Zenoss Resource Manager
Release Notes

Release 5.3.3

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 (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
09 November 2017	5.3.3
25 September 2017	5.3.2
31 August 2017	5.3.1
17 August 2017	5.3.0

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
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, 1.4.2	RHEL/CentOS 7.1, 7.2, or 7.3 (64-bit). In addition the Resource Manager 5.3.3 / Control Center 1.4.2 combination is also supported on RHEL/CentOS 7.4.
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)
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)

---

[*] Version 5.2.5 was withdrawn.

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

---

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

Resource Manager 5.3.3

<div style="text-align: right; font-size: large;">1</div>

Beginning on 1 December 2017, downloads for Resource Manager customers will only be available on *delivery.zenoss.com* and will no longer be available on Leapfile.

New features

This release of Resource Manager provides the following new feature.

Graph enhancements

There have been many improvements to the graphing functionality including the ability to configure a default time range and number of columns, and clicking within a graph to zoom in and re-center the graph. For more information, see the *Zenoss Resource Manager Administration Guide*.

Fixed issues

Table 1: Release 5.3.3

ID	Description
ZEN-27574	Invalidation worker churn when `invalidationlimit` is too low.
ZEN-28139	Changing the format for the top data point changes all data points.
ZEN-28503	Some missing runs every 6 hours in `NetAppMonitor`.
ZEN-28516	SNMP datasource test function does not escape special characters in the community string.
ZEN-28521	`zenbatchload` should use `setManageIP` during device creation, not just after.
ZEN-28542	RAM usage constantly increases while viewing Events page.
ZEN-28588	Create an event when a transform has been blocked.
ZEN-28589	`zencommand` not functioning from the UI.
ZEN-28602	Zoom in functionality by clicking in graph is missing.
ZEN-28610	Audit log is filling up with `user=Unknown action=Failed` messages by default.

ID	Description
ZEN-28623	`zencommand` logging messages with passwords that are not masked.
ZEN-28624	`zenhub` logging messages with passwords that are not masked.
ZEN-28632	`zep` clears off Service Impact metadata for a service event if the size of the metadata is greater than half of the max event size.
ZEN-28741	A traceback occurs when a process fails to join at the end of a reindex using `model_catalog_init`.
ZEN-28765	Template binding order is reset when returning to the template binding window.
ZEN-28782	Negative values displayed on graphs for some services.
ZEN-28790	No values are show for graphs of the Control Center device.
ZEN-28807	Setting a multigraph report data point to be a stacked line graph shows data but does not stack it.
ZEN-28809	Multigraph report graph legends must expand horizontally to fill the available graph width.
ZEN-28810	Exporting multigraph report graph data to CSV includes full data series name.
ZEN-28811	Multigraph report legend items must only contain what is in the Legend definition.
ZEN-28818	Apply naming rules to alias IDs.
ZEN-28830	Log problematic alias names rather than just raising an exception.
ZEN-28832	`CentralQuery` fails to start with unrecognized field exception (`openTsdbUrl`).
ZEN-28925	`zencommand` depends on an IP address for devices.

Known issues

Table 2: Release 5.3.3

ID	Description	Status
ZEN-26802	OS model link in Device Detail page points to wrong manufacturer entry	Open
ZEN-27499	Error message 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-28900	Job failure when adding new devices.	Open
ZEN-28956	Cisco UCS reports organizer is hidden when using `ZenOperator` role.	Open
ZEN-28969	Custom variables creation should not require a value.	Open

ID	Description	Status
ZEN-28971	Missing **Projected High Disk** threshold for Storage Pools component for EMC VNX.	Open
ZEN-28979	Production State portlet not showing custom state name.	Open

ZenPacks

This release of Resource Manager supports ZenPacks at the current version listed in the following table. For more information about ZenPacks, see the http://www.zenoss.com/product/zenpacks.

Table 3: Release 5.3.3

ZenPack	Current version	Previous version
ZenPacks.zenoss.AdvancedSearch	1.2.1	Same
ZenPacks.zenoss.AixMonitor	2.2.3	Same
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.AuditLog	1.4.1	Same
ZenPacks.zenoss.BigIpMonitor	2.7.1	Same
ZenPacks.zenoss.BrocadeMonitor	2.1.1	Same
ZenPacks.zenoss.CalculatedPerformance	2.4.1	Same
ZenPacks.zenoss.CatalogService	3.1.3	Same
ZenPacks.zenoss.CheckPointMonitor	2.0.2	Same
ZenPacks.zenoss.CiscoMonitor	5.8.0	Same
ZenPacks.zenoss.CiscoUCS	2.6.1	Same
ZenPacks.zenoss.ComponentGroups	1.4.0	Same
ZenPacks.zenoss.ControlCenter	1.5.2	Same
ZenPacks.zenoss.Dashboard	1.2.7	Same
ZenPacks.zenoss.Dell.PowerEdge	2.0.4	2.0.3
ZenPacks.zenoss.DellMonitor	2.2.0	Same
ZenPacks.zenoss.Diagram	1.3.1	Same
ZenPacks.zenoss.DigMonitor	1.1.0	Same
ZenPacks.zenoss.DistributedCollector	3.1.6	Same
ZenPacks.zenoss.DnsMonitor	2.1.0	Same
ZenPacks.zenoss.DynamicView	1.5.0	Same
ZenPacks.zenoss.EMC.base	1.2.1	Same
ZenPacks.zenoss.EnterpriseCollector	1.7.4	Same
ZenPacks.zenoss.EnterpriseReports	2.4.1	Same
ZenPacks.zenoss.EnterpriseSecurity	1.2.0	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.EnterpriseSkin	3.3.4	Same
ZenPacks.zenoss.FtpMonitor	1.1.0	Same
ZenPacks.zenoss.HP.Proliant	3.3.0	3.2.2
ZenPacks.zenoss.HPMonitor	2.1.0	Same
ZenPacks.zenoss.HpuxMonitor	2.0.2	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	3.3.1	Same
ZenPacks.zenoss.LDAPMonitor	1.4.1	Same
ZenPacks.zenoss.Licensing	0.2.0	Same
ZenPacks.zenoss.LinuxMonitor	2.2.6	Same
ZenPacks.zenoss.Microsoft.HyperV	1.4.0	Same
ZenPacks.zenoss.Microsoft.Windows	2.8.1	2.7.8
ZenPacks.zenoss.MySqlMonitor	3.0.9	Same
ZenPacks.zenoss.NetAppMonitor	3.6.0	3.5.0
ZenPacks.zenoss.NetScreenMonitor	2.2.3	Same
ZenPacks.zenoss.NortelMonitor	2.0.2	Same
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PredictiveThreshold	1.2.2	Same
ZenPacks.zenoss.PropertyMonitor	1.1.1	Same
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.SolarisMonitor	2.5.0	Same
ZenPacks.zenoss.StorageBase	1.4.3	Same
ZenPacks.zenoss.SupportBundle	1.1.2	Same
ZenPacks.zenoss.TomcatMonitor	2.3.0	Same
ZenPacks.zenoss.vCloud	1.4.9	Same
ZenPacks.zenoss.vSphere	3.6.3	Same
ZenPacks.zenoss.WBEM	1.0.3	Same
ZenPacks.zenoss.WebLogicMonitor	2.3.0	Same
ZenPacks.zenoss.WebsphereMonitor	1.2.2	Same
ZenPacks.zenoss.WSMAN	1.0.1	Same
ZenPacks.zenoss.ZenDeviceACL	2.2.0	Same
ZenPacks.zenoss.ZenJMX	3.12.1	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenMailTx	2.6.0	Same
ZenPacks.zenoss.ZenOperatorRole	2.1.0	Same
ZenPacks.zenoss.ZenPackLib	2.0.6	Same
ZenPacks.zenoss.ZenSQLTx	2.7.0	2.6.5
ZenPacks.zenoss.ZenWebTx	3.0.1	Same

Resource Manager 5.3.2

2

The sole purpose of this release is to provide the fixes described in *Fixed issues* on page 10.

All information Resource Manager 5.3.0 release notes apply to 5.3.2. For details, see the following sections:

- *New features* on page 15
- *Known issues* on page 18
- *Notes and workarounds* on page 20
- *Limitations, errata, and documentation* on page 22

Fixed issues

Table 4: Release 5.3.2

ID	Description
ZEN-21889	A stale component search catalog entry prevents the Device Overview page from loading properly.
ZEN-22906	Datastore sort by allocation is not consistent.
ZEN-28051	Device modeling fails when the device name contains parentheses.
ZEN-28105	Do not monitor interface if the Admin status is down.
ZEN-28145	Executing a manual remodel of a single device using the GUI never completes and never outputs any data after initially connecting to zenhub.
ZEN-28181	Event transforms break when setting the `evt.device` field to a non-Zenoss device.
ZEN-28183	ETL of performance data results in Central Query errors.
ZEN-28184	Displayed count is incorrect when paging and scrolling large event classes.
ZEN-28243	Zproxy `zope-static.conf` file not updated after ZenPack installation.
ZEN-28278	Monitoring button is disabled for Windows services component with a Disabled start mode.
ZEN-28286	The HTML Dashboard portlet does not honor refresh interval setting.
ZEN-28309	LDAP configuration passwords are in plain text.

ID	Description
ZEN-28316	Flare message when deleting a report organizer.
ZEN-28354	Display full class path of the device banner and make text selectable.
ZEN-28357	The API call `DeviceRouter.remodel` is too limited.
ZEN-28364	Improvements to Event Class Mapping form.
ZEN-28455	`SupportBundle` includes instance identifier in an output filename.
ZEN-28456	Unable to make changes to an LDAP configuration.
ZEN-28476	Inefficient wildcard search causes zope to hang.
ZEN-28504	Data collection interval is not consistent with the set reporting interval.
ZEN-28547	Multi-add device for Windows (WinRM) and Linux (SSH) should not require a password.
ZEN-28555	Some services won't start until `collectorredis` is started.
ZEN-28563	Attribute errors fixed in `zenhub.log`.

ZenPacks

This release of Resource Manager supports ZenPacks at the current version listed in the following table. For more information about ZenPacks, see the http://www.zenoss.com/product/zenpacks.

Table 5: Release 5.3.2

ZenPack	Current version	Previous version
ZenPacks.zenoss.AdvancedSearch	1.2.1	Same
ZenPacks.zenoss.AixMonitor	2.2.3	Same
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.AuditLog	1.4.1	Same
ZenPacks.zenoss.BigIpMonitor	2.7.1	Same
ZenPacks.zenoss.BrocadeMonitor	2.1.1	Same
ZenPacks.zenoss.CalculatedPerformance	2.4.1	Same
ZenPacks.zenoss.CatalogService	3.1.3	Same
ZenPacks.zenoss.CheckPointMonitor	2.0.2	Same
ZenPacks.zenoss.CiscoMonitor	5.8.0	Same
ZenPacks.zenoss.CiscoUCS	2.6.1	Same
ZenPacks.zenoss.ComponentGroups	1.4.0	Same
ZenPacks.zenoss.ControlCenter	1.5.2	Same
ZenPacks.zenoss.Dashboard	1.2.7	1.2.6
ZenPacks.zenoss.Dell.PowerEdge	2.0.3	Same
ZenPacks.zenoss.DellMonitor	2.2.0	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.Diagram	1.3.1	Same
ZenPacks.zenoss.DigMonitor	1.1.0	Same
ZenPacks.zenoss.DistributedCollector	3.1.6	3.1.5
ZenPacks.zenoss.DnsMonitor	2.1.0	Same
ZenPacks.zenoss.DynamicView	1.5.0	Same
ZenPacks.zenoss.EMC.base	1.2.1	Same
ZenPacks.zenoss.EnterpriseCollector	1.7.4	Same
ZenPacks.zenoss.EnterpriseReports	2.4.1	Same
ZenPacks.zenoss.EnterpriseSecurity	1.2.0	Same
ZenPacks.zenoss.EnterpriseSkin	3.3.4	Same
ZenPacks.zenoss.FtpMonitor	1.1.0	Same
ZenPacks.zenoss.HP.Proliant	3.2.2	Same
ZenPacks.zenoss.HPMonitor	2.1.0	Same
ZenPacks.zenoss.HpuxMonitor	2.0.2	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	3.3.1	3.3.0
ZenPacks.zenoss.LDAPMonitor	1.4.1	Same
ZenPacks.zenoss.Licensing	0.2.0	Same
ZenPacks.zenoss.LinuxMonitor	2.2.6	Same
ZenPacks.zenoss.Microsoft.HyperV	1.4.0	Same
ZenPacks.zenoss.Microsoft.Windows	2.7.8	Same
ZenPacks.zenoss.MySqlMonitor	3.0.9	Same
ZenPacks.zenoss.NetAppMonitor	3.5.0	Same
ZenPacks.zenoss.NetScreenMonitor	2.2.3	Same
ZenPacks.zenoss.NortelMonitor	2.0.2	Same
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PredictiveThreshold	1.2.2	Same
ZenPacks.zenoss.PropertyMonitor	1.1.1	Same
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.SolarisMonitor	2.5.0	Same
ZenPacks.zenoss.StorageBase	1.4.3	Same
ZenPacks.zenoss.SupportBundle	1.1.2	1.1.1

ZenPack	Current version	Previous version
ZenPacks.zenoss.TomcatMonitor	2.3.0	Same
ZenPacks.zenoss.vCloud	1.4.9	Same
ZenPacks.zenoss.vSphere	3.6.3	Same
ZenPacks.zenoss.WBEM	1.0.3	Same
ZenPacks.zenoss.WebLogicMonitor	2.3.0	Same
ZenPacks.zenoss.WebsphereMonitor	1.2.2	Same
ZenPacks.zenoss.WSMAN	1.0.1	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	2.0.6	Same
ZenPacks.zenoss.ZenSQLTx	2.6.5	Same
ZenPacks.zenoss.ZenWebTx	3.0.1	Same

Resource Manager 5.3.1

3

The sole purpose of this release is to provide the fix described in *Fixed issue* on page 14.

All information Resource Manager 5.3.0 release notes apply to 5.3.1. For details, see the following sections:

- *New features* on page 15
- *Fixed issues* on page 16
- *Known issues* on page 18
- *Notes and workarounds* on page 20
- *ZenPacks* on page 18
- *Limitations, errata, and documentation* on page 22

Note   If you are upgrading from Resource Manager 5.3.0, an additional procedure is required. For information, refer to the *Zenoss Resource Manager Upgrade Guide*.

Fixed issue

Table 6: Release 5.3.1

ID	Description
ZEN-28477	ZenPacks with MIB data throw traceback errors during installation or upgrade.
ZPS-1988	

Resource Manager 5.3.0

4

Beginning with this release, Zenoss has implemented a change to release artifacts. Appliance artifacts remain the preferred option for installations and upgrades. These artifacts are OVA for VMware installations, ISO images for vSphere and bare metal installations, and the ISO updater. If you choose not to use the appliance, a single set of artifacts with all components and prerequisites is available. Use the converged artifacts for all installations and upgrades, whether online with an internet connection, or offline without a connection. When upgrading your system, use the converged artifacts, regardless of whether the original installation was performed online or offline.

New Resource Manager artifacts are no longer available from Docker Hub, and a Docker Hub account is no longer required to access Resource Manager images. Use your LeapFILE account to download all artifacts.

For Resource Manager versions earlier than 5.3.0, artifacts will remain available from Docker Hub for as long as Zenoss maintains that release. Customers should carefully review the Install and Upgrade Guides for both Resource Manager and Control Center for details.

New features

This release of Resource Manager provides the following new features.

Audit logging enhancements

The Resource Manager audit log tracks user actions in log files in a format that is optimized for searching and reporting. Audit logs are stored in ElasticSearch and are viewable in the Kibana browser interface.

In this release, audit logs are also propagated to a flat file so that retention policies and export actions can be applied to them separately from Resource Manager operational logs. By default, the audit logs are stored at `/opt/zenoss/log/audit.log`. The retention rules of the `applicationaudit.log` file are governed by the `logrotate` configuration file. For more information, refer to the *Zenoss Resource Manager Administration Guide*.

Graph enhancements

To better accommodate graphs with many series (for example, component graphs with many components with "All On Same Graph" selected), the upper and lower graph legends are now consolidated into one active legend below the graph. Controls for making a particular series visible or not, formerly available in the upper legend, are now located in the legend below the graph.

Issues with pan, zoom, and shift functions in standalone graphs have been addressed.

Multi-Graph Report portlet

The Multi-Graph Report portlet displays an existing Multi-Graph Report that was created by using the **Reports** page. You can choose a specific graph group from the multi-graph report and select the time range for the portlet.

Dedicated Zopes

To maintain responsiveness of the browser interface, Resource Manager now provides dedicated Zope instances for the following purposes:

- Reporting - The service `zenreports` provides a Zope instance that is dedicated to long-running report generation.
- JSON API use - The service `zenapi` provides a Zope instance to support heavy use of the Resource Manager JSON API.
- Debugging - The service `zendebug` enables the Zenoss Support team to bring up a separate Zope instance for troubleshooting.

By default, `zenreports` and `zenapi` start when you launch Resource Manager, and you can disable these services. By default, `zendebug` is stopped, and you can enable the service when instructed to do so by Zenoss Support. Do not remove `zendebug` from the Resource Manager service definition because it is a supportability service.

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

Low storage event alerts

`ZenPacks.zenoss.ControlCenter` monitors the Control Center application management and orchestration system. Updates in version 1.2.1 of this ZenPack enable Resource Manager to alert you to low storage events in the tenant application file systems and the underlying thin pool data metadata devices before a severe outage occurs. Available with Control Center version 1.1.6 and later, the ZenPack provides

- Graceful degradation of monitoring capability.
- Storage usage reports for the thin pool data and metadata devices.
- Usage statistics in MiB/GiB units in both the browser interface and the command-line interface (`serviced volume status` command).
- For DFS volumes and thin pool data and metadata devices, events as follows:

  - At 80% full, generates a "space low" warning.
  - At 90% full, generates a "space very low" alarm.

Fixed issues

Table 7: Release 5.3.0

ID	Description
ZEN-5652	`audit.log` does not properly log removal of templates from device classes.
ZEN-18127	Missing `audit.log` messages if SMTP configuration is wrong.
ZEN-19495	Zope containers are failing when modeling from the UI.
ZEN-21035	`audit.log` file is difficult to search in version 5.x.

ID	Description
ZEN-21070	Graph is essentially blank when selecting the cache hit ratio for a set of DBs to display "All on the same Graph".
ZEN-23132	Unable to add Control Center VIP to the `/Control Center` device class.
ZEN-23490	The Zope `serviced` definition for `zenossdbpack` command does not get updated during upgrade.
ZEN-26387	The `stateChange` field in .csv export in epoch time is inconsistent with other fields.
ZEN-26414	The ControlCenter ZenPack reports incorrect values for services with multiple entries.
ZEN-26670	`zenossdbpack.log` gets logging from unrelated daemons.
ZEN-27118	The `PowerNet-MIB.mib` load is missing two traps by default.
ZEN-27228	The Group total for a group of devices is incorrect.
ZEN-27413	Ping status does not include supressed events.
ZEN-27458	`smidump` introduces zeroes into Zenoss MIBs.
ZEN-27605	Cisco UCS devices not batch loading correctly using `zenbatchload` command.
ZEN-27612	ZEN-26581 degrades, rather than enhances MIB management functionality.
ZEN-27727	Special characters in the **Infrastructure > Devices** view can cause `CatalogServiceException` flares.
ZEN-27735	vSphere devices are not filtered with `Down` status on the Infrastructure page. This column is not shown by default. Users can add this column and then will be able to use the filters
ZEN-27778	Invalid TALES expressions cause notifications to fail.
ZEN-27796	`audit.log` lacking detail for changes to mappings.
ZEN-27826	Malformed JSON in Events details leads to index/ETL errors.
ZEN-27834	Heartbeat timeouts are not configurable.
ZEN-27853	Negative values displayed on Modeled Devices graph (Advanced/ControlCenter/RemoteCollector/Graphs).
ZEN-27925	Email notifications are concatenating content onto a single line.
ZEN-27928	Event detail log timestamps do not respect user's time zone.
ZEN-27935	A warning should be issued when collection fails due to an IP address not being configured on a device.
ZEN-27940	Resource Manager site portal URL point to wrong page.
ZEN-28025	Google map portlet: Viewing parent location generates a site error.
ZEN-28055	`quiesce-rabbitmq.sh` script fails to pause service during backup.
ZEN-28058	Set default RAM value to 32 GB for PoC appliance.

Known issues

Table 8: Release 5.3.0

ID	Description	Status
ZEN-23606	When modeling Linux servers as a `root` user, you must not require the `root` user to use TTY. See the "Notes and workarounds" section below for detailed instructions.	Open
ZEN-27381	ZenPack dependencies not always installed in correct order during Resource Manager upgrade.	Open
ZEN-27499	`"ERR Failed to publish events caused by: EOF"` error messages caused by issues with filebeat and Logstash closing connections it thinks are idle. This is a benign error. The ZenPack install and upgrade completes just fine.	Open
ZEN-28227	Audit log information level is not configurable in a permanent way. Whenever a container is bounced, the configuration changes are lost unless the container is committed.	Open
ZPS-1988 ZEN-28477	Upgrade from 5.1.1, 5.1.2, 5.1.3, or 5.1.4 to 5.3.0 with the BigIP ZenPack causes a traceback. The workaround is to remove the BigIP ZenPack and move forward with the upgrade.	Fixed in 5.3.1

ZenPacks

This release of Resource Manager supports ZenPacks at the current version listed in the following table. For more information about ZenPacks, see the http://www.zenoss.com/product/zenpacks.

Table 9: Release 5.3.0

ZenPack	Current version	Previous version
ZenPacks.zenoss.AdvancedSearch	1.2.1	Same
ZenPacks.zenoss.AixMonitor	2.2.3	2.2.2
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.AuditLog	1.4.1	1.4.0
ZenPacks.zenoss.BigIpMonitor	2.7.1	Same
ZenPacks.zenoss.BrocadeMonitor	2.1.1	Same
ZenPacks.zenoss.CalculatedPerformance	2.4.1	Same
ZenPacks.zenoss.CatalogService	3.1.3	3.1.1
ZenPacks.zenoss.CheckPointMonitor	2.0.2	Same
ZenPacks.zenoss.CiscoMonitor	5.8.0	Same
ZenPacks.zenoss.CiscoUCS	2.6.1	Same
ZenPacks.zenoss.ComponentGroups	1.4.0	Same
ZenPacks.zenoss.ControlCenter	1.5.2	1.5.1
ZenPacks.zenoss.Dashboard	1.2.6	1.2.5

ZenPack	Current version	Previous version
ZenPacks.zenoss.DellMonitor	2.2.0	Same
ZenPacks.zenoss.DeviceSearch	1.2.2	Same
ZenPacks.zenoss.Diagram	1.3.1	Same
ZenPacks.zenoss.DigMonitor	1.1.0	Same
ZenPacks.zenoss.DistributedCollector	3.1.5	3.1.4
ZenPacks.zenoss.DnsMonitor	2.1.0	Same
ZenPacks.zenoss.DynamicView	1.5.0	Same
ZenPacks.zenoss.EnterpriseCollector	1.7.4	Same
ZenPacks.zenoss.EnterpriseReports	2.4.1	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	2.0.2	2.0.1
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	2.2.6	2.2.2
ZenPacks.zenoss.Microsoft.HyperV	1.4.0	Same
ZenPacks.zenoss.Microsoft.Windows	2.7.8	2.7.4
ZenPacks.zenoss.MySqlMonitor	3.0.7	Same
ZenPacks.zenoss.NetAppMonitor	3.5.0	3.3.2
ZenPacks.zenoss.NetScreenMonitor	2.2.2	Same
ZenPacks.zenoss.NortelMonitor	2.0.2	Same
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PredictiveThreshold	1.2.2	1.2.1
ZenPacks.zenoss.PropertyMonitor	1.1.0	Same
ZenPacks.zenoss.PythonCollector	1.9.0	1.8.2
ZenPacks.zenoss.SolarisMonitor	2.5.0	Same
ZenPacks.zenoss.StorageBase	1.4.1	Same
ZenPacks.zenoss.SupportBundle	1.1.1	1.1.0

ZenPack	Current version	Previous version
ZenPacks.zenoss.TomcatMonitor	2.3.0	Same
ZenPacks.zenoss.vCloud	1.4.9	Same
ZenPacks.zenoss.vSphere	3.6.3	3.6.2
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	2.0.6	2.0.5
ZenPacks.zenoss.ZenSQLTx	2.6.5	Same
ZenPacks.zenoss.ZenWebTx	3.0.1	3.0.0

Notes and workarounds

ZEN-27866: Loading MIBs change

Resource Manager prevents duplicate OID values in the database, regardless of the MIB module in which the OID exists. When loading a MIB, Resource Manager compares OID values with data from the source (`zenmib` input file, ZenPack `objects.xml` file, or browser interface), and takes the following action:

- If the OID exists in the same MIB module, it overwrites the OID with data from the source.
- If the OID exists in a different MIB module, it deletes the OID, and then creates the OID as defined in the source.
- If the OID does not exist, it creates the OID as defined in the source.

ZEN-23606: Using a root user to model Linux devices

The Linux Monitor ZenPack requires the ability to run the `pvs`, `vgs`, `lvs`, `systemctl`, `initctl`, and `service` commands remotely on your Linux server(s) using SSH. By default, these commands are only allowed to be run locally. To remotely run these command, the `root` user must not be required to use TTY.

Perform the following on your Linux server(s):

1 Install the `sudo` package on your server(s).
2 Allow `root` user to execute commands via SSH without a TTY.

   a Edit the `/etc/sudoers` file.
   b Find the line containing `root ALL=(ALL) ALL`.

c Add the following line underneath it:

```
Defaults:root !requiretty
```

d Save the changes and exit.

Limitations, errata, and documentation

<div style="text-align: right; font-size: 3em; font-weight: bold;">A</div>

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.