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# Release Notes for Zenoss Core Version 3.2.1

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## 1. About These Notes

These release notes contain important information about this release of Zenoss, including:

- New features
- Where to download the software
- Supported software and environments
- Installation, upgrade, and implementation notes
- Known issues
- Defects and issues fixed in the release
- Reporting problems and providing feedback

### 1.1. What's New?

The 3.2.1 release of Zenoss Core includes fixes to high-priority defects, including:

- External Defect 7859 - RRD files are not updated if OID starts with . (period)
- External Defect 7860 - zencommand - data sources not collected

The 3.2.x version of Zenoss Core includes:

- Support for receipt of SNMPv3 traps
- User interface changed features and enhancements, including:
  - Unified event consoles. All consoles appear and behave similarly.
  - Improved component template editing.
  - IT Infrastructure page (device list) shows non-default columns (for example, Operating System, Hardware, and Serial Number)
  - Production state field can be filtered (remembers filter state)
  - Enhanced user interface colors
  - Networks page revised for performance improvements
  - Interface status: operational and administrative up/down status appears
  - Local IP addresses appear in the user interface
  - Collector, system, and group location on the device overview page can be edited directly from the overview page
  - Execute commands from the event console on selected devices
- zenhub updates
- zenprocess fixes: processes matched the same way that modeling matches
- zenwinperf enhancements
- zenbatchload fixes: locations, groups, and organizers can now be batch loaded
- Trees lookup performance improvements
- Chrome and Safari UI enhancements
- Collapse and expand entire hierarchy (such as device class tree)
- Automatic event deletion: improved flexibility (deletes in groups of events)

## 1.2. Downloading Zenoss Core

Zenoss Core is available from this location:

<http://www.zenoss.com/download>

## 1.3. Supported Software and Environments

You can install Zenoss Core on these platforms:

- Linux®
  - RedHat® Enterprise Linux 4, 5
  - CentOS 4, 5
  - Fedora™ Core 12, 13
  - Debian® 5
  - Ubuntu® Server 8.04, 10.04
  - openSUSE 10.3, 11.1
  - SUSE® Linux Enterprise Server 10, 11
- Mac OS® X v10.5 Leopard®, Mac OS® X v10.6 Snow Leopard®
- Windows® (requires VMware™ Player and the Zenoss Virtual Appliance)

For each system that will access Zenoss through a Web browser, you need:

- Firefox (verified with 3.6.x, 4, 5) or Internet Explorer (verified with 7, 8, 9)
- Adobe® Flash® Player

The following partial list of resources can be managed by Zenoss:

- Windows Server (2000, 2003, 2008), Windows XP, and Windows Vista®, Windows 7
- Linux or other UNIX® server
- Tomcat™ and other Java®/JMX servers
- Any SNMP- or SSH-enabled device

## 1.4. Installation, Upgrade and Implementation Notes

Read this section for important installation, upgrade, and implementation updates. For complete installation and update instructions, refer to the latest version of the *Zenoss Core Installation* guide.

### 1.4.1. Memory Requirements

For a small Zenoss installation (fewer than 250 devices), your system must have a minimum of 4GB available RAM. (Defect 6898)

### 1.4.2. Upgrade

- Refer to the following table to determine the upgrade path you must follow when upgrading to a newer version of Zenoss.

#### **Note**

Zenoss strongly recommends that you upgrade to the latest release to receive the latest features and defect fixes.

If your current version is:	You can upgrade directly to this version:
2.3.x	2.4.5
2.4.x	2.5.2
2.5.x	3.0.3*
3.0.x	3.1.0
3.1.x	3.2.1
3.2.0	3.2.1

- Zenoss does not test or evaluate community, customer-developed, and custom ZenPacks for upgrades.

If you are using one or more ZenPacks that are not installed through the standard Zenoss installation process, you should contact the ZenPack author about its compatibility with your upgrade version. Zenoss further recommends you test the ZenPack for upgrade compatibility in a test environment.

### 1.4.3. Search

Global Device Search is available as a Core ZenPack. You can download this ZenPack from:

<http://community.zenoss.org/docs/DOC-7453>

### 1.4.4. ZenPacks

The Remedy ZenPack is not supported at Zenoss Core Version 3.2.

## 1.5. Known Issues

The following issues are known for this version of Zenoss Core.

- A new attribute, `monitoredStartModes`, has been added to `WinServices` so that only Windows services that are expected to be running are actually reported as "down." Optional services that are Disabled or Manual startup are, by default, not reported as down. (Internal Defect 2248)
- Starting up the BitRock stack may produce `ClientDisconnected` errors in log files. These do not indicate a problem and should be ignored. (Defect 5508)
- If your installation's `$ZENHOME` contains a dot (`.`), then Zenoss does not function correctly. (Defect 5838)
- Zenoss displays a status of "unknown" for Windows services that are disabled or not monitored. (Defect 7028)

## 1.6. Documentation Changes and Additions

In *Zenoss Administration*, in the appendix titled "SNMP Device Preparation" in section B2. SNMP V3 Support, the following note is not correct:

### Note

SNMPv3 Traps are not supported.

In *Zenoss Installation*, all references to requirement for Sun JRE 1.5 are changed to Sun JRE 1.6.

## 1.7. Reporting Problems and Providing Feedback

Use the Zenoss forums (<http://community.zenoss.org/community/forums>) and Trac (<http://dev.zenoss.org/trac>) to submit issues and provide feedback.

### **1.7.1. Product Documentation Feedback**

Zenoss welcomes your comments and suggestions to help us improve our product documentation. Please send your comments to:

docs@zenoss.com

### **1.8. Defects Fixed in this Release**

See the document titled "Zenoss 3.2.1 Resolved Defects" (appended to these release notes) for the list of defects resolved in this release.

## Resolved Defects for Zenoss Version 3.2.1

Ticket	Summary
2383	Enhancement request to support SNMPv3 traps
2580	We do not include robots.txt to disallow indexing
2625	No longer have visual indicator for interface Operational Status
2626	Interfaces that are Administratively down show a status of 'Unknown' in the interface list
2725	Restricted users can't see their assigned groups
2967	Add Filter to Organizer Graph Reports
3085	VMware HostVolumePartition has an incorrect relationship
3115	wmi connection reset every polling interval (creates problem with Windows 2008 R2)
3146	'Required event field summary not found' for Cisco UCS
3160	Pushing updates to a distributed collector stops zenetl, zenjobs, and zenactions
3261	override template leave original template bound
3272	Modeler plugins page does not display correctly in IE8
3290	Event console sizing
3314	Refreshing Device List gives javascript errors
3337	ItInfrastructure Device Tree Async and batch load events
3346	Reset Tree filter when cleared
7859	Zenoss 3.2 RRD's not being updated if OID starts with a period
7860	zencommand - datasources not collected (except for first one)
7862	Upgrade from 3.1 to 3.2 breaks due to Catalog problems
7865	Initial filters in Event Console for Status and Severity not correct
7868	Graphs don't auto refresh
7869	Can't modify details of a user-added interface
26189	"saint pol de leon france" breaks Google Map
26401	Zenbackup issue with remote mysql databases
26626	zenhub too slow processing invalidations
26836	Interface Utilization Report broken
27044	"Model Time" gets updated even if modeling is unsuccessful
27114	"Production State" filter reverts to only showing Production devices
27201	Add Data point to Graph can confuse the user if there are similar datapoints
27230	Problem viewing event details on traps sent by McAfee IDS
27311	interfaces with multiple ips do not show all ips in new ui
27358	IE loads image for ExtJS-Menus from external server
27400	New Operating System entry never appears in the Device's "OS Product" selection list
27497	Event Management doesn't work under user custom event views
27521	JS error on backcompat pages without breadcrumbs
27541	zooming into graphs broken
27591	Contextual event consoles render closed events, acting on those generate errors

<b>27603</b>	For OS Processes, Monitoring option is always greyed out
<b>27746</b>	Groups won't auto-complete in Watch List dashboard portlet configuration
<b>27748</b>	zencommand process monitoring - TypeError: %c requires int or char
<b>27751</b>	Zenoss 3 Device Production State Combo-box Bug
<b>27752</b>	Networks Page is unwieldy
<b>27772</b>	Changing Groups, Systems, Locations, and Device Class on Device Details page
<b>27775</b>	Field name/value colors are sometimes hard to read
<b>27793</b>	zenbackup doesn't backup symlinked perf directory
<b>27800</b>	"Empty or invalid id specified" related to PhysicalEntityMap
<b>27801</b>	ExpansionCard components look bad in 3.0 UI
<b>27802</b>	Event Console Unification
<b>27813</b>	Global Livesearch configuration
<b>27820</b>	All live grids should have a total count
<b>27865</b>	Color must be specified on AREA, LINE, HRULE, VRULE and TICK custom graph points
<b>27880</b>	Datapoint on threshold show (missing) after updating threshold
<b>27884</b>	vSphere: "CPU Wait" metric can't be collected
<b>27890</b>	Local Ip Addresses
<b>27902</b>	Filtering a live grid does not reset the view index
<b>27904</b>	Add columns to the Device List page
<b>27908</b>	Drop down menu for commands don't work on Chrome and Safari
<b>27914</b>	Unable to page past 40 alerting rules
<b>27916</b>	delete unattached ip address action not available on networks page
<b>27919</b>	Add Actions and Command buttons to Event Consoles. Take action on highlighted devices.
<b>27923</b>	process with parenthesis in it fails monitoring via zencommand
<b>27924</b>	add multiple device wizard broken due to devtypes issue
<b>27926</b>	Collapse and Expand All to the trees
<b>27988</b>	Collector framework daemons die when more than 1000 devices per collector
<b>28000</b>	Referenced Java Version Wrong
<b>28019</b>	Make Config Properties not use an iframe
<b>28032</b>	Make Graphs an Ext Component
<b>28041</b>	Graphs don't zoom when remotely rendered through zenhub
<b>28068</b>	No stars (*****) in password fields of the configuration properties page, fields look empty
<b>28097</b>	vCloud Link from vApp Organization Panel is broken
<b>28098</b>	vCloud Incorrect link from Details view
<b>28137</b>	IP Services rename and create new name does not work
<b>28190</b>	Please port the latest zenbatchload changes back into 3.1.x
<b>28203</b>	Create Event box remains *partially* open (see screenshot) after adding an event using IE8
<b>28208</b>	Device Class filter is not working on device list
<b>28224</b>	No confirmation when deleting reports
<b>28228</b>	zenprocess doesn't match processes correctly
<b>28280</b>	Moving multi-graph report to a custom organizer blanks left nav and body
<b>28303</b>	IPs incorrectly associated with devices and interfaces on Networks page

<b>28364</b>	Workflow for editing a component template
<b>28373</b>	Traceback when adding a VMware Infrastructure (Intermittent)
<b>28382</b>	Backport ZenVMware Updates to 3.1.x Branch
<b>28387</b>	Upgrade on test-customer encounters error on zenmigrate, aborts
<b>28389</b>	zenprocess - Too many open files
<b>28400</b>	zenwinperf needs to stop recording sample values
<b>28421</b>	Allow ZenDeleteHistory to accept an epoch time or "numDays"
<b>28425</b>	Credentials displayed as part of error messages adding VMWare Infrastructure
<b>28434</b>	MySQL Deadlock in sendEvent
<b>28448</b>	Backport CiscoUCS Updates to 3.1.x Branch
<b>28451</b>	ZenVMwareEvents and ZenVMwarePerf stop working after a lot of errors
<b>28464</b>	zenmailtx time out scanning messages for gmail
<b>28475</b>	BigIpMonitor UI Enhancements
<b>28515</b>	Device Organizers do not link correctly for non alpha characters
<b>28525</b>	Add monkeypatching for 3.1.1
<b>28527</b>	Cannot change 'Fail Severity' and 'Alert On Restart' values at device level for processes/services
<b>28552</b>	accidentally deleted notifiable classes check in collector framework
<b>28556</b>	zenmib fails to load large MIBs
<b>28585</b>	[3.1] Broken catalogs on new installs
<b>28605</b>	PIP when clicking on Device Link from All or New Devices on Devices Report
<b>28684</b>	ZenHub hosed by software modeling
<b>28689</b>	removing networks organizer can cause modelling to fail
<b>28709</b>	Initial error message on setting Diagram background image
<b>28720</b>	Zope security patches needed for 3.1.x
<b>28723</b>	Searching for an IP address doesn't bring up a device.
<b>28735</b>	upgrade: Warning on upgrading the AdvancedSearch ZenPack
<b>28742</b>	Error running command RemodelOnMigration after a fresh installation
<b>28744</b>	Server Exeption error when trying to display Virtual CPUs of a host (3.2.0 only)
<b>28762</b>	Administration Guide: SNMP Device Prep, SNMPv3 Traps Support Statement Incorrect
<b>28781</b>	Uncaught ConflictError in a hub worker causes it never to finish
<b>28784</b>	Not working unacknowledge button on device level event *history*
<b>28787</b>	Remove or update the "On the Horizon: Zenoss Datacenter Insight"
<b>28791</b>	Interface utilization report has incorrect units
<b>28792</b>	Another Zope security patch! XSS thing (3.2 version)
<b>28794</b>	ZenVMware zenpack version needs updating for 3.2
<b>28795</b>	CiscoUCS zenpack version needs updating for 3.2.0
<b>28807</b>	LDAPMonitor ZenPack error when changing bind type
<b>28820</b>	Build 1235 3.2 Traceback during installation
<b>28821</b>	WMI modeler does not parse socket number from socket string
<b>28848</b>	BIG-IP Graph Custom Definiton
<b>28861</b>	Error during Distributed Collector ZenPack install - Zoectl daemon
<b>28863</b>	live search needs delay AND enter forces serach



<b>28870</b>	wmware Events are not being displayed
<b>28877</b>	upgrade: 4.0.2 migration failure from 3.1 if PreUpgrade Zenpack is not removed
<b>28878</b>	selection unchanged by filtering
<b>28879</b>	Error in 3.x event test layer tearDown: existing MySQL transaction when truncating tables
<b>28882</b>	Unit test failures on build 1250 (3.2.0)