Zenoss Analytics Release Notes

Release 5.0.2

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Zenoss Analytics Release Notes

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About this document

Zenoss Analytics Release Notes contains important information about Zenoss Analytics (Analytics) the current release.

Scope

This document provides information about the following releases of Analytics:

- Release 5.0.2 (March 2016)
- Release 5.0.1 (December 2015)
- Release 5.0.0 (June 2015)

Compatibility

The following table shows the compatibility between releases of Analytics and Resource Manager. The Resource Manager information includes the required Recommended Patch Set (RPS) number.

Note   For Resource Manager 5.x deployments, Zenoss recommends the most recent available minor or micro release.

Analytics	Resource Manager
5.0.2	5.0.6 or a more recent release
	4.2.4 with RPS 819 or a more recent release
	4.2.5 with RPS 615 or a more recent release
5.0.1	5.0.6 or a more recent release
	4.2.4 with RPS 819 or a more recent release
	4.2.5 with RPS 615 or a more recent release
5.0.0	5.0.0 to 5.0.5
	4.2.4 with RPS 457 or a more recent release
	4.2.5 with RPS 763 or a more recent release

Feature changes

Features 5.0.2

This release includes no new features.

Features 5.0.1

This release includes no new features.

Features 5.0.0

Analytics 5.0.0 offers these new features and improvements:

- Analytics 5.0.0 ETLs model, events, and data from one or more Resource Manager 4.x and/or 5.x instances.
- Performance metrics can be extracted from both OpenTSDB and HBase (Resource Manager 5.x) as well as RRD files (Resource Manager 4.x).
- Added ETL of all device and component template bindings so you can determine which monitoring templates are attached to what devices/components.
- Min and Max thresholds for devices and device components are now ETL'ed to a new dimension table named "dim_threshold_values". Even if the threshold definitions are complicated TALES expressions referencing modeled, z-, or c- properties, the ETL will calculate the thresholds (at the time of the ETL) and store the resulting threshold values into the new dimension table so that it can be included in reports. For example, set `/FileSystem/Server/` thresholds high disk usage maximum Value to "here.zCommandLoginTimeout". You can now include the min and max threshold values in your reports by selecting the "threshold_max_value" and "threshold_min_value" columns from the dim_threshold_values table.
- OpenJDK replaces Oracle JRE.
- Uses the TIBCO Jaspersoft 6 solution, which enables Embeddable Dashboards, Interactive Report Workbooks, New Chart Types, and Custom Visualizations. For more information, see *http://www.jaspersoft.com/introducing-jaspersoft-6*.
- All Zenoss 5.x products replace ZenDS (backed by Oracle MySQL) data stores with its derivative MariaDB 10. Analytics follows suit and replaces ZenDS with MariaDB as the ETL data warehouse destination data store. MariaDB is now the only supported Analytics relational database store.

Fixed issues

Fixed issues 5.0.2

ID	Description
ZEN-19826	Analytics ETL process has been modified to skip loading any perf files containing alias names longer than 60 characters.
ZEN-21479	Analytics ETL is not accounting for datapoint RRD Type.
ZEN-21563	ZenETL 5.0.1 breaks perf ETL on RM 4.x.

Fixed issues 5.0.1

ID	Description
ZEN-17590	Improved memory performance for zenperfetl.
ZEN-19863	zenperfetl is not install under the correct service grouping in Resource Manager 5.x

Fixed issues 5.0.0

ID	Description
ZEN-7993	Not able to tell which monitoring template is attached to what devices/components in Analytics.
ZEN-8712	Create a new way to handle deleted entities.
ZEN-10804	The zenperfetl extracts data for a different time than the extract window had specified.
ZEN-13383	Create a dimension table representing time for raw data queries.
ZEN-14164	Analytics batches do not load in the UI on Resource Manager 4.2.5.
ZEN-14612	Cannot determine if aggregation is currently running.
ZEN-14616	Add ability to define business hours to include day of week as a qualifier.
ZEN-14626	Business Hours aggregation does not correctly calculate for a start time that is in the middle of an hour.
ZEN-14771	The Nth percentile and projection calculation can create table names that are too long.
ZEN-14789	Performance batches created through the UI stay in a permanent STAGING state.
ZEN-14994	Aggregation fails when the raw table corresponding to meta_metric does not exist.
ZEN-15018	The extract_count and staging_count/load_count for model batches are different.
ZEN-15094	A zenperfetl recovery swamps the host with multiple logical collector installs.
ZEN-15718	The meta_batch.extract_end is set to 0 if max-batches is set to 1 in zenperfetl.conf.
ZEN-15766	The group_filter for the Analytics aggregation configuration does not apply to the entire group hierarchy below the path provided.
ZEN-15791	When the Analytics server gets shut down, any batches in the LOADING state permanently stay in that state.

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ID	Description
ZEN-16299	The meta_batch, meta_batch_file and meta_etl tables grow uncontrollably and should be partitioned and purged by the daily purging process.
ZEN-16437	Batch cancellation logic was changed so that they are no longer permanently cancelled.
ZEN-16610	The RotateAndPrunePartitionsTrigger does not log completion, thus there is no way to tell how long it takes.
ZEN-16906	The percentile and projection tables are not pruned.
ZEN-16910	The Nth percentile calculations fail when nth_percentile_config.period is set to 1.
ZEN-16999	The dim_rrd_datapoint does not contain a foreign key to dim_rrd_template. It should contain an rrd_template_key column.
ZEN-17139	Enable zenperfetl to use a MAX rather than an AVERAGE consolidation function for extracting performance data.
ZEN-17542	Add ETL of threshold expression evaluations.
ZEN-17650	Custom event fields that contain a period cause Event ETL load to fail, since periods are not valid characters in names of mysql table fields.
ZEN-17707	The dimension table creation fails for tables with 60 attributes.
ZEN-17830	The mem__pct alias is not correct for `/Server/SSH/AIX`

Known issues

Release 5.0.2

ID	Description
ZEN-17500	A user with ReportingUser role cannot see Basic reports
ZEN-17531	The Device Availability report is only showing either 0% or 100% availability.
ZEN-18185	The Interface Volume report is not converting numbers to a more readable format.
ZEN-18203	Selecting Gaps in an Analytics Batch Processing report generates an error.
ZEN-18229	The dim_device table displays a null value in the Device Availability By Week report.
ZEN-18720	Users have administrative privileges in Analytics despite not having the reporting_user role.
ZEN-18734	InstallDate as part of the software component is not available in the dim_software table.
ZEN-19073	Performance batches for collectors with no devices get marked as FAILED.
ZEN-21265	The dim_zenoss_instance.zenoss_instance_fqdn value is not updated when the configuration is saved.
ZEN-21269	A silent failure for perf extraction occurs when using a zproxy virtual host URL for Resource Manager.
ZEN-21501	Not all of the devices with locations are populating dim_location during ETL modeling.
ZEN-21548	A four-level domain name for Resource Manager breaks Analytics perf ETL.
ZEN-22039	Random crashing of Analytics.

Release 5.0.1

No known issues.

Release 5.0.0

The following issues are known for this release of Analytics:

- Due to slightly different time windows and different resolutions in the data, Zenoss and Analytics reports may vary slightly.
- Default accounts are not locked, disabled, or set-to-good-default-passwords on initial installation.
- Full access controls (device ACLs, roles, and groups) are not supported.
- Sometimes the data set being used for projections may not be appropriate for the projection algorithm producing a situation where the projection is marked as UNRUN with the projection table created, but empty.

Installation and Implementation Notes

For complete installation and implementation instructions, refer to the *Zenoss Analytics Installation and Administration Guide*.

Additional information

Documentation feedback

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