Oracle® Retail Markdown Optimization

Release Notes

Release 13.1.3

January 2011

Welcome to Oracle Retail Markdown Optimization (MDO) Release 13.1.3.

This document contains the release notes for the MDO v13.1.3 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).

MDO 13.1.3 Build IDs:

Table 1 Package Matrix Build IDs

Component Name	Version Number
MDO 13.1.3	Price-13.1.3-242-201101200300-259736
Framework 3.1.3	Framework-3.1.3-128-201101190900-259705
Installer 3.1.3	Installer-3.1.3-130-201101190950-259705
Suite 3.1.3	Suite-3.1.3-129-201101190915-259705
Enginepkg 5.4.3	Enginepkg-5.4.3-219-201101191130-259705
APC-MDO 13.1.2	APC_MDO-13.1.2-152-200912220200-247175

Hardware and Software Requirements

For more information on the hardware and software requirements, see the *Oracle Retail Markdown Optimization Installation Guide.*

Upgrading to Markdown Optimization

For more information on upgrading to MDO Release 13.1.3, see the *Oracle Retail Markdown Optimization Installation Guide.*

Noteworthy Bug Fixes in this Release

The following bugs have been fixed in MDO Release 13.1.3:

16712 – The tables and indexes in NOLOGGING mode have been changed to LOGGING mode.

17072 – The Maintaining Merchandise view now supports configurations with more than 1000 worksheets. The module used to throw an error earlier for more than 1000 worksheets case.

17283 – The calculation has been fixed for the'Total Buy' metric in the case when a forecast for an item was not available.

17322 – The model start date calculation has been fixed for items with negative net sales in the beginning of life.

17391 – The message that was provided for What If in the situation when the item did not have a model run forecast due to insufficient data has been modified.

17392 – The MD_FLAG_VIEW metric (Markdown status of the item) now displays the correct value (instead of garbled characters) for an aggregated Merchandise Maintenance View.

17412 - In the Report Creation pop-up message, the spelling of "Optimization" has been corrected.

17416 – The issues with BRM rules deletion when the attributes are null has been fixed.

17716 – The proj_oh_units_eff_dt calculation when item is projected to be sold out before the week of effective date has been fixed.

18016 – The out-of-memory issue that occurred while processing a heavy load of small reports or a few large reports has been fixed. Two additional configuration properties have been added. See the section"Configuration Changes" for details.

Documentation Change

The special character ampersand (&) should be included in the list of special characters that are not permitted in the standard interface flat files (as described on page 2-2 of the *Oracle Retail Markdown Optimization Operations Guide*).

Configuration Changes

The following changes are for Reporting module (see **18016**.)

The MDO reporting module uses the application server JVM memory. The MDO report columns are configured based on XML file. Memory usage is directly proportional to the report size, which in turn depends on the number of columns and rows. An out-of-memory exception and a server crash can be mapped to the following scenarios.

- Creating a single large report.
- Running more than one report concurrently.

For the first issue, the maximum records in the report should be set based on the JVM memory available for reports.The maximum rows limit can be set in the relevant report xml file. An excerpt from the report xml:sample-md-analysis-report-1.xml present in $CONFIGROOT/Price/grids is shown below:

<report xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:noNamespaceSchemaLocation="../../../../CommonComponents/conf/Grid.xsd"

name="p4pgui.reports.sampleMDAnalysisReport1"
generator-class="com.profitlogic.pricefe.util.reports.appcommon.GenericP4PItemReportGenerator"

show-row-group-only="false"

show-report-header="true"

max-rows="40000"

zip-stream="false"

For the second issue, when more than one report is running in parallel, the total heap size used is the sum of the heap sizes used by each report.

The following two configuration parameters have been added to address this issue:

p4pgui.reports.concurrency = true

When this parameter is set to false, MDO processes one report at a time sequentially. This limits the heap size used by the reporting module. When this parameter is set to true (the default), all the pending reports are run in parallel. The heap size used depends on the number of reports running at that time and the number of records per report.

When this parameter is set to true, MDO processes the reports requests in parallel mode.

p4pgui.max.reports = 25

This parameter defines the hard limit for the number of pending report requests. Users requesting reports will be prompted to try again later when the number of pending requests reaches this limit. The default value is 25. Set this value depending on the heap size available for reports and the number of records per report.

Both the properties are defined in <MDOInstalledDirectory>/config/Price/config.properties and are commented by default.

Screen Message Modifications

The Impact/Usage of the configuration parameters are as follows:

- Set p4pgui.max.reports to a higher value and p4pgui.reports.concurrency=false.

  This setting is recommended when many large reports have to be processed.

  This can result in a increase in the time it takes to process the reports.

- Set p4pgui.max.reports to a higher value and p4pgui.reports.concurrency=true.

  This setting is recommended when a large number of small reports have to be processed quickly.

  This can result in an OutOfMemoryException. This setting is equivalent to the previous report module behavior.

- Set p4pgui.max.reports to a lower value and p4pgui.reports.concurrency=true.

  This setting is recommended when only a few small reports have to be processed.

  This can result in the "max report reached" alert message.

- Set p4pgui.max.reports to a lower value and p4pgui.reports.concurrency=false.

This setting is recommended when large reports have to be processed.

This can result in a "max report reached" alert message. It may be necessary to re-submit the report.

The messages that are displayed to the user during the processing of reports have been modified, as described below. The user sees the number of reports in the queue (if there are any) in the dialog box as well as the original message.

Scenario 1

If there are reports in the queue, the following message is displayed:

"This report is being submitted to the Oracle Retail Markdown Optimization report engine for generation. If you entered an email address a message will be sent to you when the report is ready for viewing.

<no of reports in queue> report/reports <is/are> in queue already. Would you like to continue?"

Scenario 2

When the user requests a report, but the number of reports in queue has reached the maximum limit, the following message is displayed:

"The maximum number of reports which can be processed are <no of running reports> and they are already running. Your request cannot be processed now. Please try later."

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