Zenoss Core Release Notes

Release 5.3.2

Zenoss, Inc.

www.zenoss.com

Zenoss Core Release Notes

Part Number: 1001.17.268

Zenoss, Inc.
11305 Four Points Drive
Bldg 1 - Suite 300
Austin, Texas 78726

About this document

Zenoss Core Release Notes contains important information about minor and micro releases of Zenoss Core.

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

This document provides information about the following releases of Zenoss Core:

Date	Release
25 September 2017	5.3.2
31 August 2017	5.3.1
17 August 2017	5.3.0

Supported operating environments

Zenoss Core, Control Center, and operating systems

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

Zenoss Core release	Control Center	
	release	Host OS
5.3.0, 5.3.1, 5.3.2	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)
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)

Supported clients and browsers

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

Client OS	Supported Browsers
Windows 7 and 8.1	Internet Explorer 11 (Enterprise mode only; compatibility mode is not supported.)

* Version 5.2.5 was withdrawn.

Client OS	Supported Browsers
	Internet Explorer 10*
Windows 10	Internet Explorer 11 (Enterprise mode only; compatibility mode is not supported.)
	Internet Explorer 10*
	Firefox 50 and later
	Chrome 54 and later
	Microsoft Edge
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

* Support for Internet Explorer 10 will be withdrawn beginning with the next major release of Zenoss Core.

Zenoss Core 5.3.2 1

The sole purpose of this release is to provide the fixes described in *Fixed issues* on page 5.

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

Fixed issues

Table 1: 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-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-28316	Flare message when deleting a report organizer.
ZEN-28354	Display full class path of the device banner and make text selectable.

ID	Description
ZEN-28357	The API call `DeviceRouter.remodel` is too limited.
ZEN-28364	Improvements to Event Class Mapping form.
ZEN-28456	Unable to make changes to an LDAP configuration.
ZEN-28476	Inefficient wildcard search causes zope to hang.
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 Zenoss Core 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 2: Release 5.3.2

ZenPack	Current version	Previous version
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.Dashboard	1.2.7	1.2.6
ZenPacks.zenoss.DeviceSearch	1.2.2	Same
ZenPacks.zenoss.HttpMonitor	2.1.0	Same
ZenPacks.zenoss.LinuxMonitor	2.2.6	Same
ZenPacks.zenoss.Microsoft.Windows	2.7.8	Same
ZenPacks.zenoss.MySqlMonitor	3.0.9	Same
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenPackLib	2.0.6	Same

Zenoss Core 5.3.1 2

The sole purpose of this release is to provide the fix described in *Fixed issue* on page 7.

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

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

Fixed issue

Table 3: Release 5.3.1

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

Zenoss Core 5.3.0 3

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 Zenoss Core artifacts are no longer available from Docker Hub, and a Docker Hub account is no longer required to access Zenoss Core images. Download all artifacts via the Zenoss rpm mirror in GitHub.

For Zenoss Core versions earlier than 5.3.0, artifacts will remain available from Docker Hub. Users should carefully review the Install and Upgrade Guides for both Zenoss Core and Control Center for details.

New features

This release of Zenoss Core provides the following new features.

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.

Fixed issues

Table 4: Release 5.3.0

ID	Description
ZEN-19495	Zope containers are failing when modeling from the UI.
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-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-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-27926	Unable to expand `localhost` in Control Center view from the UI.
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	Zenoss Core 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.

Known issues

Table 5: 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 Zenoss Core 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
ZPS-1988	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.	Open

ZenPacks

This release of Zenoss Core 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 6: Release 5.3.0

ZenPack	Current version	Previous version
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.Dashboard	1.2.6	1.2.5
ZenPacks.zenoss.DeviceSearch	1.2.2	Same
ZenPacks.zenoss.HttpMonitor	2.1.0	Same
ZenPacks.zenoss.LinuxMonitor	2.2.6	2.2.0
ZenPacks.zenoss.Microsoft.Windows	2.7.8	2.7.0
ZenPacks.zenoss.MySqlMonitor	3.0.9	3.0.7
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PythonCollector	1.10.1	1.9.0
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenPackLib	2.0.6	2.0.5

Notes and workarounds

ZEN-27866: Loading MIBs change

Zenoss Core prevents duplicate OID values in the database, regardless of the MIB module in which the OID exists. When loading a MIB, Zenoss Core 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 A

This section includes the following information:

- Known limitations of Zenoss Core
- 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 Zenoss Core distributions include PDF versions of the following documents:

- *Zenoss Core Planning Guide*
- *Zenoss Core Configuration Guide*
- *Zenoss Core 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.