Oracle® Retail Clearance Optimization Engine Release 13.1.2

Release Notes

January 2010

Welcome to Oracle® Retail Clearance Optimization Engine (COE) Release 13.1.2.

This document contains the release notes for the COE 13.1.2 and highlights the enhancements and fixed defects for this release.

> **Note:** Installation media files for an Enterprise release (13.x) are available on the *Oracle Electronic Delivery* Web site (http://edelivery.oracle.com) and Patch releases (13.1.x) and Hot Fixes (13.1.x.y) are available on the *My Oracle Support* Web site (https://support.oracle.com).

COE 13.1.2 Build IDs:

Table 1   Package Matrix Build IDs

Component Name	Version Number
COE 13.1.2	Coe-13.1.2-203-201001170500-248276
Framework 3.1.2	Framework-3.1.2-119-201001142100-248200
Installer 3.1.2	Installer-3.1.2-121-201001142150-248200
Suite 3.1.2	Suite-3.1.2-120-201001142115-248200
Enginepkg 5.4.2	Enginepkg-5.4.2-205-201001151025-248200
APC-MDO 13.1.2	APC_MDO-13.1.2-152-200912220200-247175

Overview

The following enhancement has been included in COE Release 13.1.2:

Archive Table Retention Period

As part of the COE weekly batch process, certain archive tables are updated. These tables are:

- like forecast_activities_arch
- forecast_summaries_arch
- item_data_arch
- markdown_activities_arch
- rtm_history_arch

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- rtm_status_arch

- rtm_status_arguments_arch

A new partition is created every week for these archive tables. Over time, these tables will increase in size. In order to manage the size of the archive tables, COE now provides a means of configuring the length of retention period for archive table.

As part of this feature, a script is provided to set the number of retention weeks for each archive table. A purging step has been added to the weekly batch process.

This retention period defaults to null so that no archive is truncated by default. The recommended retention period is two years.

Retention Script

Use the following script, available under <install_base>/modules/tools/bin, to set the retention period for the archive tables.

plsetarchiveretention.sh *<config_root> [archive_table_name [NULL | nn]] [DEFAULT [NULL | nn]]*

Arguments:

<config_root>	path to configuration files
archive_table_name [NULL	nn]	archive_table_name is the name of the archive table followed by the word NULL or <a positive number representing the number of retention weeks>.
DEFAULT [NULL	nn]	DEFAULT represents all other tables not listed followed by the word NULL or <a positive number representing the number of retention weeks>.

Example: plsetarchiveretention.sh $INSTALL_DIR/config TABLE1_NAME 50 TABLE2_NAME NULL DEFAULT 100

Weekly Batch Process

A purging procedure is called as part of FELOAD and before the archiving process. This procedure drops all expired partitions and logs the purge data into ARCHIVE_ STATUS_TBL.

Database Changes

The following changes have been made to the database for this feature.

New table for defining retention periods of archive partitions: ARCHIVE_ RETENTION_TBL.

New column in ARCHIVE_STATUS_TBL: PURGE_DATE (data type of DATE).

New view: EXPIRED_ARCHIVE_PARTNS_VW

Purging Logic

1. Retrieve 'CurrentWeek' value from p4p_params.

2. Retrieve retention details of archive tables from ARCHIVE_RETENTION_TBL.

3. Retrieve records from ARCHIVE_STATUS_TBL. A partition record here is deemed expired if the number of weeks between its corresponding run_id's FORECAST_

RUNS.LAST_ACTUAL_DT value and 'CurrentWeek' is greater than it's respective ARCHIVE_RETENTION_TBL.retain_weeks.

4. Drop expired partition of actual archive table and update PURGE_DATE of its ARCHIVE_STATUS_TBL record.

Noteworthy Bug Fixes in this Release

The following bugs have been fixed in COE Release 13.1.2:

14420 – The weekly batch process now only gathers statistics on newly created archive partitions.

14647 – The IR_WIF_PROJ_OH_UNITS_EFF_DT view has been corrected. The view take into account the fact that calendar_dt in forecast_activities always falls on the last day of a week.

Known Issues

The following is a known issue for COE 13.1.2:

14999 –In the COE 13.1.1 Release Notes, the Flexible Clustering Section states that ASH_CLUSTER_MAPPING_TBL has been deprecated. This is not correct. Only the ASH_CLUSTER_LOAD_TBL interface has been deprecated.

Compatibility Matrix

This release of COE supports versions of the Item Planning product listed in the Integration Compatibility Matrix, which is available on the Oracle support website.

Oracle Retail Documentation on the Oracle Technology Network

In addition to being packaged with each product release (on the base or patch level), all Oracle Retail documentation is available on the following Web site:

http://www.oracle.com/technology/documentation/oracle_
retail.html

Documentation should be available on this Web site within a month after a product release. Note that documentation is always available with the packaged code on the release date.

Customer Support

https://support.oracle.com

When contacting Customer Support, please provide:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to recreate
- Exact error message received
- Screen shots of each step you take

Oracle Retail Markdown Optimization Release Notes,