Zenoss Core Release Notes

Release 6.1.1

Zenoss, Inc.

www.zenoss.com

Zenoss Core Release Notes

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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
27 February 2018	6.1.1
09 January 2018	6.1.0
18 December 2017	6.0.1
07 November 2017 (controlled availability)	6.0.0
25 September 2017	5.3.2
31 August 2017	5.3.1
17 August 2017	5.3.0

Tested operating environments

Zenoss Core, Control Center, and operating systems

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

Zenoss Core release	Control Center	
	Minimum release	Host OS
6.0.1, 6.1.0, 6.1.1**	1.5.0	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)
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 6.0.0 - controlled availability
* Version 5.2.5 - withdrawn

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.

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Considerations and workarounds

Load time for component graphs

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

- 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 Zenoss Core 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 Zenoss Core 6.0.1 or earlier.

New features

There are no new features in this release of Zenoss Core.

Fixed issues

Table 1: Release 6.1.1 fixed issues

ID	Description
ZEN-29244	When a predictive threshold was assigned to a graph, then the time range was changed, the graph did not update to the new time range.
ZEN-29337	ZenPack dependencies were not installed in the correct order during an upgrade.
ZEN-29412	OVA image installs had the --insecure-registry option improperly defined in /etc/sysconfig/docker.
ZEN-29434	During an upgrade, an invalid message was issued stating that a catalog rebuild was required.
ZEN-29435	OpenTSDB reader/writer maximum heap size was not set based on the memory commitment in the service definition.
ZEN-29448	During an upgrade, ZenPack installations took a long time.
ZEN-29458	During an upgrade, migration scripts ran more than once.
ZEN-29462	A refresh of the event tree caused the device details panel to close and the devices tree panel to be displayed.
ZEN-29463	Setting the color value in a data point definition for a multigraph chart does not alter the color of the lines.
ZEN-29464	Multigraph property `Has Summary` was removed from the browser interface.
ZEN-29465	Multigraph gear icon was removed from expanded view of the browser interface.
ZEN-29468	Multigraph property `Logarithmic Scale` was removed from the browser interface.
ZEN-29472	Multigraph property `Width` was removed from the browser interface.
ZEN-29473	Multigraph of size 100x500 was displayed at 500x500.
ZEN-29478	Multigraph sidebar position reset after a page refresh.
ZEN-29486	Multigraph graph property `Line Width` was removed from the browser interface.
ZEN-29487	Multigraph graph property `Limit` was removed from the browser interface.
ZEN-29488	Dragging-and-dropping devices into a multi-tiered organizational group caused the tree view to close after each addition.
ZEN-29489	Changing the width of the browser window changed the graph to an unreadable size.
ZEN-29494	During an upgrade, ZenPacks without prefix ZenPacks.zenoss were installed in the wrong order.
ZEN-29497	During an upgrade, if a traceback or race condition occurs at a certain time, the catalog service failed but the upgrade continued. If the AWS 4.0.0 ZenPack was installed, the upgrade failed.

Known issues

Table 2: Release 6.1.1

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 Zenoss Core 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	When adding a device that is already modeled, the job log shows a failure even though the device seemed to model correctly.	Open
ZEN-29120	Error flare messages appear intermittently on the **Advanced > Control Center** subtab.	Open
ZEN-29612	ZenPacks created manually with `zenpack --create` cause Distribution Not Found messages during a product upgrade.	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 Zenoss Core installs the following ZenPacks at the current version listed in the table.

Table 3: Release 6.1.1

ZenPack	Current version	Previous version
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.Dashboard	1.2.8	1.2.7
ZenPacks.zenoss.DeviceSearch	1.2.3	1.2.2
ZenPacks.zenoss.HttpMonitor	2.1.1	2.1.0
ZenPacks.zenoss.LinuxMonitor	2.2.7	2.2.6
ZenPacks.zenoss.Microsoft.Windows	2.8.3	2.8.1
ZenPacks.zenoss.MySqlMonitor	3.1.0	3.0.9
ZenPacks.zenoss.NtpMonitor	2.2.3	2.2.2

ZenPack	Current version	Previous version
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.WBEM	2.0.0	1.0.3
ZenPacks.zenoss.ZenJMX	3.12.1	Same
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenPackLib	2.0.9	2.0.7

Packaged ZenPacks

The following ZenPacks are packaged with Zenoss Core, but not automatically installed:

- ZenPacks.zenoss.DigMonitor
- ZenPacks.zenoss.DnsMonitor
- ZenPacks.zenoss.FtpMonitor
- ZenPacks.zenoss.LDAPMonitor

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Considerations and workarounds

Load time for component graphs

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

- Do not attempt to upgrade systems on which DEV ZenPacks have been installed; the upgrade will fail. This limitation will be addressed in an upcoming release of Zenoss Core. In the meantime, to upgrade, uninstall DEV ZenPacks, perform the upgrade, and then reinstall the DEV ZenPacks.
- (ZEN-28375) In earlier releases of Zenoss Core, counter/derive (rate) data points were saved using their raw counters. Beginning with this release, the calculated rate value is stored. 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 the upgrade.

New features

This release of Zenoss Core provides the following new features.

Events for blocked transforms

When a transform fails a specified number of times in a row, the transform is blocked and the system creates an event. The default number of failures is 10, which is set with the `zEventMaxTransformFails` configuration property. You can now disable event transform blocking globally or per event class by changing the property value to 0.

Component graph enhancements

In component graphs, you can now choose auto-refresh and specify a date range. The advanced user interface configuration field `Number of Graph Columns` now controls the number of graph columns shown on the device overview page. The default value is Auto, which means that the number of columns increases as the browser's width increases. Other values for the number of columns are 1, 2, and 3.

Global control of polling interval

A new configuration property, `zCommandCycleInterval`, controls the interval at which data is gathered for graphs for all command data sources. The default value is 300 seconds.

Fixed issues

Table 4: Release 6.1.0 fixed issues

ID	Description
ZEN-26444	Maintenance windows do not recover from a production state that is below 300.
ZEN-27179	Logged archive/index failures give no indication of how to resolve.
ZEN-27600	Ping data source not respecting cycle time
ZEN-27995	Limit RabbitMQ to one instance. Multiple instances cause service problems.
ZEN-28116	Component group maintenance windows do not work properly.
ZEN-28299	Blank data sources should be treated as invalid or a missed collection.
ZEN-28370	The connection is not re-established during a build tables operation and the operation fails.
ZEN-28597	ZenHUB logging messages contain passwords.
ZEN-28783	On multi-graph reports, setting type to Stacked Area results in no data available.
ZEN-28787	Graph with long legend is unusable.
ZEN-28793	Control Center health check events do not include the name of the failed health check.
ZEN-28797	Device Overridden Objects page displays zWinRMPassword values.
ZEN-28949	Files can be uploaded to dmd without authentication using a PUT HTTP call.
ZEN-28965	Control Center device and Thinpool Metadata Usage graph values do not match.
ZEN-28969	Creation of a custom variable should not required a value.
ZEN-28979	Production state portlet does not show the custom state name.
ZEN-29060	Metric publishing can print tracebacks.

Known issues

Table 5: Release 6.1.0

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 Zenoss Core 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	When adding a device that is already modeled, the job log shows a failure even though the device seemed to model correctly.	Open
ZEN-29120	Error flare messages appear intermittently on the **Advanced > Control Center** subtab.	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 Zenoss Core installs the following ZenPacks at the current version listed in the table.

Table 6: Release 6.1.0

ZenPack	Current version	Previous version
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.Dashboard	1.2.8	1.2.7
ZenPacks.zenoss.DeviceSearch	1.2.2	Same
ZenPacks.zenoss.HttpMonitor	2.1.1	2.1.0
ZenPacks.zenoss.LinuxMonitor	2.2.7	2.2.6
ZenPacks.zenoss.Microsoft.Windows	2.8.1	Same
ZenPacks.zenoss.MySqlMonitor	3.0.9	Same
ZenPacks.zenoss.NtpMonitor	2.2.3	2.2.2
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.WBEM	1.0.3	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.ZenJMX	3.12.1	Same
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenPackLib	2.0.7	Same

Packaged ZenPacks

The following ZenPacks are packaged with Zenoss Core, but not automatically installed:

- ZenPacks.zenoss.DigMonitor
- ZenPacks.zenoss.DnsMonitor
- ZenPacks.zenoss.FtpMonitor
- ZenPacks.zenoss.LDAPMonitor

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Considerations and workarounds

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.

New features

There are no new features in this release of Zenoss Core.

Fixed issues

Table 7: Release 6.0.1 fixed issues

ID	Description
ZEN-29052	Some needed migrate scripts do not run during a 5.3 to 6.0.0 upgrade.
ZEN-29056	Exception blocking some 5.x to 6.0.0 upgrades.
ZEN-29070	Under certain scenarios writing metrics can print tracebacks.

Known issues

Table 8: Release 6.0.1 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 Zenoss Core 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	When adding a device that is already modeled, the job log shows a failure even though the device seemed to model correctly.	Open
ZEN-28965	Control Center device and Thinpool Metadata Usage graph values do not match.	Open
ZEN-28969	Custom variables creation should not require a value.	Open
ZEN-28979	Production State portlet not showing custom state name.	Open
ZEN-29120	Error flare messages appear intermittently on the **Advanced** > **Control Center** subtab.	Open

ZenPacks

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

Installed ZenPacks

This release of Zenoss Core installs the following ZenPacks at the current version listed in the table.

Table 9: Release 6.0.1 installed ZenPacks

ZenPack	Current version	Previous version
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.Dashboard	1.2.7	Same
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	2.8.1	Same
ZenPacks.zenoss.MySqlMonitor	3.0.9	Same

ZenPack	Current version	Previous version
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.WBEM	1.0.3	Same
ZenPacks.zenoss.ZenJMX	3.12.1	Same
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenPackLib	2.0.7	Same

Packaged ZenPacks

The following ZenPacks are packaged with Zenoss Core, but not automatically installed:

- ZenPacks.zenoss.DigMonitor
- ZenPacks.zenoss.DnsMonitor
- ZenPacks.zenoss.FtpMonitor
- ZenPacks.zenoss.LDAPMonitor

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Considerations and workarounds

Maintenance windows now process devices in batches of 200

(ZEN-28886) The `zenactiond.conf` file now has a setting for batches to process devices for maintenance windows in groups of 200. Previously, batching was not enabled. To change the default batching, edit the following line in the `zenactiond.conf` file in Control Center:

```
maintenance-window-batch-size 200
```

All timestamps now use local time zone

(ZEN-28883) Previous releases used a mixture of timestamps throughout Zenoss Core (UTC and local time zone). For ease and consistency, all timestamps now use the local time zone.

Removing support for Internet Explorer 10

(ZEN-27386) Starting with Zenoss Core 6.0.0, Internet Explorer 10 is no longer a supported browser.

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.

Loading MIBs change

(ZEN-27107, ZEN-27323) Beginning with version 5.3.0, 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.

Upgrade considerations

- With the implementation of Solr indexing, during an upgrade, two migrations automatically run; the Solr index is built, and the production state migrates to Solr. This process might take several hours, depending on the size of your system.

New features

This release of Zenoss Core provides the following new features.

Solr model catalog

Currently several catalogs are used to perform efficient searches across the zodb object graph. Unfortunately, information in these catalogs is not stored efficiently and in some cases is duplicated. The new Model Catalog is a central catalog for model data that uses Apache Solr as an indexing backend and which will reduce zodb load and mitigate the duplication of indexed data. The following catalogs are being moved to Solr:

- global_catalog
- componentSearch
- ipSearch
- deviceSearch
- layer2_catalog
- layer3_catalog

The deprecated catalogs have been replaced by adapters that mimic the legacy catalogs' interfaces and use Model Catalog under the hood, so that current ZenPacks should function without any changes. However, there could be cases where ZenPacks use the legacy catalogs in a way the adapters do not support. In such cases, either the adapter or the ZenPack would need to be modified.

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 Core Administration Guide*.

Fixed issues

Table 10: Release 6.0.0 fixed issues

ID	Description
ZEN-486	When adding datapoints, the log message is not displaying the name.

ID	Description
ZEN-10840	Event mapping creation is not audited.
ZEN-20597	Standalone graph controls do not function properly.
ZEN-20986	HTML Email notifications have random spaces in the formatted output.
ZEN-21465	The **Stacked** check box on the **Graph Point Definition** screen has no effect on the graph.
ZEN-21657	Cannot add Manufacturer to ZenPack.
ZEN-23067	Timestamps are not saved on Event View links.
ZEN-23675	Control Center ZenPack should show Control Center version information.
ZEN-23874	`zenmodeler` collage setting not working.
ZEN-24221	Invalid time on performance data.
ZEN-24306	Error when evaluating min/max threshold.
ZEN-24700	Unable to access Role Manager.
ZEN-25946	Control Center does not warn when attempting to run multiple`zeneventserver`.
ZEN-26529	Event Details sections are expanded by default.
ZEN-26493	Notifications are not sent to manual email subscribers.
ZEN-26519	Thin pool metadata usage component graph is empty.
ZEN-26600	Large multi-graph reports cannot open in new tab due to long URLs.
ZEN-26668	Results are not shown on search page.
ZEN-26675	Appliances do not allow the root user to login.
ZEN-26742	ZenPack export and download results in error.
ZEN-26776	Central Query should send a more informative error message when encountering an error during RPN parsing.
ZEN-26850	`zenping` not resetting its missed runs on config refresh.
ZEN-26891	Special characters in **Infrastructure** > **Devices** view can cause flares.
ZEN-26925	Graph auto scaling does not accept small and non-integer values (1 and -1 are the minimum boundary).
ZEN-26926	Event class mapping navigation issues.
ZEN-26943	Event bookmarks should specify the columns as well as the filters.
ZEN-26944	`zenmodeler` logging `'Scan time'` of modeling immediately after modeling starts.
ZEN-26953	`audit.log` does not log changes to the **Infrastructure** > **Manufacturers** page.
ZEN-26981	Event View dashboard portlet does not retain specified columns and/or filters.
ZEN-26996	Modifications to `/etc/hosts` on appliances are overwritten upon reboot.
ZEN-27104	`IPv6ServiceMap` plugin models services that are localhost only.

ID	Description
ZEN-27174	Cannot create two Custom properties.
ZEN-27213	Metrics property of `zenmodeler` not consistent between fresh and upgraded systems.
ZEN-27299	HBase/Regionserver StartLevel values need adjustment.
ZEN-27510	Time format setting should be applied consistently.
ZEN-27542	Device config caching in redis does not work properly for multi-host collector pools.
ZEN-27565	Manual runs of collector daemons against a device fail to find configs.
ZEN-27736	Ping status does not included suppressed events.
ZEN-27743	Advanced Search cannot find devices in solr.
ZEN-27767	`stateChange` field in .csv export is in epoch time, which is inconsistent with other fields.
ZEN-27777	Invalid TALES expressions cause notifications to fail.
ZEN-27833	Unexpected data in output from `ping` user command.
ZEN-27883	Duplicate task exceptions cause `_updateDeviceConfigs` to silently fail.
ZEN-27924	Solr max heap size should be configurable.
ZEN-27990	`ThresholdNotifier` does not work in zenhub.
ZEN-28199	Control Center self monitoring uses wrong initial URL.
ZEN-28219	Flare message displayed when removing a hub.
ZEN-28274	Datastore sort by allocation is random.
ZEN-28478	OpenTSDB fails after upgrade from pre-5.1.1 systems.
ZEN-28540	Several fields incorrectly accept autofill.
ZEN-28629	Memory leak in daemons due to logging in twisted 15.2.0+.
ZEN-28636	Attribute error when open graph containing `ValueChanged` threshold type.
ZEN-28664	Zenhub can get in a state where some workers die and never get restarted.
ZEN-28693	`zenmail` fails to parse hostname from an email address.
ZEN-28709	Upgrade OpenSSL in our containers.

Known issues

Table 11: Release 6.0.0

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 Zenoss Core upgrade.	Open

ID	Description	Status
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	When adding a device that is already modeled, the job log shows a failure even though the device seemed to model correctly.	Open
ZEN-28969	Custom variables creation should not require a value.	Open
ZEN-28979	Production State portlet not showing custom state name.	Open

ZenPacks

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

Table 12: Release 6.0.0

ZenPack	Current version	Previous version
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.Dashboard	1.2.7	Same
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	2.8.1	New in 6.0.0
ZenPacks.zenoss.MySqlMonitor	3.0.9	Same
ZenPacks.zenoss.NtpMonitor	2.2.2	Same
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.WBEM	1.0.3	New in 6.0.0
ZenPacks.zenoss.ZenJMX	3.12.1	New in 6.0.0
ZenPacks.zenoss.ZenMail	5.1.0	Same
ZenPacks.zenoss.ZenPackLib	2.0.7	2.0.6

In addition, the following ZenPacks are packaged with Zenoss Core, but not automatically installed:

- ZenPacks.zenoss.DigMonitor
- ZenPacks.zenoss.DnsMonitor
- ZenPacks.zenoss.FtpMonitor
- ZenPacks.zenoss.LDAPMonitor

Errata and documentation A

This section includes the following information:

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

Additional information

The Zenoss Core distribution includes PDF versions of the following documents:

- *Zenoss Core Planning Guide*
- *Zenoss Core Configuration Guide*
- *Zenoss Core Administration Guide*

The Control Center release includes an HTML version of its documentation.

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.