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# Release Notes for Zenoss

## Service Dynamics Version 4.2.2

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## 1. What's New?

This version of Service Dynamics offers these new features and improvements:

- Improved UI and object search performance through the re-factored global catalog index. The new catalog is backed by the Apache Lucene index.
- ZenTune "tuning advisor," which analyzes your system configuration and makes recommendations for improved performance. This feature is implemented through the ZenPacks.zenoss.AutoTune ZenPack. For information about this feature, refer to the chapter titled "ZenTune" in *Resource Manager Extended Monitoring*.
- Redesigned Job Manager, which allows you to better monitor the status of jobs through the user interface. The new jobs framework allows synchronous execution of long-running jobs and significantly improved UI performance.
- Ability to move a device's associated performance data when you move the device from one distributed collector to another.
- Windows (ZenWinPerf) collector enhanced scalability through multi-worker support. For more information about this feature, refer to the chapter titled "Windows Performance" in *Resource Manager Extended Monitoring*.
- Ext JS® 4.1 UI framework upgrade, which enhances user experience through uniform grid controls, browser performance, and browser support.
- A heartbeat monitor, enabled by the `zengomd` daemon. For more information about this feature, see the section titled "Heartbeat Monitor" in the Implementation Notes area of this document.
- Extended platform support, including CentOS 6 and RHEL 6.

## 2. Versions, Supported Software and Environments

Service Dynamics Version 4.2.2 includes these product component versions:

Component	Version
Analytics and Optimization	4.2.2
Global Operations Management	1.2.0
Impact and Event Management	4.2.2
Resource Management	4.2.2

You can install this version of Service Dynamics on these Linux® platforms:

- RedHat® Enterprise Linux 5 and 6
- CentOS 5 and 6 (verified with CentOS 5.8, CentOS 6.3)

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

- Adobe® Flash® Player 11 or later version

- One of these browser versions:
  - Internet Explorer (Version 7 or later)
  - Firefox
  - Chrome

The following partial list of resources can be managed by Resource Manager:

- Cisco Unified Computing System™
- VMware ESX® Infrastructure, VMware vSphere™, VMware vCloud™
- NetApp®
- Windows Server (2000, 2003, 2008), Windows XP, and Windows Vista®, Windows 7
- Linux or other UNIX® server
- OpenStack
- Tomcat™ and other Java®/JMX servers
- Any SNMP- or SSH-enabled device

### 3. Downloading Service Dynamics

Service Dynamics is available from the Zenoss Support Portal:

<https://support.zenoss.com>

Contact your Zenoss representative for more information.

## 4. Resource Management

Read the following sections for the latest installation and implementation information. Zenoss strongly recommends that you refer to the latest version of the installation guide before beginning installation.

### 4.1. Installation and Upgrade Notes

- Service Dynamics is not supported on 32-bit platforms. If you are upgrading from a 32-bit platform version, please contact Zenoss Support for assistance with your upgrade.
- If you are using one or more ZenPacks that are not installed through the standard Resource Manager installation process, you should contact the ZenPack author about its compatibility with this release. Do not upgrade until you ensure compatibility of all custom ZenPacks. Zenoss further recommends you test the ZenPack for upgrade compatibility in a test environment.
- Nagios plugins are no longer included in Resource Manager, which now relies on the distribution-provided packages for these plugins. As a result, you must install Nagios plugins with other required software. See *Resource Manager Installation* for specific procedures.
- During installation of the RPM or its dependencies, you may see a message similar to:

```
Warning: RPMDB altered outside of yum.
```

The warning is caused by interference between the YUM and RPM binaries as they access the local package database. This warning is benign and can be ignored. (Internal ZEN-3425)

### 4.2. Implementation Notes

#### 4.2.1. Zenoss DataStore

- Command-line access to the Zenoss DataStore is available only to the zenoss user; Zenoss DataStore tools are located only in the zenoss user's \$PATH.

Run all Zenoss DataStore commands as the zenoss user, as in:

```
su - zenoss
zends -u root
```

#### 4.2.2. IPv6

- Resource Manager can model and monitor IPv6-addressed devices by using SNMP, Telnet or SSH. Ping monitoring is also supported for IPv6. Resource Manager installation (and communications links among Resource Manager components) must continue to be over IPv4. This includes all links between local or distributed ZenHubs and collectors, and Resource Manager dependencies (such as RabbitMQ).

When adding a new device to Resource Manager, the DNS resolution of the device name dictates whether Resource Manager attempts to connect by using IPv4 or IPv6. If you enter an IP address directly (either as a device name or by manually changing a device's management IP), then Resource Manager can be forced to use IPv4 or IPv6 manually.

If you want to monitor devices in your infrastructure that have IPv6 addresses, make sure you have installed and configured an IPv6 interface on your Resource Manager server.

- A new setting in the `/opt/zenoss/etc/global.conf` file allows you set a preference of DNS resolution order (IPv4 or IPv6) for managed IPs. Set the value of the `preferredipversion` option to `ipv4` or `ipv6`. (Internal ZEN-602)

#### 4.2.3. Reports

The process for determining device state has changed for the Availability report. Previously, if an event was reported that indicated a device down condition before the start of the report window, this event would not be seen, and the device would be considered 100% available. The Availability report now looks for all open events reported before or during the reporting window, and computes availability by using the device state based on prior open events.

#### 4.2.4. Host Name Changes

If you change the host name of your Resource Manager server, then you must clear and rebuild queues before the `zenhub` and `zenjobs` daemons will restart.

To work around this issue, you can issue the following commands (although any data queued at restart time will be lost):

```
export VHOST="/zenoss"
export USER="zenoss"
export PASS="zenoss"
rabbitmqctl stop_app
rabbitmqctl reset
rabbitmqctl start_app
rabbitmqctl add_vhost "$VHOST"
rabbitmqctl add_user "$USER" "$PASS"
rabbitmqctl set_permissions -p "$VHOST" "$USER" '.*' '.*' '.*'
```

#### 4.2.5. ZenPacks

- The 1.4.0 version of the CiscoUCS ZenPack in Resource Manager changes the event class structure for events that originate from a UCS Manager. The previous event classes `/CiscoUCS/Events` and `/CiscoUCS/Faults` are no longer present. Events that come in will be in the `/Unknown` class unless they are mapped to the `/Status/Blade` or `/Status/Chassis` class. If you have created custom mappings or transforms for the `/CiscoUCS/Events` or `/CiscoUCS/Faults` event classes, they will be lost.
- The Nexus7k ZenPack is no longer supported. Its functionality is replaced by the CiscoMonitor ZenPack.
- The `esxtop` monitoring functionality in `ZenPacks.zenoss.ZenVMware` has been moved to a separate ZenPack (`ZenPacks.zenoss.ZenVMwareEsxTop`), which must be downloaded and installed separately from Resource Manager. (Internal ZEN-2481)

The ZenVMware ZenPack that shipped with Resource Manager 4.1 had two monitoring templates in the /Devices/VMware device class: VMWareHost\_esxtop and VMWareGuest\_esxtop. After upgrading to 4.2.2, these templates will remain unchanged, but esxtop monitoring will not be enabled until the new ZenPack is installed. There are two functionality changes with the new ZenPack:

- When a new VMware infrastructure endpoint is added to be monitored, the VMWareHost\_esxtop template must be bound to the endpoint's Hosts sub-device class for esxtop monitoring of the ESX hosts to occur.
- By default, the data sources of the esxtop templates were disabled. The data sources on the new templates are enabled by default.
- The TrapForwarder ZenPack is deprecated in this release. SNMP traps are now handled as part of notifications. For more information, see the chapter titled "Using Resource Manager" in *Resource Manager Administration*.

#### 4.2.6. Dumping and Loading Devices

The `zendevicedump` and `zendeviceload` commands are not supported in this version of Resource Manager. Use `zenbatchdump` and `zenbatchload` instead. For more information, see the section titled "Dumping and Loading Devices" in *Resource Manager Administration*.

#### 4.2.7. zenjobs Permissions

On CentOS systems, default permissions for `/dev/shm` are set to 1777. For `zenjobs` to perform correctly, you must set permissions on `/dev/shm` to 0755. (ZEN-3504)

### 4.3. Known Issues

The following issues are known for this version of Resource Manager.

#### 4.3.1. Collector Host Name

When deploying a remote collector, if you encounter this error:

```
2012-03-17 19:40:57 ERROR zen.DistributedCollector Removing the new collector
2012-03-17 19:40:57 ERROR zen.DistributedCollector must be string or read-only buffer, \
not none
```

then you must edit the host name of the hub to something other than localhost (such as the IP address or host name of the hub).

#### 4.3.2. zodb\_session Table

An exception may occur with the `zodb_session` table that prevents access to Zope. (Internal ZEN-1988)

If this exception occurs, follow these steps:

1. Drop and then re-create the `zodb_session` table, substituting your host name as needed for `'zenoss'@localhost` in the following commands:

```
DROP DATABASE IF EXISTS zodb_session;
CREATE DATABASE zodb_session;
GRANT ALL ON zodb_session.* TO 'zenoss'@'localhost' IDENTIFIED BY 'zenoss';
FLUSH PRIVILEGES;
```

2. Restart the `zenwebserver` daemon.

#### 4.3.3. Active Directory

When monitoring Windows 2008 SP1 servers using the ActiveDirectory ZenPack, some performance counters expected by the ZenPack will not be available, and will generate error messages and cause missing perfor-

mance counters. See the section "Changes to performance counters" at [http://technet.microsoft.com/en-us/library/cc754463\(WS.10\).aspx](http://technet.microsoft.com/en-us/library/cc754463(WS.10).aspx) for more details about changes in Windows 2008. (Defect 28640)

#### **4.3.4. Site Window Portlet**

Some Web sites may not be compatible with the Site Window (Welcome) portlet that appears on the Dashboard. Before customizing this portlet to point to another Web site, make sure that site is not running a JavaScript "frame breaker" script. (Defect 27151)

#### **4.3.5. Internet Explorer**

When using Internet Explorer 9, Resource Manager user interface page elements may not load and display correctly. To work around this issue, go to the Internet Options **Advanced** tab (from Settings > Internet Options), and then reset Internet Explorer settings.

#### **4.3.6. Windows Services**

Resource Manager displays a status of "unknown" for Windows services that are disabled or not monitored. (Defect 27028)

#### **4.3.7. Zenoss Global Dashboard**

Zenoss Global Dashboard is not supported in this release. If you are running Zenoss Global Dashboard, you must contact Support before upgrading.

#### **4.3.8. Collector Performance Graphs**

Collector default performance graphs for cycle times show NaN values for zenping, zenperfsnmp, and zenstatus daemons. (Internal Defect 29378)

## **5. Impact and Event Management**

Availability and performance states are impacted only by an event's parent class. If an event has a subclass of the class defined in a logical node, then no impact is shown. (Internal ZEN-3680)

## **6. Global Operations Management**

This section lists updates and fixes for Version 1.2.0 of Service Dynamics Global Operations Management.

### **6.1. New Features**

In this version, the HTTP client used to propagate actions to local and remote Resource Manager instances has been rewritten for performance and reliability (using asynchronous I/O instead of threading).

### **6.2. Defect Fixes**

Fixes in this version of Global Operations Management are:

- Properly timeout HTTP connections to local / remote Zenoss instances. Previously, zengomd could fail to shutdown if a thread was blocked waiting for a response from a HTTP request.
- Removed an unnecessary logged exception in event.log when a target queue didn't exist on a GOM source system.
- Fix GOM criteria filter to properly support filtering events based on the event count.
- Fix GOM criteria filter to properly handle 'contains' criteria on device organizers (Groups/Systems).
- Do not fail if a note cannot be propagated to an event on a source or target system if the event no longer exists.

- Fix error when 'Update Model' preference is enabled for a source and an event class doesn't exist on the target system.
- Avoid unnecessary object creation if 'Update Model' preference is enabled.
- Work around ConflictError when creating model elements when the 'Update Model' preference is enabled.
- Optimize the query used to search for existing devices when creating model elements.
- Set the title of created devices to the title from the forwarded event if 'Update Model' is enabled.
- Properly tag forwarded events with the UUID of the device when the 'Update Model' preference is enabled. This enables viewing events for the device / device class in the event console for the device / device class.
- Fix errors performing 'Update Model' operations after the hub has been restarted.

## 7. Issues Fixed in This Release

For a list of issues resolved in this release, see "Zenoss Service Dynamics Version 4.2.2 Fixed Issues" appended to these notes.

## 8. Reporting Problems and Providing Feedback

To contact Zenoss Customer Support, go to the support portal at:

<https://support.zenoss.com>

### 8.1. Product Documentation Feedback

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

[docs@zenoss.com](mailto:docs@zenoss.com)

## Zenoss Service Dynamics Version 4.2.2 Fixed Issues

Key	Summary
ZEN-354	Running Enterprise Interface Utilization on large deployments causes ZenRender to crash
ZEN-359	[maintenance] Traceback while modeling a snmp v3 device with wrong credentials
ZEN-365	[maintenance] pynetsnmp.twistedsnmp logging too verbose, a little confusing
ZEN-396	[maintenance] Snmp v3 agent down errors are not making it into the event console
ZEN-1507	Daemon event queues grow without bound when disconnected with zenhub
ZEN-2810	[maintenance] localhost does not model correctly in VMware Appliance
ZEN-2824	Analytics - ZenETL fails due to change in ZenPropertyManager
ZEN-2889	Distributed Collector does not allow logical collectors on a host to run a mixed set of daemons
ZEN-2924	CLONE - Multiple flare messages on back compat pages are obscured
ZEN-2946	[maintenance] vCloud VM details don't display
ZEN-2958	CLONE - Collector column is not being refreshed
ZEN-2967	[DOC] Multiple logical collectors on a single host leads to zenoss status always returning failure status
ZEN-2976	[maintenance] ImpactView SWF Leaks Memory
ZEN-3072	[maintenance] ZenDS upgrade with a modified zends.cnf fails to start
ZEN-3115	[maintenance] AdvancedSearch doesn't return results for asset tags or for serial numbers
ZEN-3120	[maintenance] Updating certain user settings Invalidates User Cache for LDAP plugin
ZEN-3121	[maintenance] Event storm of raw events can lead to system crash by consuming all disk space with rabbitmq messages
ZEN-3123	[maintenance] Traceback event on clean install
ZEN-3150	[maintenance] Installation instructions should not recommend MySQL Community RPMs
ZEN-3189	[maintenance] Impact error when opening process policy gates
ZEN-3207	[maintenance] zeneventserver table optimization occurs too frequently
ZEN-3222	[maintenance] VMware metrics may be inaccurate for as much as 30 minutes in the past



ZEN-3224	Cannot stop zenrrdcached on fresh install (VMware ISO)
ZEN-3228	[maintenance] Locking an Interface for a Device does not prevent a re-model from deleting hand-added properties
ZEN-3233	[maintenance] zeneventserver executor queue length default is too small and QOS settings for queues are not configurable
ZEN-3261	[maintenance] Zengomd restarted erroneously with watchdog enabled (every cycleTime+2 minutes)
ZEN-3266	Audit logins always say from 127.0.0.1 with zenwebserver
ZEN-3284	[maintenance] ZEP needs an index on (clear_fingerprint_hash, status_id, last_seen) and tables should be COMPACT format
ZEN-3364	[maintenance] Link to collector performance page instead of device page for self-monitoring events
ZEN-3367	Select All scrolls down the event archive
ZEN-3382	[maintenance] Zenoss Core 4 ignores zSnmpEngineId setting and fails to model Mikrotik routers when SNMP V3 Private security mode is used (even though manual snmpwalk succeeds)
ZEN-3395	[doc update] [maintenance] Add ZenHub queue length monitoring to drop events at the hub in an event storm (follow on to ZEN-2854)
ZEN-3409	Zentrap Excessive Memory Usage
ZEN-3412	zenoss rpm doesnt like the official oracle jdk to be installed
ZEN-3425	[release note] "Warning: RPMDDB altered outside of yum" appears during standard RPM install
ZEN-3426	[maintenance] ZenDS version is reported as 5.5.25 but is actually 5.5.25a
ZEN-3431	[maintenance] Line Card Details: cannot convert float NaN to integer
ZEN-3432	[maintenance] CiscoMonitor 4.0 ZenPack Temperature Sensors Plugin generates traceback
ZEN-3433	[maintenance] CiscoMonitor 4.0 ZenPack VRF Plugin generates traceback
ZEN-3434	[maintenance] CiscoMonitor 4.0 ZenPack MPLS Plugin generates traceback
ZEN-3437	intermittent / choppy throughput graphs
ZEN-3452	[maintenance] Impact logical nodes zeneventd plug-in slows down event processing
ZEN-3455	[maintenance] Can't model Fan with BigIP ZenPack
ZEN-3457	[maintenance] ZEP statistics should be updated only when transaction completes
ZEN-3465	[maintenance] CiscoMonitor 4.0 ZenPack MPLS Plugin generates traceback

ZEN-3470	[maintenance] Certain events not clearing upon next successful run of zencommand
ZEN-3474	[maintenance] Incorporate ZenDS performance recommendations from Percona consultant for zeneventserver
ZEN-3482	Upgrade Zenoss version to 4.2.2 in the 4.2.x branch.
ZEN-3490	[maintenance] Some daemons don't delete their PID file nor have stop audited
ZEN-3493	[maintenance] Deleting OsProcess Organizers break the OSProcessClass relationship with the instances.
ZEN-3494	[maintenance] Google maps portlet very slow to load
ZEN-3499	[maintenance] Cannot successfully poll a remote rabbitmq with the Zenoss Labs RabbitMQ ZenPack
ZEN-3501	"Error 104 Connection Reset by Peer" when adding one or more devices
ZEN-3512	[4.2.2] - Zenhub invalidation polling is not configurable
ZEN-3516	Install Zenoss resmgr with a remote ZODB
ZEN-3518	unit test failure
ZEN-3519	[maintenance] AdvancedQuery.Or not working with CatalogService
ZEN-3520	[maintenance] AdvancedQuery.Or not working with CatalogService
ZEN-3522	Zenoss 4.2.2 resmgr installation fails on Centos 5
ZEN-3524	Getting installation error related to msmonitor zenpacks
ZEN-3529	Installation of resmgr failed - Several errors during the installation
ZEN-3532	[maintenance] Devices cease being monitored if you remove them from a device group and add them to another
ZEN-3534	[maintenance] VMware hosts vSphere Maintenance mode does not display in UI
ZEN-3535	[maintenance] There is a error in the /opt/zenoss/Products/ZenUtils/CmdBase.py script that is preventing logging to a file
ZEN-3536	[maintenance] VMware Perf and Event daemons accidentally delete their configs
ZEN-3541	Cloning Systems with RabbitMQ Already Installed
ZEN-3545	OS X Monitoring Broken
ZEN-3546	VMDC3/Bug 3743 - Zenoss 4.2 Installation Doc Needs Edits
ZEN-3547	VMDC3/Bug 3744 - RabbitMQ process stuck in loop after fresh install clone
ZEN-3549	VMDC3/Bug 3741 - Changes required for the Linux HA installation guide

ZEN-3550	VMDC3/Bug 3745 - Services Display - legend text outside of border
ZEN-3551	VMDC3/Bug 3746 - Delete Device menu doesn't toggle properly
ZEN-3552	[maintenance] ZenDS version is not being displayed on 4.2.2
ZEN-3554	[maintenance] vCloud component grid links don't work
ZEN-3556	[maintenance] Default ComponentGridPanel doesn't work
ZEN-3558	zendmd local variables are broken
ZEN-3560	zencheckrrd should send an event with RRD status
ZEN-3561	Impact pulls in duplicate dependencies which come with Java 6
ZEN-3562	[maintenance] Ping status report not showing all of the ping down devices
ZEN-3563	[doc update] Zenpack daemons never stop when uninstalled
ZEN-3564	Duplicate option in Status and Severity filters after click on 'Clear Filters'
ZEN-3567	[maintenance] vCloud vApps and VMs: cannot convert float NaN to integer
ZEN-3571	[maintenance] Monitoring Windows 2008 R2 systems via WMI returns NT_STATUS_ACCESS_DENIED
ZEN-3575	zenbatchload doesn't index all fields correctly
ZEN-3576	[maintenance] Zenpack daemons never stop when uninstalled
ZEN-3577	Number of VMwareGuest entries list twice as many as in reality
ZEN-3587	[doc update] Create an all-in-one zenoss_core*.rpm (includes core zenpacks)
ZEN-3588	[maintenance] Create an all-in-one zenoss_core*.rpm (includes core zenpacks)
ZEN-3589	[maintenance] ZenETL reports confusing missing config message
ZEN-3590	[doc update] Analytics - New configuration option for zenperfetl daemon
ZEN-3595	[maintenance] zenoss source install scripts cannot be automated easily because they require svn usernames and passwords on the command line.
ZEN-3596	[maintenance] WARNING zen.celeryintegration: Unable to save properties
ZEN-3601	Impact Dynamic Service View Broken in Chrome
ZEN-3603	[maintenance] zeneventd should be able to cache identification queries
ZEN-3606	[maintenance] Upgrade ZenDS from 5.5.15 or 5.5.25 to 5.5.25a makes some daemos stop running
ZEN-3615	[maintenance] make CI builds sensitive to minifier failures

ZEN-3618	[maintenance] fix legacy zenpack rpm packaging which doesn't like DESTDIR until we officially kill zenoss-core-zenpacks-4.x-*.rpm's
ZEN-3628	[maintenance] unit test failures testCProps & testDump
ZEN-3634	[maintenance] Daemon event queues grow without bound when disconnected with zenhub
ZEN-3636	[maintenance] Logical Collectors Share Same vmwaremodeler lock file
ZEN-3637	[maintenance] Security Issue - Command Execution
ZEN-3638	[maintenance] string splitting of Device Groups when adding Devices
ZEN-3642	[maintenance] zenpop3 messags cause tracebacks
ZEN-3643	zenimpactserver is Down after install Impact
ZEN-3645	[maintenance] Error messages in the installation logs (ERROR zen.protocols.twisted)
ZEN-3652	[maintenance] DiscoveryMapping: AttributeError: getDescription
ZEN-3653	[maintenance] Traceback during the msmonitor installation
ZEN-3668	Installation Guide should state when Warning messages may show up and whether to ignore them or not.
ZEN-3670	[maintenance] unit test failures - ApplyDataMapTest
ZEN-3673	[maintenance] getting traceback on zenhub after install DiscoveryMapping zenpack
ZEN-3674	[maintenance] IE: Impact view does not display as expected
ZEN-3675	[maintenance] Zenperftl log caught several tracebacks: Unexpected failure
ZEN-3677	[maintenance] RemoteException obscured by logging exception
ZEN-3678	[maintenance] Add perf batch option has disappeared
ZEN-3679	[maintenance] SNMP V1 Events from ZenTrap may have the wrong Ip Address
ZEN-3681	Component details don't update when selecting a different component type
ZEN-3682	[maintenance] VMDC3/Bug 3742 - zencatalogservice fails to shutdown during Linux HA switchover
ZEN-3685	Getting error where trying to create a data source
ZEN-3689	nginx: [emerg] bind messages during the 4.2.2-SD installation with remote ZODB
ZEN-3692	Administration Guide must specify the location of the SNMP MIBs since Operators will need to copy these MIBs in their MoM
ZEN-3697	[maintenance] Zenoss doesn't Add/model the box where is being installed

ZEN-3701	[maintenance] Install Zenoss resmgr with a remote ZODB fails
ZEN-3708	[maintenance] Don't cache RRD images at the browser
ZEN-3711	[maintenance] MSMONITOR installation error in a local zenoss installation
ZEN-3712	[maintenance] Getting error during Upgrade 4.2.1 -> 4.2.2 and 4.1.1 -> 4.2.2
ZEN-3720	[maintenance] Modifying a graph definition or graph point should not invalidate the Device class or Device
ZEN-3724	[maintenance] zenhub will not shutdown if mysql is stopped first.
ZEN-3735	Typo in ZenVMware /Events/VMware/Guest/Connection/Connect clear classes
ZEN-3736	[maintenance] ComponentGridPanel sortInfo doesn't work
ZEN-3738	[maintenance] CatalogService keeps VMware entries after removal of VMware endpoint
ZEN-3740	[maintenance] CatalogService keeps VMware entries after removal of VMware endpoint
ZEN-3744	[maintenance] zensendevent fails and breaks event system
ZEN-3746	[maintenance] Port ID field in UCS component listings sort as characters instead of numerically
ZEN-3751	[maintenance] Process output string too long for process monitoring over SSH
ZEN-3754	[maintenance] First device moved from one collector to another duplicates data
ZEN-3755	[maintenance] Clicking on Virtual Machines component gives error:
ZEN-3762	[maintenance] When moving a device to a remote collector the folder "/Devices/device_name" is not being created
ZEN-3768	Installation Steps need to be updated in several sections for Centos 5
ZEN-3769	Upgrade steps from 3.2.1 and 4.1.1 to 4.2.2 should be updated
ZEN-3786	SystemError: NULL object passed to Py_BuildValue
ZEN-3790	[maintenance] Unable to model a VMWare Infrastructure using a remote collector
ZEN-3805	[maintenance] Logs from hub/collector updates are formatted badly in the UI
ZEN-3808	CatalogService: Can't remove records from inconsistent catalog
ZEN-3815	[maintenance] zenhome wont rsync to remote collector if zenhome is a mount point
ZEN-3816	[maintenance] "zen* status": Reports processes running that aren't
ZEN-3832	Progress popup windows show HTML
ZEN-3836	[maintenance] LDAP configuration hangs and configuration not saved

ZEN-3837	Getting tracebacks when changing the parent name of Dynamic Organizer
ZEN-3841	[maintenance] Getting error on zenwin-zenwinperf-zeeventlog during Upgrades 4.2.1 -> 4.2.2
ZEN-3858	[maintenance] zenUser and zenOperator roles are able to edit Groups, Systems and Location
ZEN-3866	[maintenance] zeneventserver fails and is not prescriptive after rabbitmq-server upgrade
ZEN-3867	[doc update] zeneventserver fails and is not prescriptive after rabbitmq-server upgrade
ZEN-3872	[maintenance] Getting error when try to execute a command from Zenoss UI
ZEN-3874	Infrastructure page is unusable with large number open events
ZEN-3875	[maintenance] Adding devices or resetting IP using DNS results in the same IP
ZEN-3880	[maintenance] JMX /etc/zenjmx.conf missing?
ZEN-3881	[maintenance] Big console memory leak on Firefox leaves console unresponsive
ZEN-3885	[maintenance] unit test error: Products.ZenUtils.tests.testFunctionCache.FunctionCacheTest
ZEN-3886	[maintenance] UI operations on events timeout while processing a large backlog of zenoss.queues.zep.zenevents events
ZEN-3891	GUI: "new user added" banner re-issues after being acknowledged
ZEN-3896	[maintenance] installing new remote collector using the remote root user method does not work.
ZEN-3898	[maintenance] IE: Random Error on UI with the message SERVER EXCEPTION
ZEN-3906	Unit tests returns several tracebacks 4.2.2-SD
ZEN-3909	Several errors during the installation of msmonitor artifact
ZEN-3914	[maintenance] zeneventserver freezes during startup
ZEN-3923	Zentune traceback in fresh zenoss resmgr installation
ZEN-3928	[maintenance] Tracebacks in zenhub.log file after install msmonitor in Upgrade from 4.1.1 to 4.2.2
ZEN-3936	[maintenance] Analytics installation on Centos 6.3 is failing
ZEN-3939	[maintenance] Several tracebacks during the upgrade from 4.1.1 to 4.2.2 (resmgr)
ZEN-3940	[maintenance] UI is broken after the upgrade from 4.1.1 to 4.2.2 (resmgr)
ZEN-3941	[maintenance] Several WARNs messages during the upgrade from 3.2.1 to 4.2.2-SD: WARNING ZEO.zrpc (7397) CW: error connecting
ZEN-3950	[maintenance] Distributed Impact - Getting traceback when adding the first service
ZEN-3956	[maintenance] ASA, FWSM, ACE Show Inconsistent Context Counts

ZEN-3957	[maintenance] PIX interfaces not being modeled in CiscoMonitor ZP
ZEN-3962	[maintenance] RESMGR installation fails: Error in PREIN scriptlet in rpm package zenoss-4.2.2-r65457.el6.x86_64
ZEN-3964	[maintenance] SSH key setup failure in DC should mention that SELinux must be disabled
ZEN-3968	[maintenance] VMWare Appliance doesn't work
ZEN-3970	[maintenance] normalize artifact names to match previously published conventions that include build number
ZEN-3973	[maintenance] Traceback on fresh zenoss installation
ZEN-3989	[maintenance] zenwebserver is not starting on fresh installations
ZEN-3990	[maintenance] Unable to navigate to Configuration Properties of a device
ZEN-4005	[maintenance] zenrestore does not verify/create all the zends tables
ZEN-4008	VMware Cluster Overview Truncates Values
ZEN-4009	[maintenance] Getting traceback related zenMailTx during upgrade 4.1.1 -> 4.2.2
ZEN-4017	Changing collector through zendmd does not update at infrastructure page when filtering by collector
ZEN-4021	[maintenance] Getting traceback when navigate to Device Details page for devices under server/windows class
ZEN-4022	[maintenance] Reports - Several errors when opening performance reports
ZEN-4023	[maintenance] Reports - Traceback in MExchange Availability report
ZEN-4026	[maintenance] zenvmwareperf evaluates disabled thresholds
ZEN-4028	[maintenance] Error starting Zenoss after install msmonitor
ZEN-4034	[maintenance] ZenETL installation returns an error in the zenhub log
ZEN-4050	[maintenance] Don't start daemons automatically when installing Zenpacks.
ZEN-4058	[maintenance] Render URLs don't work through an HTTPS proxy
ZEN-4063	[maintenance] Left menu in Advanced tab is not consistent in all pages
ZEN-4080	[maintenance] Impact Logical Nodes window, missing labels according to the documentation
ZEN-4087	[maintenance] The first component for a device is not indexed correctly
ZEN-4089	[maintenance] LDAP Wizard not setting the User Id Attribute to the login attribute.
ZEN-4106	Google Maps integration is broken

ZEN-4114	[maintenance] VMware ISO installs a wrong rabbitmq-server version
ZEN-4119	[maintenance] ISO from build 1662 is not installing msmonitor
ZEN-4123	[maintenance] zenpacks are missing when Zenoss Core is installed using the AIO artifact
ZEN-4129	[maintenance] BIG-IP component events don't get associated with components
ZEN-4131	[maintenance] Google map is not displaying locations in FF 16.0.2 (Chrome and IE work fine)
ZEN-4138	[maintenance] vMotion removes ZenVMwareGuest from services
ZEN-4146	Test Defect - take no action
ZEN-4153	Impact: Can't filter impact by type in policy
ZEN-4163	[maintenance] VMware Appliance Traceback in the zenjobs.log after perform the first startup
ZEN-4166	Update collector feature is failing for remote collector
ZEN-4186	Upgrade process is failing, when upgrading from 3.2.1 Core to 4.2.2-up Core.
ZEN-4192	Adding a VMware Infrastructure with bad credentials returns a traceback
ZEN-4193	Very Slow Scrolling in FireFox 13
ZEN-4216	"Availability Report" is not working after upgrade from 4.2.0 -> 4.2.2-up CORE local
ZEN-4229	Moving a device to a Groups organizer selects the Group organizer
ZEN-4230	Jobs to move devices into organizer succeed but don't
ZEN-4231	Race condition when trying to move devices under organizers
ZEN-4246	Upgrade process is failing, when upgrading from 4.2.0 Core to 4.2.2-up Core.
ZEN-4247	Upgrade install post step error, upgrade from 3.2.1 Core to 4.2.2-up Core.
ZEN-4253	Mapping LDAP groups to Roles does not work after initial install
ZEN-4259	[test case] Race condition when trying to move devices under organizers
ZEN-4260	[test case] Moving a device to a Groups organizer selects the Group organizer
ZEN-4261	[test case] Jobs to move devices into organizer succeed but don't
ZEN-4262	[test case] [maintenance] LDAP Wizard not setting the User Id Attribute to the login attribute.
ZEN-4264	Event Icon for file system windows device doesn't update on event alert
ZEN-4276	"Software Inventory" is not working after upgrade from 4.2.0 -> 4.2.2-up CORE local
ZEN-4280	Tracebacks caught in the zenjobs log after a fresh install



ZEN-4285	Search by Distinguished Name is broken
ZEN-4298	Impact: enterpriseservices_router action renamed to ImpactRouter
ZEN-4308	Enterprise collectors are broke due to change in base ZenCollector
ZEN-4314	View Log and Start/Stop daemons not working with remote collectors
ZEN-4316	Javascript error when accesing Events from Event Class
ZEN-4340	Impact: vMotion results on old and new host impacting VM
ZEN-4348	Traceback on zeneventd.log after zenoss installation
ZEN-4362	Decommissioned devices should be unknown, not Up or Down
ZEN-4380	[doc update] Tracebacks caught in the zenjobs log after a fresh install
ZEN-4382	Datasource display is missing Severity value
ZEN-4385	Device detail page does not end to load
ZEN-4391	[4.2.x] Collector event de-duplication breaks linkDown/linkUp SNMP trap handling
ZEN-4408	Monitoring templates tree does not open
ZEN-4439	Traceback on Unit tests