

# Oracle® Retail Markdown Optimization Release 13.2

Release Notes

Release 13.2

July 2010

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Welcome to Oracle® Retail Markdown Optimization (MDO) Release 13.2.

This document highlights the enhancements and fixed defects for this release.

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**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 (13.2.x) and Hot Fixes (13.2.x.y) are available on the *My Oracle Support* Web site (<https://support.oracle.com>).

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## MDO 13.2 Build IDs:

**Table 1** *Package Matrix Build IDs*

Component Name	Version Number
MDO	Price-13.2.0-181-201007160700-254728
Framework	Framework-3.3.0-241-201007151900-254707
Installer	Installer-3.3.0-241-201007152030-254728
Suite	Suite-3.3.0-238-201007151930-254728
Enginepkg	Enginepkg-5.6.0-159-201007152145-254728
APC-MDO	APC_MDO-13.2.0-74-201007071314-254487

## Supported Platforms

The section details the supported platforms for MDO 13.2.

**Table 2 Application Server Requirements for MDO**

Software	Requirement				
Application Servers	Oracle WebLogic Server 11g Release 1 (10.3.2)				
Database Client	Oracle Database 11g Client Release 2 (11.2.0.1.0)				
Operating System (64-bit)	Oracle Enterprise Linux 5.0 Update 3	Sun Solaris 10 8/07 (Update 4)	HP-UX 11i v3 Update 1 (11.31), titanium-based	IBM AIX 6.1 Technology Level (TL) 4	Red Hat Enterprise Linux 5 Update 3
JVM	JDK 1.6 Update 18 (64-bit)	JDK 1.6 Update 18 (64-bit)	HP-UX JDK 6.0.01 java version "1.6.0.07 (64-bit)	IBM JDK 1.6 SR6 (64-bit)	Sun JDK 1.6 Update 18 (64-bit)

**Table 3 Database Requirements for MDO**

Software	Requirement				
Database (64-bit)	Oracle Database 11g Release 2, Enterprise Edition (11.2.0.1.0) 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 11g Release 2</i> documentation.				
Operating System (64-bit)	Oracle Enterprise Linux 5.0 Update 3	Sun Solaris 10 (SPARC) timezone patch 122032-01 or later and libc patch 119689-07 or later	HP-UX 11i v3 Update 1 (11.31), titanium-based	IBM AIX 6.1 Technology Level (TL) 4	Red Hat Enterprise Linux 5 Update 3
Utilities	File transfer protocol utility (ftp or ssh/scp/rsync) sudo utility				

## Supported Oracle Retail Products

The following Oracle Retail product is supported:

Product	Version
Oracle Retail Analytic Parameter Calculator for Markdown Optimization (APC-MDO)	13.2

## New Features for MDO 13.2

The following new features are included in this release.

### Password Stores

As part of the Oracle Software Security Assurance (OSSA) program, sensitive information such as user credentials are encrypted and stored in a secure location called password stores. The password stores are secure software containers that store the encrypted user credentials.

You can retrieve the credentials using aliases that were set up when encrypting and storing the user credentials in the password store.

Before you start the application installation, you must set up a password store for the database user accounts using Oracle Wallet on the application database side. You must also set up another password store for the application and application server user accounts using the Credential Storage Manager (CSM). Once the CSM password store is set up, you must also set up the same database credentials (including the alias name, stored in the Oracle Wallet) in the CSM password store.

This process involves assigning an alias for the user name and associated password for each database user account. The alias will later be used during the application installation. This password store must be created on the system where the application server and database client are installed.

For more information, please refer to the relevant Installation Guides. The password stores, and all necessary steps to store and retrieve the passwords must be completed before MDO installation can begin.

### User Management

You can now assign more than one role to a user at the same time. In addition, the User Management interface now includes column filtering functionality.

### Estimated Base Demand

For items with low rates of sales, it is now possible to estimate demand not just on the store being optimized but on the aggregated performance across stores.

### Internationalization

MDO supports seven new languages: Croatian, Dutch, Greek, Hungarian, Polish, Swedish, and Turkish, for a total of 17 languages (in addition to English).

### PriceAdmin Commands

The PriceAdmin commands require an admin alias in order to be executed. The admin user must have the PRICE\_ADMIN\_USER role. The PriceAdmin user and credential information must be stored in the password store to be referenced by the alias while executing the PriceAdmin command. For more information on how to set the password store and password alias, refer to the MDO Installation Guide. In addition, the user action must be set to PRICE\_ADMIN\_EXEC.

### Bulkloader Utility

The shell script for the Bulkloader Utility takes a new argument for the administrative user's alias, stored in the CSM wallet:

```
bulkloader.sh -useralias <admin alias>
```

## Calc Engine properties Files and db.alias

If db.alias is present, then the user and password from the Oracle wallet are used. If not, then the user name and password found in delphi.properties file are used.

## Noteworthy Fixes in This Release

The following bugs have been fixed in this release:

**10681** – An out-of-memory error that was affecting performance has been fixed.

**13413** – The Report notification email subject is translated into all supported languages.

**13801** – When exporting the What-If chart, the sheet name of the spreadsheet is translated into all supported languages.

**13802** – The Reports Excel sheet name displays correctly in Chinese.

**14156** – The p4pgui.startDate.column.label is translated into all supported languages.

**14431** – The following new warning message in p4pguiResource.property file is translated into all supported languages.

"p4pgui.readonlyWorksheetWarning = Please reselect worksheet(s) to clear comments. At least one worksheet you selected has been submitted or approved already."

**15075** – The following three messages are being translated in Spanish correctly:

- p4pgui.WhatIfWarnTooManyItemsSelected=Your current selections represent more than {0} items. This may take a long time. Do you want to proceed?
- p4pgui.WhatIf.InvalidDate=The value for "{0}", must be a properly formatted date. Please enter the Date matching this sample, {1}.
- p4pgui.message.props.updateSuccessful=Item Property changes successful

**15098** –The "derivation" attributes in the following<column-def> elements in p4p-column-list.xml have been corrected.

```
<column-def>
  <key>curProjSalesDollarsEOLGrp</key>
  <column-def-properties label="p4pgui.projSalesDollarsEOLGrp.column.label"
description="p4pgui.projSalesDollarsEOLGrp.column.description" db-table-
name="P4P_DISPLAY_ITEMS" db-column-
-name="XML_CUR_EOL_CUM_DLRS_SALES_C"
derivation="CUR_EOL_CUM_DOLLARS_SALES_C + CUMULATIVE_SALES_DOLLARS"
type="double" display-type="currency" filterable="true" sortable="true"
orderable="true" hideable="true" groupId="GROUP_HEADER"
format="p4pgui.bigCurrency.column.format" composeable="true">
  <function key="P4P_SUM"/>
</column-def-properties>
</column-def>
```

```
<column-def>
  <key>curTakenMDDollarsCost</key>
  <column-def-properties db-table-name="P4P_DISPLAY_ITEMS" db-column-
name="XML_CUR_TAKENMDDOLLARSCOST" derivation="case MARKDOWN_FLAG
when 0 then 0 else NVL (cur_proj_oh_units_eff_dt, 0) * unit_cost end"
label="p4pgui.takenMDDollarsCost.column.label"
description="p4pgui.takenMDDollarsCost.column.description" type="double"
sortable="true" orderable="true" hideable="true" expandable="false"
operatortype="numeric" display-type="currency" groupId="GROUP_HEADER"
```

```
composeable="true">
  <function key="P4P_SUM"/>
  </column-def-properties>
</column-def>
```

**15105** – When the RDM and the MDO schemas are in the same instance, the `rdm.oak.dblink` property in the installation property file is not required and can be set to NONE or left blank.

**15115** – The escalation logic for the seasonality overrides are changed such that exact matches to a particular season code are favored over wildcard (%) matches at any given level. This prevents the incorrect behavior of "cascading" overrides. This better matches the escalation logic typically employed in the APC lookups.

**15294** – LoadCalendars error: updating column `calendar_qtr` when the calendar with a fiscal year starting at the end of March has been corrected. The `LoadCalendars.java` now returns one row with the correct value.

**15402** – The `dbpropertiesinstaller.sh` script has been upgraded to support the Oracle RAC database.

**15453** – In the User Profile screen in User Management, the correct access for the hierarchy/worksheet combination now displays.

**16029** – When a user selects Seasonality Management from the Main Menu, the "waiting for data" message and the wait icon no longer display after the Seasonality page opens when there is not curve to display.

**16068** – The Oracle 11.2 DB initial parameter `recyclebin` must be set to OFF for MDO deployment.

**16172** – The following default configuration changes have been made to the Promotion Popup window.

- Changes in `gridResurces.properties`:
  - Changed the label for the promo description metric to Promo Description (it is currently called Vehicle).
  - Changed the label for the price metric to Promo Price (it is currently called Offer).
  - Updated the labels for start date and end date.
- Change in `p4p-promo-details-grid.xml`:
  - Moved the Promo Pct Off metric right next to the Promo Price metric.

**16175** – A JDBC database connection leak in WebLogic DataSource `p4pgui DataSource` and interfering with the What-If work flow has been addressed.

**16176** – MDO no longer saves invalid changes when a user takes the 'Take What If Changes' action.

**16207** – Logging feature enabled for relevant tables to enable hot database backup.

**16317** – The RDM Schema now has an upgrade procedure.

**16408** – The `select * from cdw_version` returns the correct version of the MDO CD Image release ID.

## Known Issues

The following bugs are a known issues for this release.

**14259** – The Export to Excel feature of What-if shows \$ as the default currency for Chinese locale.

**15013** – A new parameter – DEFERRED\_SEGMENT\_CREATION – has been introduced in Oracle 11g R2. By default it is set to TRUE. When this parameter to set to false, the sequence id is generated correctly. It must be set to false.

**16523** – For all platforms (except AIX) the environment variables LD\_LIBRARY\_PATH and LD\_LIBRARY\_PATH\_64 must be set to the appropriate folder where the Calculation Engine is available prior to starting the CE or executing the weekly batch.

For example:

```
export LD_LIBRARY_PATH=<MDO Install Directory>/modules/Engine/lib/<architecture_
folder>:$LD_LIBRARY_PATH
```

```
export LD_LIBRARY_PATH_64=<MDO Install
Directory>/modules/Engine/lib/<architecture_folder>:$LD_LIBRARY_PATH_64
```

For AIX, the environment variable LIBPATH must be set before starting the CE or executing the weekly batch.

```
export LIBPATH =<MDO Install Directory>/modules/Engine/lib/<architecture_
folder>:$LIBPATH
```

**16536** – If a client uses OBIEE 10.1.3.4 (supported with MDO 13.2) with RDB schema on Oracle 11.2 (64-bit) they must also install the 32 bit libraries under ORACLE\_HOME/lib32 folder as OBIEE requires the 32 bit Oracle client libraries.

When using Oracle 11.2 (64-bit) with OBIEE, do the following prior to starting the OBIEE server:

- download and install Oracle 11.2 (32 bit) client in a temp location
- copy the lib folder under Oracle 11.2 (32 bit) client to ORACLE\_HOME/lib32 folder of 64-bit client.
- set the following environment variables:
  - \$ORACLE\_HOME=/full/path/to/ORACLE\_11.2(64) bit client
  - \$OBIEE\_HOME=/full/path/to/OBIEEhome/
  - \$LD\_LIBRARY\_PATH=\$ORACLE\_HOME/lib32:\$OBIEE\_HOME/server/Bin
  - \$SHLIB\_PATH=\$ORACLE\_HOME/lib32

**16722** – The cutoff date warning popup message causes HTTP 500 error in Polish locale due to incorrect translations. The user can refresh the browser to continue working with the application.

**Workaround:**

1. In p4pguiResources.properties, change:

```
p4pgui.whatIf.applyPerm.header.yes=Wybrane zmiany zostan\u0105 zastosowane do
{0,wyb\u00F3r,1# {0} prog. tow.|1< {0} prog. tow.}.
```

to

```
p4pgui.whatIf.applyPerm.header.yes=Wybrane zmiany zostan\u0105 zastosowane do
```

{0,choice,1# {0} prog. tow.|1< {0} prog. tow.}.

**2. In UserMessageResources\_pl.properties, change:**

p4pgui.worksheetcutoffwarning=Tygodniowy ostateczny termin nast\u0105pi za {0, wyb\u00F3r, 0#|1#1 min|2# {0} min} {1, wyb\u00F3r, 0#|1#1 s|2# {1} s}. Po tym czasie nie b\u0119dzie mo\u017Cna zapisywa\u0107 zmian.

to

p4pgui.worksheetcutoffwarning=Tygodniowy ostateczny termin nast\u0105pi za {0, choice, 0#|1#1 min|2# {0} min} {1, choice, 0#|1#1 s|2# {1} s}. Po tym czasie nie b\u0119dzie mo\u017Cna zapisywa\u0107 zmian.

### 3. In UserMessageResources\_pl.properties, change:

```
p4pgui.ForecastItemsDropped={0,wyb\u00F3r,-1# wszystkie towary|1#1 towar |2#{0}
towary} usuni\u0119to z oblicze\u0144 z powodu zbyt ma\u0142ej ilo\u015Bci
danych.
```

to

```
p4pgui.ForecastItemsDropped={0,choice,-1# wszystkie towary|1#1 towar |2#{0}
towary} usuni\u0119to z oblicze\u0144 z powodu zbyt ma\u0142ej ilo\u015Bci
danych.
```

**16692 and 16826** – Certain translations for the Croatian locale are incorrect (number formats).

#### **Workaround:**

For the Croatia locale, make the changes as listed below.

#### **CommonMessages\_hr.properties:**

```
cc.percentFormat.default=#0.00%
```

#### **formats\_hr.properties:**

```
PL_NUMBER_1=#,###.0
PL_NUMBER_2=# ###.0
PL_PERCENT_LONG=00.0000%
PL_PERCENT_SHORT=00.00%
```

#### **gridResources\_hr.properties:**

```
p4pgui.bigCurrency.column.format=\u00A4#,###
p4pgui.bigNumber.column.format=#,###
p4pgui.decimaldigits.column.format=###.###
p4pgui.forecastRow.markdownDollars.format=\u00A4#,###.00;(\u00A4#,###.00)
p4pgui.noDecimalPercent.column.format=0%
p4pgui.ratioDecimal.column.format=###.###
p4pgui.simpleDecimal.column.format=###.##
p4pgui.singleDecimal.column.format=#,###.0
p4pgui.singleDecimalPercent.column.format=0.0%
p4pgui.whatIfRow.adjGMDollarsCost.format=\u00A4#,###.00;(\u00A4#,###.00)
p4pgui.whatIfRow.discountDollars.format=\u00A4#,###.00;(\u00A4#,###.00)
p4pgui.whatIfRow.forecastTicketPrice.format=\u00A4#,###.00
p4pgui.whatIfRow.gMDollarsCost.format=\u00A4#,###.00;(\u00A4#,###.00)
p4pgui.whatIfRow.gMDollarsRetail.format=\u00A4#,###.00;(\u00A4#,###.00)
p4pgui.whatIfRow.inventoryDollarsCost.format=\u00A4#,###.00;(\u00A4#,###.00)
p4pgui.whatIfRow.inventoryDollarsRetail.format=\u00A4#,###.00;(\u00A4#,###.00)
p4pgui.whatIfRow.markdownDollars.format=\u00A4#,###.00;(\u00A4#,###.00)
p4pgui.whatIfRow.salesDollars.format=\u00A4#,###.00;(\u00A4#,###.00)
p4pgui.whatIfRow.whatIfPrice.format=\u00A4#,###.00
```

#### **p4pguiResources\_hr.properties:**

```
p4pgui.priceLadder.format.percentOff=##0.00%
p4pgui.priceLadder.format.pricePoint=\u00A4##0.00
```

## **Related Documents**

For more information, see the following documents in the Oracle Retail Markdown Optimization documentation set:

- *Oracle Retail Markdown Optimization Administration Guide*
- *Oracle Retail Markdown Optimization Configuration Guide*
- *Oracle Retail Markdown Optimization Implementation Guide*
- *Oracle Retail Markdown Optimization Installation Guide*
- *Oracle Retail Markdown Optimization Operations Guide*
- *Oracle Retail Markdown Optimization User Guide*

For more information about APC-MDO, see the following documents in the Oracle Retail Analytic Parameter Calculator for Markdown Optimization documentation set:

- *Oracle Retail Analytic Parameter Calculator for Markdown Optimization Configuration Guide*
- *Oracle Retail Analytic Parameter Calculator for Markdown Optimization Installation Guide*
- *Oracle Retail Analytic Parameter Calculator for Markdown Optimization Release Notes*
- *Oracle Retail Analytic Parameter Calculator for Markdown Optimization User Guide*

## **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](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.

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- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

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