Zenoss Community Edition (Core) Release Notes

Release 6.2.0

Zenoss, Inc.

www.zenoss.com

Zenoss Community Edition (Core) Release Notes

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About this document

Zenoss Community Edition (Core) Release Notes contains important information about minor and micro releases of Zenoss Community Edition (Core) (short name: 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
12 June 2018	6.2.0
22 March 2018	6.1.2
27 February 2018	6.1.1
09 January 2018	6.1.0

Tested operating environments

Zenoss Core, Control Center, and operating systems

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

Note Later operating system releases will be supported but may not have been tested.

Zenoss Core release	Control Center	
	Minimum release	Host OS
6.0.1, 6.1.0, 6.1.1, 6.1.2, 6.2.0[**]	1.5.0, 1.5.1	RHEL/CentOS 7.2, 7.3, or 7.4 (64-bit)
5.3.0, 5.3.1, 5.3.2, 5.3.3	1.3.0, 1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.4.0, 1.4.1	RHEL/CentOS 7.1, 7.2, or 7.3 (64-bit)
5.2.0, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.6[*]	1.2.0, 1.2.1, 1.2.2, 1.2.3, 1.3.0, 1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.4.0, 1.4.1	RHEL/CentOS 7.1, 7.2, or 7.3 (64-bit)
5.1.9, 5.1.10	1.1.9, 1.2.0	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.8	1.1.5, 1.1.6, 1.1.7. 1.1.8, 1.1.9	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.7	1.1.5, 1.1.6, 1.1.7, 1.1.8	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.6 (internal release only)	(none)	(none)
5.1.4, 5.1.5	1.1.5, 1.1.6, 1.1.7	RHEL/CentOS 7.1 or 7.2 (64-bit)
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[*] Version 5.2.5 - withdrawn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

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

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The product name is changed. The new name is Zenoss Community Edition (Core) and the short name is Zenoss Core.

Considerations and workarounds

Regular expression matching limitation

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

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

Load time for component graphs

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

NFS client 4.1 is not supported

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

CentralQuery maximum memory allocation pool

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

Upgrade considerations

- (ZEN-29807) Upgrading from Zenoss Core 5.x to 6.x includes a required step to reindex all cataloged objects into the new Solr index. To speed this process, before upgrading, you can increase the CPU core

count to use more workers. For more information, see knowledge base article *Reducing 5.X To 6.X Upgrade Times By Increasing Workers For Indexing*.

- 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

This release of Zenoss Core provides the following new features and enhancements.

Missed runs are actionable

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

Viewing devices and events

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

Configurable service restart thresholds

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

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

ZenPacks no longer rely on Nagios plugins

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

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

Fixed issues

Table 1: Release 6.2.0

ID	Description
ZEN-18523	When adding items to a multi-tier organizer with drag-and-drop, the organizer contracts after each addtion.
ZEN-23918	Test process class regular expression fails to load processes from a device on a collector that is not localhost.
ZEN-26549	RabbitMQ invalidation queues are not removed on shutdown in 5.x.
ZEN-27806	ZenPack installs and upgrades display a warning about RelStorage.
ZEN-27996	Scrolling in the Event Console jumps up during rapid scrolls down if there are a very large number of events.
ZEN-28615	**Update Report** button on **Licensing** tab does not update licensing details with silent failure.
ZEN-28698	Regular expression does not function in **INFRASTRUCTURE** filter fields.
ZEN-28772	In multigraph reports, graphs defined with a height of 100 pixels are resized to 500 pixels.
ZEN-28773	Graphs with 30 days or more of data load very slowly.
ZEN-28759	Default Admin dashboard is reset after upgrading.
ZEN-28901	Graphs with predictive thresholds do not update to a new time range.
ZEN-28946	Fix for ZEN-27555 caused an issue with `ifIndex` value parsing.
ZEN-29001	Users are logged out Zenoss Core unexpectedly.
ZEN-29016	In a trap with BASE64 encoded IP address in a `varbind`, the IP address is not decoded.
ZEN-29026	When adding a Server Linux (SNMP) via **Add Multiples Devices** page, the device type is displayed incorrectly.
ZEN-29027	Maintenance windows enable/disable toggle button is not working.
ZEN-29028	Bound monitoring templates are missing from device overview page; however, templates are bound to the device, and the data sources are polling for and collecting data points.
ZEN-29106	Health check fails for service `/Zenoss/User Interface/Zauth` for RabbitMQ not answering.
ZEN-29110	Attempting to save an empty value for properties of `int` type results in the following message: `ValueError: invalid literal for int() with base 10:`.
ZEN-29113	`ConnectionLost` tracebacks occur when running the `zenpython` command.
ZEN-29115	The `DeviceManagementRouter addMaintWindow()` method does not validate input and allows incorrect values to be specified for attributes.
ZEN-29127	Insufficient memory results in a traceback instead of a user-friendly message.

ID	Description
ZEN-29147	Users with no global role can view **Daemon Process Down**.
ZEN-29152	Control Center ZenPack ignores zControlCenterHost on some data sources.
ZEN-29178	Unable to change process class sequence.
ZEN-29184	Searching in the device filter field produces message `ModelCatalogError: Exception performing search`.
ZEN-29232	The gear icon doesn't work in the expanded view of a multigraph.
ZEN-29233	The position of the sidebar in a multigraph resets when the page is refreshed.
ZEN-29234	Cannot add percent sign to multigraph summary legend numbers.
ZEN-29235	Graphs are unreadable when the browser window is narrow.
ZEN-29237	The datapoint limit feature of multigraphs doesn't work.
ZEN-29238	The graph point line width feature of multigraphs doesn't work.
ZEN-29239	Multigraphs are not affected by the value of the graphpoint definition property **Display Full value in footer**.
ZEN-29240	The width property of multigraphs doesn't work.
ZEN-29241	The logarithmic scale property of multigraphs doesn't work.
ZEN-29243	The "Has Summary" option of multigraphs doesn't work.
ZEN-29252	Appliance upgrade fails during image import.
ZEN-29259	Control Center ZenPack does not show the instance number for services with multiple instances.
ZEN-29262	When creating a trigger with defined rules that is linked to a notification with defined rules, and adding a notification schedule, notifications are not activated for the associated notification and triggers.
ZEN-29274	Graphs do not correctly calculate averages.
ZEN-29284	SNMP data source test function fails.
ZEN-29288	Service `zenmapper` start-up health check fails.
ZEN-29289	The datapoint line color option in multigraphs doesn't work.
ZEN-29293 ZEN-28971	Missing **Projected High Disk** threshold for Storage Pools component for EMC VNX.
ZEN-29333	Upgrades fail because ZenPack dependencies are not properly sorted.
ZEN-29341	On the INFRASTRUCTURE > Devices page, the details pane does not remain in focus when the device tree is refreshed.
ZEN-29344	The `zenqdump` utility does not read username and password for RabbitMQ from global.conf.
ZEN-29357 ZEN-29704	The `--insecure-registry` flag is incomplete in appliance installs and upgrades.

ID	Description
ZEN-29385	Clicking the **Refresh Tree** context menu does not restore the devices tree to the same state.
ZEN-29404	Create health check for MetricConsumer OpenTsdbWriter Hbase error
ZEN-29457 ZEN-29576	A site error occurs after navigating to a device with a re-named manufacturer product.
ZEN-29404	No health checks for errors that OpenTSDB and HBase return.
ZEN-29484	Map links in Google Maps do not turn red when the link goes down.
ZEN-29492	ZenPack dependency processing only considers ZenPacks published by Zenoss.
ZEN-29574	Move, rename, and delete options on Manufacturers don't work.
ZEN-29575	The `zenhub` service restricts its queue length to 65,536 items.
ZEN-29589	SNMP collector creation fails when any event is present in `/Status/Snmp`.
ZEN-29614	Unable to add device to /Network/Router/Cisco or /Server/Microsoft.
ZEN-29638	Objects are loaded into ZODB prematurely during ZenPack installation or upgrade.
ZEN-29642	Unable to return indexes for a specific object.
ZEN-29673	Context menu does not display records on **INFRASTRUCTURE** > **Manufacturers** page.
ZEN-29684	An upgrade migration script might cause problems with the Catalog Service ZenPack.
ZEN-29687	The event processing service consumes too much memory.
ZEN-29746	Filtering the **INFRASTRUCTURE** page by device class shows incorrect devices after scrolling down a few pages.
ZEN-29750	The default DNSMonitor template uses `${dev/id}` instead of `${dev/manageIP}` for the DNS server field.
ZEN-29751	A DNS server connection refusal triggers a python error and no event is generated.
ZEN-29794	Page display errors occur in the Microsoft Edge browser.
ZEN-29824	When using the Linux Monitor ZenPack, the Next Hop link fails.

Known issues

Table 2: Release 6.2.0

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-29120	Error flare messages appear intermittently on the **Advanced > Control Center** subtab.	Open
ZEN-29376	Unable to use regex matching in tokenized fields. For more information, see *Considerations and workarounds.*	Open
ZEN-29612	ZenPacks created manually with `zenpack --create` cause Distribution Not Found messages during a product upgrade.	Fixed in 6.1.1

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 6.2.0

ZenPack	Current version	Previous version
ZenPacks.zenoss.ApacheMonitor	2.1.4	Same
ZenPacks.zenoss.Dashboard	1.2.8	1.2.7
ZenPacks.zenoss.DeviceSearch	1.2.3	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
ZenPacks.zenoss.PythonCollector	1.10.1	Same
ZenPacks.zenoss.WBEM	2.0.0	1.0.3
ZenPacks.zenoss.ZenJMX	3.12.1	Same

ZenPack	Current version	Previous version
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 *https://support.zenoss.com/hc/en-us/ articles/115005085763-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

- (ZEN-29807) Upgrading from Zenoss Core 5.x to 6.x includes a required step to reindex all cataloged objects into the new Solr index. To speed this process, before upgrading, you can increase the CPU core count to use more workers. For more information, see knowledge base article *Reducing 5.X To 6.X Upgrade Times By Increasing Workers For Indexing*.
- 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 4: Release 6.1.2 fixed issues

ID	Description
n/a	This release provided a fix for an issue that appeared only in the commercial product.

Known issues

Table 5: Release 6.1.2

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.	Fixed in 6.1.1

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 6.1.2

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
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

■ 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 7: 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.

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Known issues

Table 8: 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 9: 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 10: 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 11: 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 12: 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

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 Community Edition (Core) Planning Guide*
- *Zenoss Community Edition (Core) Configuration Guide*
- *Zenoss Community Edition (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.