Oracle® Retail Markdown Optimization Release 13.1

Release Notes

July 2009

Welcome to Oracle® Retail Markdown Optimization (MDO) Release 13.1.

This document contains the release notes for the MDO 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`).

MDO 13.1 Build IDs:

Table 1 Package Matrix Build IDs

Component Name	Version Number
MDO 13.1	Price-13.1.0-146-200906241101-240421
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 MDO Release 13.1:

ORACLE

Supported Platforms

Table 2 Database Requirements for Markdown Optimization

Software	Requirement			
Database (64-bit)	Oracle Database 10*g* 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 *Oracle Database Licensing Information 10g Release 2*.			
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 for Markdown Optimization

Software	Requirement			
Application Servers	Oracle Application Server 10*g* Release 3 Patch Set 10.1.3.3 (32-bit)			Oracle Application Server 10*g* Release 3 Patch Set 10.1.3.3 (64-bit)
	Or			
	BEA WebLogic Server 10.0 MP1			
Database Client	Oracle Database 10*g* 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)

Margin Visibility

This feature provides visibility into the margin impact for mid-week pricing decisions made from What-If. By providing margin visibility for What-If scenarios, the users can compare the recalculated metrics against the model run forecasted metrics. The following configuration changes support this feature.

Changes to p4p-column-list.xml

The following changes have been made for MDO 13.1

Column Groupings

The following column groupings have been added for MDO13.1

```
<!-- COLUMN GROUPS -->
   <column-def>
          <key>MODEL_RUN_METRICS_COLUMN_GROUP</key>
          <column-def-properties groupId="GROUP_HEADER"
label="p4pgui.modelrun.metrics.group.column.label" group-
description="p4pgui.modelrun.metrics.group.column.label" orderable="true"
hideable="true" sortable="false"/>
    </column-def>
     <column-def>
          <key>CURRENT_METRICS_COLUMN_GROUP</key>
          <column-def-properties groupId="GROUP_HEADER"
label="p4pgui.cur.metrics.group.column.label" group-
description="p4pgui.cur.metrics.group.column.label" orderable="true"
hideable="true" sortable="false"/>
    </column-def>
<!-- End Column Groups -->
```

New Columns for Current Metrics (Items)

Internal Grid Name	Direct From DB or Grid Calculated	Source Table/View	Sourcing Details
curNextRecMDDate	Direct	p4p_display_items	CUR_PROJECTED_NEXT_MARKDOWN
curRecMDDollarsCost	Grid	p4p_display_items	(CASE WHEN PROCESS_AS_ITEM = 1 THEN RECOMMENDED_ITEM_FLAG ELSE RECOMMENDED_COLLECTION_FLAG END)*(NVL (CUR_PROJ_OH_UNITS_EFF_DT, 0) * UNIT_COST)
curTakenMDDollarsCost	Grid	p4p_display_items	CASE MARKDOWN_FLAG WHEN 0 THEN 0 ELSE NVL (CUR_PROJ_OH_UNITS_EFF_DT, 0) * UNIT_COST END
curProjOutDate	Direct	p4p_display_items	CUR_PROJECTED_OUT_OF_STOCK
curProjOnHandUnitsEffDt	Direct	p4p_display_items	CUR_PROJ_OH_UNITS_EFF_DT

Internal Grid Name	Direct From DB or Grid Calculated	Source Table/View	Sourcing Details
curProjSalesDollarsEOL	Grid	p4p_display_items	CUR_EOL_CUM_DOLLARS_SALES + CUMULATIVE_SALES_DOLLARS
curProjLifeRetail	Grid	p4p_display_items	CUMULATIVE_SALES_DOLLARS + CUR_EOL_CUM_DOLLARS_SALES
curProjSalesUnitsEOL	Grid	p4p_display_items	CUR_EOL_CUM_UNIT_SALES + CUMULATIVE_QUANTITY_SOLD
curProjSellThruEOL	Grid	p4p_display_items	(CASE NVL (CUMULATIVE_QUANTITY_SOLD,0)+ NVL (CUR_EOL_CUM_UNIT_SALES,0)+ NVL (CUR_ENDING_INVENTORY_UNITS,0) WHEN 0 THEN 0 ELSE (1-ROUND(CUR_ENDING_INVENTORY_UNITS/(NVL (CUMULATIVE_QUANTITY_SOLD,0)+ NVL (CUR_EOL_CUM_UNIT_SALES,0)+ NVL (CUR_ENDING_INVENTORY_UNITS,0)), 4)) END)
curProjSalesUnitsEOLandEIU	Grid	p4p_display_items	(NVL (CUMULATIVE_QUANTITY_SOLD,0)+ NVL (CUR_EOL_CUM_UNIT_SALES,0)+ NVL (CUR_ENDING_INVENTORY_UNITS,0))
curProjOnHandUnitsEOL	Direct	p4p_display_items	CUR_ENDING_INVENTORY_UNITS
curProjOnHandRtlDollarsEOL	Grid	p4p_display_items	CUR_ENDING_INVENTORY_UNITS * CUR_REC_RTL_MIN
curProjOnHandCostDollarsEOL	Grid	p4p_display_items	CUR_ENDING_INVENTORY_UNITS * UNIT_COST
curProjMarginDollarsEOL	Direct	p4p_display_items	CUR_PROJ_STD_EOL_GM_AMOUNT
curProjMarginPercEOL	Direct	p4p_display_items	CUR_PROJ_STD_EOL_GM_PERC

New Columns for Current Metrics (Groups)

Internal Grid Name	Direct From DB or Grid Calculated	Source Table/View	Sourcing Details
curProjSalesDollarsEOL Grp	Grid	p4p_display_items	CUR_EOL_CUM_DOLLARS_ SALES_C + CUMULATIVE_ SALES_DOLLARS
curProjSalesUnitsEOLGrp	Grid	p4p_display_items	CUR_EOL_CUM_UNIT_ SALES_C + CUMULATIVE_ QUANTITY_SOLD
curProjSellThruEOLGrp	Grid	p4p_display_items	(CASE NVL (CUMULATIVE_ QUANTITY_SOLD,0)+ NVL (CUR_EOL_CUM_UNIT_ SALES_C,0)+ NVL (CUR_ ENDING_INVENTORY_ UNITS_C,0) WHEN 0 THEN 0 ELSE (1-ROUND(CUR_ ENDING_INVENTORY_ UNITS_C/(NVL (CUMULATIVE_ QUANTITY_SOLD,0)+ NVL (CUR_EOL_CUM_UNIT_ SALES_C,0)+ NVL (CUR_ ENDING_INVENTORY_ UNITS_C,0)), 4)) END)
curProjOnHandUnitsEOL Grp	Direct	p4p_display_items	CUR_ENDING_ INVENTORY_UNITS_C
curProjOnHandRtlDollars EOLGrp	Grid	p4p_display_items	CUR_ENDING_ INVENTORY_UNITS _C* CUR_REC_RTL_MIN
curProjOnHandCostDollars EOLGrp	Grid	p4p_display_items	CUR_ENDING_ INVENTORY_UNITS_C * UNIT_COST
curProjMarginDollarsEOL Grp	Direct	p4p_display_items	CUR_PROJ_STD_EOL_GM_ AMOUNT_C
curProjMarginPercEOLGrp	Direct	p4p_display_items	CUR_PROJ_STD_EOL_GM_ PERC_C

Sample Entry for p4p-column-list.xml

```
<column-def>
    <key>curProjMarginDollarsEOL</key>
    <column-def-properties label="p4pgui.cur.projMarginDollarsEOL.column.label"
description="p4pgui.cur.projMarginDollarsEOL.column.description" db-table-
name="P4P_DISPLAY_ITEMS" db-column-name="CUR_PROJ_STD_EOL_GM_AMOUNT"
type="double" display-type="currency" filterable="true" sortable="true"
orderable="true" hideable="true" groupId="GROUP_HEADER"
format="p4pgui.bigCurency.column.format" composeable="true" editable="true">
      <function key="P4P_SUM"/>
    </column-def-properties>
  </column-def>
```

Changes to Grid XMLs

The grid XML files have been updated to use the column grouping of the projected forecast metrics.

Example

```
<column-group>
        <key>MODEL_RUN_METRICS_COLUMN_GROUP</key>
        <columngroup-properties
            resourced-label="true"
            group-description="p4pgui.modelrun.metrics.group.column.label"
            resource="false"/>
        <column>
          <key>projSalesDollarsEOL</key>
          <column-properties/>
        </column>
        <column>
          <key>projMarginDollarsEOL</key>
          <column-properties/>
        </column>
        <column>
          <key>projMarginDollarsEOLGrp</key>
          <column-properties/>
        </column>
        <column>
          <key>projOutDate</key>
          <column-properties/>
        </column>
        <column>
          <key>projOnHandUnitsEOL</key>
          <column-properties/>
        </column>
      </column-group>
      <column-group>
        <key>CUR_METRICS_COLUMN_GROUP</key>
        <columngroup-properties
            resourced-label="true"
            group-description="p4pgui.current.metrics.group.column.label"
            resource="false"/>
        <column>
          <key>curProjSalesDollarsEOL</key>
          <column-properties/>
        </column>
        <column>
          <key>curProjMarginDollarsEOL</key>
          <column-properties/>
        </column>
        <column>
          <key>curProjMarginDollarsEOLGrp</key>
          <column-properties/>
        </column>
        <column>
          <key>curProjOutDate</key>
          <column-properties/>
        </column>
        <column>
          <key>curProjOnHandUnitsEOL</key>
          <column-properties/>
        </column>
```

```
</column-group>
```

Database Changes

Note the following changes:

Changes to Database Objects

Object Name	Object Type	Description
ITEM_DATA	Table	New columns added for item current KPI metrics and item "Pricing Group" current KPI metrics.
ITEM_DATA_ARCH	Table	New columns added as in item_data table.
Archive Procedure	Java Procedure	No change.
Post Run	Procedure	New post model run step that executes new proc INIT_CURRENT_METRICS to initialize items' CURRENT columns with Model Run results or blank according to configuration.
P4P_ITEMS	View	New columns included from item_ data table.
P4P_DISPLAY_ITEMS	View	New columns included from item_ data table.
P4P_PARAMS	Table	No structure change. New parameters and shell scripts to load them have been added. A few existing parameters have been consolidated. A script needed to remove deprecated ones.
CALC_WHATIF_KPI	Procedure	A new procedure, similar to pma_ kpipkg_calc and pma_kpicpkg_calc, that calculates both item KPI metrics and collection KPI metrics for a whatif scenario.
INIT_CURRENT_METRICS	Procedure	This new procedure is called by post model run to either set current metrics to blank or model run value based on configuration.
RESTORE_CURRENT_METRICS	Procedure	New application calls to reset current metrics to either blank or model run value based on configuration.
CLEAR_CURRENT_METRICS	Procedure	New application calls to set current metrics to blank.
SET_CUR_METRICS_TO_MDLRUN	Procedure	New application calls to set current metrics to model run result.
POPULATE_CURRENT_METRICS	Procedure	New procedure that writes back from whatif screen to item_data table's current section.
WIF_KPI_TBL	Table	New table that stores whatif scenario KPI metrics calculated from the whatif forecast result.
P4P_MARKDOWN_STATUS_TBL	Table	No structure change. New status for "Defer Markdown".

Object Name	Object Type	Description
IR_WIF_ROLLUPS	View	New view that is equivalent to ir_ rollups to model run.
IR_WIF_PROJ_OH_UNITS_EFF_DT	View	New view that calculates PROJ_OH_ UNITS_EFF_DT for what-if case.
PURGE_WIF_DATA	Procedure	New procedure that cleans up what-if data.
WIF_DISPLAY_ITEMS	View	New view that is used by application to render what-if grid.
WIF_FORECAST_DATA	View	Existing view that has been changed due because the Engine now produces two rows, one for item level and one for group level when the setting is for Pricing Group dominance.
WIF_RESULTS_TBL	Table	Existing table that adds forecast_id to primary key.

New ITEM_DATA Columns

Table Column	Data Type
For Items	
CUR_PROJECTED_NEXT_MARKDOWN*	Date
CUR_PROJECTED_OUT_OF_STOCK*	Date
CUR_PROJ_OH_UNITS_EFF_DT	Number
CUR_EOL_CUM_DOLLARS_SALES	Number (22,3)
CUR_EOL_CUM_UNIT_SALES	Number (22,3)
CUR_ENDING_INVENTORY_UNITS	Number (22,3)
CUR_PROJ_STD_EOL_GM_AMOUNT	Number (22,3)
CUR_PROJ_STD_EOL_GM_PERC	Number (24,5)
CUR_REC_RTL_MIN*	Number (22,3)
For Pricing Groups	
CUR_EOL_CUM_DOLLARS_SALES_C	Number (22,3)
CUR_EOL_CUM_UNIT_SALES_C	Number (22,3)
CUR_ENDING_INVENTORY_UNITS_C	Number (22,3)
CUR_PROJ_STD_EOL_GM_AMOUNT_C	Number (22,3)
CUR_PROJ_STD_EOL_GM_PERC_C	Number (24,5)

*The corresponding metrics do not have a corresponding _C columns for groups.

ITEM_DATA_ARCH

The archive code requires exact columns in the ITEM_DATA_ARCH table (just like in ITEM_DATA). New columns should be added to this table.

P4P_ITEMS

This is an existing view that includes the new current metrics listed above.

P4P_DISPLAY_ITEMS

This is an existing view that includes the new current metrics listed above.

WIF_KPI_TBL

This is a new table that stores KPI metrics for the What If scenarios.

Table Column	Data Type
SCENARIO_ID	Number (32)
ITEM_ID	Number (32)
FORECAST_ID	Number (32)
COLLECTION_FORECAST_ID	Number (32)
For Items	
PROJECTED_NEXT_MARKDOWN	Date
PROJECTED_OUT_OF_STOCK	Date
PROJ_OH_UNITS_EFF_DT	Number
EOL_CUM_DOLLARS_SALES	Number (22,3)
EOL_CUM_UNIT_SALES	Number (22,3)
ENDING_INVENTORY_UNITS	Number (22,3)
PROJ_STD_EOL_GM_AMOUNT	Number (22,3)
PROJ_STD_EOL_GM_PERC	Number (24,5)
REC_RTL_MIN	Number (22,3)
For Pricing Groups	
EOL_CUM_DOLLARS_SALES_C	Number (22,3)
EOL_CUM_UNIT_SALES_C	Number (22,3)
ENDING_INVENTORY_UNITS_C	Number (22,3)
PROJ_STD_EOL_GM_AMOUNT_C	Number (22,3)
PROJ_STD_EOL_GM_PERC_C	Number (24,5)

P4P_PARAMS

Two new configuration parameters have been added to this table. These are used to populate and update the What If metrics. These configuration points are implemented by seeding the default value into P4P_PARAMS. This can be edited directly using SQL or by using the script plsetcurrentmetricsparams.sh. The seed.sql file in PMASchema includes the sql. A patch is available for upgrading. Note that for the current set metrics, in the case of What If, the value for the current metrics is always re-calculated.

SetCurrentMetricsNotTakenBlank. This configuration point is used to determine whether the initial values of the current metric in ITEM_DATA are seeded with Model Run metric values (the default) or left blank (Not Taken).

SetCurrentMetricsOtherBlank. This configuration point is used when the user takes a markdown that differs from the recommended markdown. In such a case the current metrics should default to either the Model Run metrics or to blank.

Parameter	Values
SetCurrentMetricsNotTakenBlank	Seed with Model Run results = 0 Seed with blank = 1
SetCurrentMetricsOtherBlank	Reset with Model Run results = 0 Reset with blank = 1

P4P_ITEMS

This is an existing view that included new current KPI metrics from ITEM_DATA.

P4P_DISPLAY_ITEMS

This is an existing view that includes new KPI metrics.

P4P_MARKDOWN_STATUS_TBL

A new status has been added for Defer Markdowns:

```
insert into p4p_markdown_status_tbl (MARKDOWN_STATUS_ID, DESCRIPTION_KEY) values
(-1, 'p4pgui.markdownStatus.defer')
%{YA_TD}%
```

IR_WIF_ROLLUPS

This new inference rule calculates roll-up metrics from WIF_KPI_TBL and ITEM_DATA for What If.

It only contains the metrics PROJ_STD_EOL_GM_AMOUNT, PROJ_STD_EOL_GM_PERC, PROJ_STD_EOL_GM_AMOUNT_C and PROJ_STD_EOL_GM_PERC_C.

It contains key columns such as ITEM_ID, SCENARIO_ID, FORECAST_ID, SUBMITTAL_WORKSHEET_ID, COLLECTION_FORECAST_ID.

IR_WIF_PROJ_OH_UNITS_EFF_DT

This new inference rule is used to calculate the PROJ_OH_UNITS_EFF_DT metric for What If. It calculates projected on hand units as of the item's effective date for use in what-if scenarios. It is not calculated for pricing groups.

WIF_DISPLAY_ITEMS

This new view is used to populate the What If grid. It requires scenario_id and item_ids in order to retrieve the What If KPI metrics. If these metrics are not available, the model run KPIs are displayed instead. Each item will have one row. This view also incorporates item comments from P4P_ITEM_COMMENTS.

WIF_FORECAST_DATA

In this release, if an item belongs to a pricing group and Item Dominance is configured, then WIF_FORECAST_DATA has forecast information for the item.

WIF_RESULTS_TBL

If an item belongs to a pricing group, forecast_id is added to the primary key in order to handle two forecast results for that item.

Stored Procedures

Here is a list of the new stored procedures.

- POSTRUN – In load.statements.sql, the init_wif_metrics procedure is called as a post run step. It initializes the What If metrics in ITEM_DATA based on the setting for SetCurrentMetricsNotTakenBlank.
- CALC_WHATIF_KPI – This procedure is used to calculate What If KPI metrics for the UI. these metrics are based on the recalculated forecast results from the most recent What If scenario.
- INIT_CURRENT_METRICS – This procedure restores current metric values for the UI according to SetCurrentMetricsOtherBlank.
- CLEAR_CURRENT_METRICS – This procedure is used by the UI and the model run to null out current metrics in ITEM_DATA.
- SET_CUR_METRICS_TO_MDLRUN – This procedure is used by the UI and the model run to set current metrics to the model run results in ITEM_DATA.
- POPULATE_CURRENT_METRICS – This procedure writes What If metrics to ITEM_DATA.
- PURGE_WIF_DATA – This procedure purges What If data that is associated with a user.

New Configuration Points

These configuration points are used to populate and update What If metrics.

SetCurrentNotTakenBlank

See above section on P4P_PARAMS for detail.

SetCurrentMetricsNotTakenBlank

See above section on P4P_PARAMS for detail.

Change to config.properties

The configuration of Item/Pricing Group dominance has been changed. The properties pricefe.whatif.itemDominant and pricefe.otb.itemDominant have been removed. They have been replace by a single property: pricefe.systemwide.itemDominant, which is used to configure both What If and OTB.

User Management

The bulkloader.sh script now accepts a hashed password.

Here is an updated list of roles and actions.

Table 4 UM Roles and Actions

Role	Default Action
PRICE_APPROVER	PRICE_APPROVE
PRICE_SUBMITTER	PRICE_SUBMIT PRICE_COMMENTS_EDIT

Table 4 UM Roles and Actions

Role	Default Action
PRICE_USER	PRICE_MARKDOWNS_VIEW PRICE_MAINTAINING_MERCHANDISE_VIEW PRICE_BRM_VIEW PRICE_USER_PROFILE_VIEW PRICE_REPORTS_VIEW PRICE_GUARD PRICE_ITEM_INFO_VIEW
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

Audit

The audit feature tracks all changes to the worksheet and store the history in an audit table.

In order to disable the auditing feature for worksheet status, add MDO_WS_GROUP to the property as follows:

```
audit.groupname.excluded=USER_GROUP,USER_LOGIN_GROUP, MDO_WS_GROUP
```

In order to disable the auditing for remote services users, add COS_GROUP to audit.groupname.exclude.

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.

UI Changes

Note the following changes:

- Item and Worksheet Comments – this feature allows users to add comments regarding their markdown decisions to a worksheet or to individual items within a worksheet. Depending on their permissions, other users can read or edit these comments.
- Margin Visibility – if a user decides, based on the specified scenario variables, to take a markdown from What If, the results of the pricing decision are viewable against the overall gross margin using the View Worksheet Metrics option of What If. Current Metrics can be seen on Markdown grids.
- Quick Filters – Items can be filtered by region, hierarchy, or unique combination of hierarchy numbers.

What If Inventory Spread

In p4pgui-config.xml an optional configuration for what-if-params and optional attributes for spreadCurrentInventoryUnits (which spreads the inventory unit across items) and roundInventoryWhenSpreading have been added.

Seasonality Override Sorting

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

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

Web Service 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 MDO Database.

What If Sendbacks

What-If can now optionally provide the sendback date of items to the sendback process so that the Markdowns are applied on sendback date (which may be before the effective date of item).

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 MDO 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.

8340 –A missing join in a sql query in ir_markdown_calendar in ir.sql has been fixed.

9967 – The max-result-set-rows setting in p4pgui-config.xml is set default for all grids and works for the item worksheet grid and the maintaining merchandise grid.

10707 –The not all variables bound error has been fixed. This has been resolved with the Oracle 10.2.0.4 upgrade.

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.

10919 – Data shows up correctly when scrolling and sorting on columns on the right side of the grid that are not initially visible to the user.

10948 – The error on Item Worksheet when taking markdowns has been fixed.

11059 – Details regarding flexible clustering information has been added to the Operations Guide.

11117 – The Flexible Clustering: LoadMerchCluster procedure is capturing errors to the ASH_*x*.Bad table.

11570 – The What If GM$ metrics should be: The What If GM$ metrics should be: Gross Margin $ (GM $) = Sales $ - (Unit Cost * Total Units).

Gross Margin % (GM %)= GM $/Sales $.

Adjusted Gross Margin $ (Adj GM $)= Sales $ - (Unit Cost * Total Units) + Residual

Value of unsold units - Cost of unsold units.

Adj Gross Margin % (Adj GM %)= Adj GM $/Sales $.

Also, unlike Adj GM metrics, GM metrics are available on a weekly and monthly basis.

12333 – The Installation Guide now documents that separate hosts are not required for MDO 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.

12562 – When the user sorts on any metrics, the application grid now loads correctly. The frozen columns are displayed correctly and the screen does not shift back to the left on the worksheet.

12660 – Problems loading items in a clustered environment has been fixed.

12675 – The problems that occurred after loading items - the item location to merchandise mapping in ASH_ITEM_TBL not matching the cluster mapping defined in the cdw_merch_cluster_xref_tbl - has been fixed.

12780 – The problem regarding the translation of the option (select action) to Portuguese for the first drop-down in the section "Remove items from the pricing group" in Editing Pricing Group has been fixed.

12782 – Changing the sort order no longer causes the grid to go blank momentarily.

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 as 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.

12960 – The default maximum visible columns setting has been increased.

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.

13085 – The Show Recommended Forecast pop-up on the Worksheet Summary page no longer comes up blank if there is at least one worksheet among those selected that has dates that do not have forecasts associated with them.

13092 – The following problem has been fixed: LoadInternalBizRules caches PLANNED_START_DATE for use by the LoadModelStartDate procedure and it caches OUT_DATE (which is often used in front end eligibility). However, OUT_DATE is often created based on the Model Start Date.

13101 – In the What if Monthly Summary, the data is now aggregated by Week Start or Fiscal Month.

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.

13263 – The Installation Guide no longer mentions price.sql file (which is not included on the CD image).

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.

13370 – References to CDW have been removed form the Configuration Guide. P4P_ITEMS has been replaced with P4P_DISPLAY_ITEMS as appropriate.

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.

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.

10927 – LoadItems is not nulling columns in items_tbl.

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. Use the PriceAdmin command from all the servers in the cluster to enable/disable logins.

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 MDO 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

13572 – When we export to Excel, worksheets and worksheet summaries, the header information and the cutoff date that are displayed in the header are not included in the Excel spreadsheet.

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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:

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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

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