

Oracle® Retail Clearance Optimization Engine Release 13.1

Release Notes

July 2009

Welcome to Oracle® Retail Clearance Optimization Engine (COE) Release 13.1. This document contains the release notes for the COE v13.1 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 (13.0.x) and Hot Fixes (13.0.x.y) are available on the *My Oracle Support* Web site (<https://metalink.oracle.com>).

COE 13.1 Build IDs:

Table 1 *Package Matrix Build IDs*

Component Name	Version Number
COE 13.1	Coe-13.1.0-136-200906190500-240218
Framework 3.0.0	Framework-3.0.0-176-200906152115-239986
Installer 3.0.0	Installer-3.0.0-169-200906160004-239986
Suite 3.0.0	Suite-3.0.0-176-200906152343-239988
Enginepkg 5.4.0	Enginepkg-5.4.0-126-200906160148-239986
APC MDO 13.1	APC_MDO-13.1.0-181-200906051403-239544

What's New in this Release

The following enhancements have been included in COE Release 13.1:

Supported Platforms

Table 2 Database Requirements

Software	Requirement			
Database (64-bit)	Oracle Database 10g Release 2, Enterprise Edition (10.2.0.4) RAC or Single Instance			
Database Features	Oracle Partitioning Important: Although this database feature is available in the Oracle Database Enterprise Edition, you may need a separate license to use this feature. For more information, refer to the <i>Oracle Database Licensing Information 10g Release 2</i> .			
Operating System (64-bit)	Oracle Enterprise Linux 5.0 Update 2	Sun Solaris 10 (SPARC)	HP-UX 11i v3 Update 1 (11.31), Itanium-based	IBM AIX 6.1 Technology Level (TL) 1 Service Pack 2 (SP2)
Utilities	file transfer protocol utility (ftp or ssh/scp/rsync) sudo utility			

Table 3 Application Server Requirements

Software	Requirement			
Application Servers	Oracle Application Server 10g Release 3 Patch Set 10.1.3.3 (32-bit)		Oracle Application Server 10g Release 3 Patch Set 10.1.3.3 (64-bit)	
	<i>Or</i>			
	BEA WebLogic Server 10.0 MP1			
Database Client	Oracle Database 10g Client Release 2 (10.2.0.4.0)			
Operating Systems (64-bit)	Oracle Enterprise Linux Release 5.0 Update 2	IBM AIX 6.1 Technology Level (TL) 1 Service Pack 2 (SP2)	Sun Solaris 10 (SPARC)	HP-UX 11i v3 Update 1 (11.31), Itanium-based
JVM	JRockit 5.0 R27.3.1 JDK (32-bit) for WebLogic Sun JDK 1.5.0_6 (32-bit) for OAS	IBM JDK 1.5 (Service Refresh 9) build pap32devfix-20081129 (32-bit)	Sun JDK 1.5.0_11 (32-bit)	HP-UX JDK for the Java 2 Standard Edition 5.0.0.8 with Java HotSpot and later. (32-bit)

User Management

The bulkloader.sh script now accepts an encrypted password.

Here is an updated list of roles and actions. Note that these are the default roles that come with the application. For more details about other COE roles, see the COE Configuration Guide.

Table 4 UM Roles and Actions

Role	Default Action
PRICE_VIEWER	PRICE_VIEW
BRM_PRICE_EDIT	BRM_PRICE_EDIT PRICE_SEASONALITY_EDIT
BRM_PRICE_VIEW	BRM_PRICE_VIEW PRICE_SEASONALITY_VIEW
BRM_PROFITLOGIC_EDIT	BRM_PROFITLOGIC_EDIT
BRM_PROFITLOGIC_VIEW	BRM_PROFITLOGIC_VIEW
WHAT_IF_SERVICE_USER	MDO_WHAT_IF_SERVICE_EXEC

The COE roles are defined as follows.

- BRM_PRICE_EDIT – can edit a business rule through the UI at the item level or higher.
- BRM_PRICE_VIEW – can view a business rule through the UI at the item level or higher.
- BRM_PROFITLOGIC_EDIT – can edit administrative business rules.
- BRM_PROFITLOGIC_VIEW – can view administrative business rules.
- WHAT_IF_SERVICE_USER – allows access to the web service.
- PRICE_VIEWER – has read-only access to worksheets at the specified level in the hierarchy.
- PRICING_GROUP_VIEW – can view pricing group information
- PRICING_GROUP_EDIT – can edit pricing group information
- WHATIF_SERVICE_ADMIN – has administrative privileges for the web service.

Significant COE actions are defined as follows.

- PRICE_GUARD – guards against illegal access to the application.
- MDO_WHAT_IF_SERVICE_EXEC – provides access to the web service.
- PRICE_MAINTAINING_MERCHANDISE_VIEW_NO_PG_EDIT – provides read-only access to the Pricing Group Manager.
- PRICE_SEASONALITY_VIEW – can view seasonality curves but cannot override or change mappings.
- PRICE_SEASONALITY_EDIT – can edit seasonality curves. This permission only applies to hierarchies that the user has permissions to edit.

Clearance Optimization Service API

The Clearance Optimization Service interface has been updated to accommodate per-item scenarios per service request. This affects the service call interface as well as the RMI interface to the Calculation Engine. Users may experience better Web Service performance since multiple scenarios can be executed in a single request.

Seasonality Override Sorting

The tables of the Seasonality Override screen can be sorted independently.

Pricing Group Manager

The Pricing Group Manager allows COE users with sufficient privileges to manage and create Pricing Groups using the COE UI.

Internationalization

A new install property, `dataset.load.characterset=<character set other than UTF8>` has been added to reference `install.properties` file. If the user does not set this, by default it will be UTF8. This can be set using `install.properties` during installation.

Web Services Security

COE Web Services now supports security features such as Digital Signatures and Encryption by using the Application Server's security settings/capabilities. In addition, the Web Service now has capabilities to support User Authentication and Authorization against the COE Database.

Hierarchy Filtering

By default, a user can configure "filter by Hierarchy 6". To configure the default hierarchy 6 to the unique combination of hierarchy numbers, change the `INT_UNIQUE_ID` derivation in `p4p-column-list.xml` file to the desired hierarchy numbers. For example, if user wants to change to Hierarchy5-Hierarchy6-Hierarchy7, it should be as follows (in the bold section).

```
<column-def>
<key>INT_UNIQUE_ID</key>
<column-def-properties label="p4pgui.ItemListFilter.column.label"
description="item list filter" db-table-name="P4P_DISPLAY_ITEMS"
db-column-name="unique_id" derivation=" HIERARCHY5-HIERARCHY6-HIEARCHY7 "
type="string" display-type="static-text" filterable="true" sortable="true"
orderable="true" hideable="true" groupId="GROUP_HEADER">
</column-def-properties>
</column-def>
```

To change the example lines and label for Find By Hierarchy 6, configure the `grid.resources.properties` file and the `p4pguiResources.property` file. For example

```
p4pgui.ItemListFilter.column.label=Find by HIERARCHY6
p4pgui.quickFilter.itemList.instructions=Example:<br>hierarchy6<br>819
```

Fixed Defects

The following defects have been fixed in COE 13.1:

1666 – When you use the 'like' or 'not like' partial filtering operators, you must enter a specific string for the filter. For partial filtering operators, you cannot use wildcard strings such as * and %.

2226 – Installer overwrites any existing files in <install_base>. If the application is deployed in the same directory, the original files should be backed up to save custom configurations.

10722 – The Solaris X86 has been removed from the platform support matrix for all official guides.

10862 – The Installation Guide has added the system requirement that the clock on the application servers and database machines must be synchronized. If this does not occur then the application may be redirected to the login page.

12333 – The Installation Guide now documents that separate hosts are not required for COE FE and the Engine.

12350 – The Installation Guide now states that If Oracle Application Server 10g is installed, ensure the memory arguments are defined the opmn.xml and stop the applications manually to avoid an Out of Memory exception during the upgrade.

12422 – The information regarding buffer pools and Oracle database has been removed from the Installation Guide.

12899 – The User Management chapter of the Configuration Guide and the Seasonality Manager chapter of Administration Guide has been updated with information regarding permissions required for Selecting Current curves in Seasonality Manager regarding viewing and changing curves.

12915 – The Configuration Guide now discusses the new filtering option for columns with a data type of String: The columns can be set to case sensitive / case insensitive while filtering. This can be achieved by adding this new tag for any column in p4p-column-list.xml

iscasesensitive="false" will make a column case insensitive

iscasesensitive="true" will make a column case sensitive.

12939 – The following information has been added to the Configuration Guide regarding configuring Maintaining Merchandise grids: Maintaining Merchandise grids do not use the P4P_DISPLAY_ITEMS view as db-table-name; instead, they use the P4P_MAINTAIN_ITEMS view. P4P_DISPLAY_ITEMS has been replaced in Maintaining Merchandise grids by P4P_MAINTAIN_ITEMS.

In addition, the following metrics are only available on the Maintaining Merchandise views (metric name - metric key):

New Out Date - INT_MOD_OUTDATE

New Salvage Value % - INT_MOD_SALVAGE_VAL_PERC

New Sell Through % - INT_MOD_INV_TARGET_ST_PERC

New Ending Inventory - INT_MOD_INV_TARGET_END_UNITS

New Start Date - modifiedStartDate

All the metrics listed above must have the following property in order to filter:

```
<custom-property name="useMaintainView" value="true"
custom-type="application"/>
```

12942 – Note that, whenLoadSeasonalities.java fails, records are not added to _BAD tables (you will see a message saying that AS_VERSION already exists). The change applies to analyticalDataRefreshEvent() that currently checks for AS_VERSION. The procedure exits with the error message when isNewData= false in analyticalDataRefreshEvent()."

AS_Version must be different during the analytical refresh or the procedure will fail with this error message.

12986 – The First Sale Date is now calculated as follows:

```
CASE WHEN SUM(CASE WHEN a.net_sales_units > 0 THEN 1 ELSE 0 END) OVER
(PARTITION BY a.item_id) > 0
```

```
THEN FIRST_VALUE(a.calendar_dt) OVER (PARTITION BY a.item_id ORDER by
CASE WHEN a.net_sales_units > 0 THEN 1 ELSE 100 END )
```

```
ELSE NULL END
```

13074 – The calendar loader has been modified so that the End of Period accepts any day of the week.

13108 – Users now have the option of setting any column to be case sensitive or case insensitive. By default all columns are set to case sensitive. To make a column case insensitive, use the attribute "iscasesensitive=false". If this attribute is not available, the default is case sensitive.

13251 – The Database section of the Installation Guide has been updated to include all the database parameters and their values.

13281 – The Installation Guide has been updated with information about updating parameters in the init.ora file.

13314 – The User Guide has been updated regarding the absence of default sorting of columns.

13328 – In the Installation Guide, in the section on configuring OAS,

the line -Dcom.profitlogic.configroot=/pricecluster/config

has been changed to

```
-Dcom.profitlogic.configroot=/<path to install dir>/config
```

The change described in the documentation needs is required for each node in a clustered environment.

13329 – The order of the post-installation tasks in the Installation Guide has been corrected to:

1. Loading Seed Data
2. Loading Business Rules
3. Loading user Roles

13331 – The Installation Guide has been updated with the following message for the reference install property:

```
<Yes for Oracle Application Server, and No for OC4J instance:yes or no.>
```

13333 – The Installation Guide has been updated to remove the property `-Djava.awt.headless=true`. Since Any Chart is used to render the graph, this property is no longer required.

13423 – In COE Web Service V2, the value of `p4pgui.what-if.max.size` is checked against entire service call.

13529 – The BRM drill downs do not expand properly. The User Guide and Online Help have been updated with the following note: to "allow script-initiated windows without size or position constraints".

13631 – The custom login module used for Web Service has a property `debug` set to true. This can be changed to false from the Application Service console if debug information is not required.

Known Issues

The following are the known issues in this release.

10722 – Solaris x86 is no longer supported.

11808 – Running `forecastSendback.sh` script for generating forecast/markdown reports does not re-enable all users logins, even though the output of the script completion says "Enables Login". Use the `PriceAdmin` command `generateSendback` only once to generate the `sendback` file.

13070 – It is possible randomly to encounter an "ORA-00942: table or view does not exist" error even though a particular table/view exists. This could be due to a bug in Oracle 10g (see Bug 6746196 False ORA-942 after valid error for identical SQL). In that case, ask the DBA to flush the shared pool on the database and then resume COE operation.

13425 – Customers who run WL 10.0 MP1 on AIX 6.1 sp2 need the following interim patch from IBM

1. Ensure that you have AIX 6 TL 1 SP2:

```
oslevel -s
6100-01-02-0834
```

2. Request from the IBM support team Interim Patch `IZ33335_6B.081030.epkg.Z`
3. preview the patch install, verifying there are no errors:

```
emgr -p -e IZ33335_6B.081030.epkg.Z
```

4. install the patch:

```
emgr -e IZ33335_6B.081030.epkg.Z
```

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://metalink.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 Clearance Optimization Engine Release Notes,

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