.2 deployments that upgraded Control Center from 1.2.x to 1.3.0 **after** installing or upgrading to Resource Manager 5.2.2.

1 Log in to the Control Center master host as root, or as a user with superuser privileges.
2 Invoke the migration script.

```
serviced service shell zope su - zenoss \
  -c "zenmigrate --step=AddServiceRunLevels"
```

Resource Manager 5.2.1

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New features

Resource Manager 5.2.1 provides the following new feature:

- **Updated release and inclusion of the Zenoss ZenPack SDK**: This software development kit (SDK) is included as a ZenPack (`ZenPacks.zenoss.ZenPackLib`) and it contains numerous developer-focused enhancements that allow users to more easily build, test, and deploy custom ZenPacks. For more information visit *https://zenpack-sdk.zenoss.com*.

Fixed issues

Table 4: Release 5.2.1

ID	Description
ZEN-21950	Links to Event views with time value filter do not include those time values when the link is followed.
ZEN-23196	Zen Packs that add or modify sequence numbers do not log the changes that were made during installation.
ZEN-23987	Exporting events does not work properly when the operator "!!" is used in filters.
ZEN-25636	For maintenance windows, the clearing event does not close the associated started maintenance window event.
ZEN-25963	User and time stamp for event log entries span multiple lines.
ZEN-25995	Possible XSS vulnerability when performing device searches.
ZEN-26020	MetricShipper can fail silently when the connection to MetricConsumer fails.
ZEN-26108	When displayed columns are configured in the Event Console, the Create Incident button disappears.
ZEN-26147	Date range filtering does not functioning in the Event Console.
ZEN-26254	Adding a new device or line to a graph does not get dynamically added to the link to the graph; only 28 items can be added.
ZEN-26258	Device graph does not display the maximum value correctly.

ID	Description
ZEN-26321	The default date format can be configured in User Settings.
ZEN-26403	One of the metricreporters in MetricConsumer and CentralQuery fail authentication.
ZEN-26439	Event summary and message details are displayed over multiple lines when the screen has room to display more of the content on the same line.
ZEN-26459	Pressing the Enter key does not add entries in an event log.
ZEN-26460	Typing a partial IP address into the IP address search box on the Infrastructure page results in meaningless log entries.
ZEN-26580	IPv6 addresses are not displayed in device interface components.
ZEN-26590	HRFileSystemMap plugin does not convert unsigned integers.
ZEN-26621	Pulling device configurations from a collector with large number of devices performs slowly.

ZenPacks

This release of Resource Manager supports ZenPacks at the current version listed in the following table. For more information about ZenPacks, see http://wiki.zenoss.org/ZenPack_Catalog.

Table 5: Release 5.2.1

ZenPack	Current version	Previous version
ZenPacks.zenoss.AdvancedSearch	1.2.0	1.1.6
ZenPacks.zenoss.AixMonitor	2.2.2	Same
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.AuditLog	1.4.0	1.3.1
ZenPacks.zenoss.BigIpMonitor	2.7.1	Same
ZenPacks.zenoss.BrocadeMonitor	2.1.1	Same
ZenPacks.zenoss.CalculatedPerformance	2.3.0	2.2.1
ZenPacks.zenoss.CatalogService	3.1.1	3.0.11
ZenPacks.zenoss.CheckPointMonitor	2.0.2	2.0.1
ZenPacks.zenoss.CiscoMonitor	5.7.3	5.7.2
ZenPacks.zenoss.CiscoUCS	2.5.5	2.5.0
ZenPacks.zenoss.ComponentGroups	1.2.0	1.1.1
ZenPacks.zenoss.ControlCenter	1.4.2	1.4.1
ZenPacks.zenoss.Dashboard	1.2.5	1.2.4
ZenPacks.zenoss.DellMonitor	2.2.0	Same
ZenPacks.zenoss.Diagram	1.3.1	1.2.4
ZenPacks.zenoss.DigMonitor	1.1.0	Same
ZenPacks.zenoss.DistributedCollector	3.1.2	3.0.3

ZenPack	Current version	Previous version
ZenPacks.zenoss.DnsMonitor	2.1.0	Same
ZenPacks.zenoss.DynamicView	1.5.0	1.4.0
ZenPacks.zenoss.EnterpriseCollector	1.7.0	1.6.3
ZenPacks.zenoss.EnterpriseReports	2.4.0	2.4.0
ZenPacks.zenoss.EnterpriseSecurity	1.2.0	1.1.0
ZenPacks.zenoss.EnterpriseSkin	3.3.4	Same
ZenPacks.zenoss.FtpMonitor	1.1.0	Same
ZenPacks.zenoss.HPMonitor	2.1.0	Same
ZenPacks.zenoss.HpuxMonitor	2.0.1	Same
ZenPacks.zenoss.HttpMonitor	2.1.0	Same
ZenPacks.zenoss.JBossMonitor	2.4.2	Same
ZenPacks.zenoss.JuniperMonitor	2.1.1	Same
ZenPacks.zenoss.LDAPAuthenticator	3.3.0	3.2.1
ZenPacks.zenoss.LDAPMonitor	1.4.1	Same
ZenPacks.zenoss.Licensing	0.2.0	0.1.2
ZenPacks.zenoss.LinuxMonitor	2.1.0	2.0.4
ZenPacks.zenoss.Microsoft.Windows	2.6.11	2.6.8
ZenPacks.zenoss.MySqlMonitor	3.0.7	Same
ZenPacks.zenoss.NetAppMonitor	3.3.2	3.3.1
ZenPacks.zenoss.NetScreenMonitor	2.2.2	2.2.1
ZenPacks.zenoss.NortelMonitor	2.0.2	Same
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PredictiveThreshold	1.2.0	1.1.1
ZenPacks.zenoss.PropertyMonitor	1.1.0	Same
ZenPacks.zenoss.PythonCollector	1.8.2	1.8.1
ZenPacks.zenoss.SolarisMonitor	2.5.0	Same
ZenPacks.zenoss.StorageBase	1.4.1	Same
ZenPacks.zenoss.SupportBundle	1.1.0	1.0.0
ZenPacks.zenoss.TomcatMonitor	2.3.0	Same
ZenPacks.zenoss.vCloud	1.4.9	Same
ZenPacks.zenoss.vSphere	3.5.3	3.4.1
ZenPacks.zenoss.WBEM	1.0.3	Same
ZenPacks.zenoss.WebLogicMonitor	2.2.3	Same
ZenPacks.zenoss.WebsphereMonitor	1.2.2	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.ZenDeviceACL	2.2.0	2.1.1
ZenPacks.zenoss.ZenJMX	3.12.1	Same
ZenPacks.zenoss.ZenMail	5.1.0	5.0.2
ZenPacks.zenoss.ZenMailTx	2.6.0	2.6.0
ZenPacks.zenoss.ZenOperatorRole	2.1.0	2.0.2
ZenPacks.zenoss.ZenPackLib	2.0.1	New
ZenPacks.zenoss.ZenSQLTx	2.6.5	2.6.4
ZenPacks.zenoss.ZenWebTx	3.0.0	Same

Resource Manager 5.2.0

<div align="right" style="font-size:3em">3</div>

New features

Resource Manager 5.2.0 provides the following performance improvements:

- **Improved browser interface scalability**: The browser interface has been enhanced to support dozens of simultaneous users. In practice, the limit on the number of concurrent users will be subject to actual system sizing and activity level.

- **Improved performance for production state changes**: The amount of time required to change production state on a device (typically, to put a device into or out of maintenance mode) has been greatly reduced, allowing Resource Manager to put many hundreds of devices into maintenance mode in a few minutes. The actual performance will vary depending on the types of devices involved, particularly the number of components each device has.

- **Upgraded service libraries**: The following libraries have been updated with fixes for defects and enhancements:

  - **OpenTSDB**: Randomized unique identifiers provide better distribution among regions.
  - **Logstash**: Improved reliability under heavy loads.
  - **Kibana**: Improved log viewing.
  - **Java 8**: Enhanced security.
  - **Docker**: Performance enhancements.
  - **Twisted**: Enhanced SSH security.
  - **Nginx**: Performance enhancements.

Fixed issues

Table 6: Release 5.2.0

ID	Description
ZEN-2851	Default first seen and last seen column width is too short
ZEN-5419	Modeling devices gives "running_extractAddressAndPort" messages
ZEN-6979	Cross-Site Request Forgery (CSRF) vulnerabilities
ZEN-10184	The `prod_state` option in `zendisc.conf` is not respected
ZEN-15322	Special characters in organizer names cause IpServices page not to load

ID	Description
ZEN-15367	Notifications created in ZenPack zep/actions.json do not get default values
ZEN-16792	Using the `zenprocess.conf` showprocs option breaks data collection
ZEN-19240	Ensure that the SSL certs use SHA-256
ZEN-20437	Resource Manager should indicate if the device has no data to show in the graphs
ZEN-21978	Not able to remove a data source from a monitoring template class
ZEN-22056	Multigraph reports show incorrect data
ZEN-22068	Multigraph reports show the same data for all devices/components for a particular datapoint
ZEN-22368	All LinuxMonitor graphs are too small
ZEN-22413	Legend color sequence mismatch in component graphs when "All on Same Graph" is used with hidden graphpoints
ZEN-22748	Resource Manager 5.1.1 SSH incompatible with OpenSSH 7.x
ZEN-23768	Unable to add component groups as administered objects to users and groups

ZenPacks

This release of Resource Manager supports ZenPacks at the current version listed in the following table. For more information about ZenPacks, see http://wiki.zenoss.org/ZenPack_Catalog.

Table 7: Release 5.2.0

ZenPack	Current version	Previous version
ZenPacks.zenoss.AdvancedSearch	1.2.0	1.1.6
ZenPacks.zenoss.AixMonitor	2.2.2	Same
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.AuditLog	1.4.0	1.3.1
ZenPacks.zenoss.BigIpMonitor	2.7.1	Same
ZenPacks.zenoss.BrocadeMonitor	2.1.1	Same
ZenPacks.zenoss.CalculatedPerformance	2.3.0	2.2.1
ZenPacks.zenoss.CatalogService	3.1.1	3.0.11
ZenPacks.zenoss.CheckPointMonitor	2.0.2	2.0.1
ZenPacks.zenoss.CiscoMonitor	5.7.3	5.7.2
ZenPacks.zenoss.CiscoUCS	2.5.0	2.4.4
ZenPacks.zenoss.ComponentGroups	1.2.0	1.1.1
ZenPacks.zenoss.ControlCenter	1.4.1	1.2.5
ZenPacks.zenoss.Dashboard	1.2.4	1.2.3
ZenPacks.zenoss.DellMonitor	2.2.0	Same
ZenPacks.zenoss.Diagram	1.3.1	1.2.4

ZenPack	Current version	Previous version
ZenPacks.zenoss.DigMonitor	1.1.0	Same
ZenPacks.zenoss.DistributedCollector	3.1.2	3.0.3
ZenPacks.zenoss.DnsMonitor	2.1.0	Same
ZenPacks.zenoss.DynamicView	1.5.0	1.4.0
ZenPacks.zenoss.EnterpriseCollector	1.7.0	1.6.3
ZenPacks.zenoss.EnterpriseReports	2.4.0	2.4.0
ZenPacks.zenoss.EnterpriseSecurity	1.2.0	1.1.0
ZenPacks.zenoss.EnterpriseSkin	3.3.4	Same
ZenPacks.zenoss.FtpMonitor	1.1.0	Same
ZenPacks.zenoss.HPMonitor	2.1.0	Same
ZenPacks.zenoss.HpuxMonitor	2.0.1	Same
ZenPacks.zenoss.HttpMonitor	2.1.0	Same
ZenPacks.zenoss.JBossMonitor	2.4.2	Same
ZenPacks.zenoss.JuniperMonitor	2.1.1	Same
ZenPacks.zenoss.LDAPAuthenticator	3.3.0	3.2.1
ZenPacks.zenoss.LDAPMonitor	1.4.1	Same
ZenPacks.zenoss.Licensing	0.2.0	0.1.2
ZenPacks.zenoss.LinuxMonitor	2.1.0	2.0.4
ZenPacks.zenoss.Microsoft.Windows	2.6.8	2.6.3
ZenPacks.zenoss.MySqlMonitor	3.0.7	Same
ZenPacks.zenoss.NetAppMonitor	3.3.2	3.3.1
ZenPacks.zenoss.NetScreenMonitor	2.2.2	2.2.1
ZenPacks.zenoss.NortelMonitor	2.0.2	Same
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PredictiveThreshold	1.2.0	1.1.1
ZenPacks.zenoss.PropertyMonitor	1.1.0	Same
ZenPacks.zenoss.PythonCollector	1.8.2	1.8.1
ZenPacks.zenoss.SolarisMonitor	2.5.0	Same
ZenPacks.zenoss.StorageBase	1.4.1	Same
ZenPacks.zenoss.SupportBundle	1.1.0	1.0.0
ZenPacks.zenoss.TomcatMonitor	2.3.0	Same
ZenPacks.zenoss.vCloud	1.4.9	Same
ZenPacks.zenoss.vSphere	3.5.3	3.4.1
ZenPacks.zenoss.WBEM	1.0.3	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.WebLogicMonitor	2.2.3	Same
ZenPacks.zenoss.WebsphereMonitor	1.2.2	Same
ZenPacks.zenoss.ZenDeviceACL	2.2.0	2.1.1
ZenPacks.zenoss.ZenJMX	3.12.1	Same
ZenPacks.zenoss.ZenMail	5.1.0	5.0.2
ZenPacks.zenoss.ZenMailTx	2.6.0	2.6.0
ZenPacks.zenoss.ZenOperatorRole	2.1.0	2.0.2
ZenPacks.zenoss.ZenSQLTx	2.6.5	2.6.4
ZenPacks.zenoss.ZenWebTx	3.0.0	Same

Limitations, errata, and documentation

A

This section includes the following information:

- Known limitations of Resource Manager
- Release-specific documentation errata, if any
- Descriptions of additional documentation

Limitations

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. (ZEN-15907).

Additional information

Beginning with release 5.0.0, all Resource Manager distributions include PDF versions of the following documents:

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

Likewise, all releases of Control Center include an HTML version of its documentation.

The documentation included in a release is in sync 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 updated, too.

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.