

Oracle® Retail Promotion Intelligence and Promotion Planning and Optimization

Release Notes

Release 13.1.1.2

November 2009

Welcome to Oracle Retail Promotion Intelligence and Promotion Planning and Optimization 13.1.1.2.

This document highlights the enhancements and defect fixes included in this release. It also describes how you can upgrade to this release. It includes the following sections:

- [Functional Enhancements](#)
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Build IDs:

- Promote-13.1.1-205-200911150413-245987
- PCE-13.1.1-193-200911150403-245987
- Installer-3.1.0-63-200908252150-242966
- Suite-3.1.0-62-200908252115-242966
- StoreSets-3.1.0-62-200908252135-242966
- Framework-3.1.0-61-200908252100-242966

Functional Enhancements

This release of Promotion Planning and Optimization introduces the following new features:

- [What-If Screen](#)
- [Health Check and Monitoring](#)
- [Page Location in the Hover Text for the Versions Field](#)

What-If Screen

For an offer, the Performance & What-If tab has now been updated to display only the current scenario by default. Users can now work with the current scenario and only add a what-if scenario when needed. Users can add up to nine what-if scenarios using the Add button.

By retaining just the current scenario, users who want to work with the current scenario no longer need to generate and forecast three scenarios (previously, current scenario and two what-if scenarios). This improves the performance of the application.

Note: Although the attributes listed may be identical to those in the current offer, they are not pushed to the what-if scenarios when a change occurs in the current offer.

Health Check and Monitoring

The Health Check and Monitoring feature provides a set of database tables and a framework to run user-defined SQL scripts or reports that can perform a non-intrusive health check on the data being used in the application. The scripts can be set up to run at different intervals and provide pro-active recognition and investigation of many issues that could otherwise lead to poor system performance or abnormal results.

Based on the health check conditions you set up, the application database is monitored and the health check results are stored to the database (separate database tables dedicated for this feature). You can then consolidate and extract the results in a health check report that can be shared with the relevant users.

To use the Health Check and Monitoring feature:

1. [Set up Health Check Conditions.](#)
2. [Load Conditions to the Staging Tables.](#)
3. [Load Data from Staging Tables to the Target Tables.](#)
4. [Run the Health Check Monitor and Generate the Report.](#)

Set up Health Check Conditions

You must first set up the health check conditions you want to monitor in the application database. The Promotion Intelligence and Promotion Planning and Optimization installation includes the following sample files that will help you create conditions based on your specific need:

- **bee_hc_monitor_hdr.txt** – This file is used to provide the header details corresponding to the checks that will be executed (as set up in the **bee_hc_monitor_dtl.txt** file).

- **bee_hc_monitor_dtl.txt** – This file is used to provide the corresponding SQL statements that will be used to validate the health checks.

Both files are inter-related and must be set up accurately to use the Health Check and Monitoring feature. These files are available at the following location in the application installation directory:

```
.\modules\pce\sample\hc
```

Note: In the **bee_hc_monitor_dtl.txt** file, the *SELECT* statements must include three columns with the following aliases:

- *Dtl1* – Column used mainly to retrieve the primary keys of the rows failing the check. It can be composed of many values and fixed strings, must not exceed 100 characters.
- *Dtl2* – Column to be used to provide more information related to the rows that failed the check, such as names, actual dates, description, and so on. This column must not exceed 200 characters.
- *Row_order* – This column will be usually generated internally by the *SELECT* statement doing the check and indicates the order in which the rows must be presented in the health check report.

The "\n" character at the end of each row on the SQL statement is used to preserve the format by line. The *SELECT* statement will be saved to the database preserving each line.

Load Conditions to the Staging Tables

Load the conditions to the staging tables using the following steps:

1. Navigate to the following location in the application installation directory:

```
./modules/Database/BEECHSchema/install/oracle/BEECHSchema/scripts
```

2. Run the **pl_stage_promote.sh** script using the following command syntax:

```
bash pl_stage_promote.sh <application_install_directory>/config  
promote_plexports.sh <application_install_directory>/modules/Database/  
BEECHSchema/install/oracle/BEECHSchema/controlfiles  
<application_install_directory>/modules/pce/sample/hc/bee_hc_monitor_hdr.txt  
<application_install_directory>/modules/pce/sample/hc/bee_hc_monitor_dtl.txt
```

Note: Although the command above appears in multiple lines, ensure that it is entered in one single line.

Load Data from Staging Tables to the Target Tables

Load the data from the staging database tables to the target database tables using the following steps:

1. Navigate to the following location in the application installation directory:

```
./modules/Database/BEECHSchema/install/oracle/BEECHSchema/scripts
```

2. Run the **pl_load_hc.sh** script using the following command syntax:

```
bash pl_load_hc.sh <application_installation_directory>/config promote_  
plexports.sh
```

Note: Before proceeding to the next step, ensure that this process completes with no errors.

Run the Health Check Monitor and Generate the Report

Run the health check monitor and generate the report using the following steps:

1. Navigate to the following location in the application installation directory:

```
./modules/Database/WALNUTSchema/install/oracle/WALNUTSchema/scripts
```

2. Run the **pl_hc_process.sh** script using the following command syntax:

```
bash pl_hc_process.sh [configRoot] [paramFile] [logDir] [outDir] [outputFile]
[executionType]
```

- [configRoot] – Location (using relative path) where the properties files are located.
- [paramFile] – Name of the file containing the required parameters to run the shell.
- [logDir] – Location where the log files will be created.
- [outDir] – Location where the report files will be created.
- [outputFile] – Base name of the file that will be used to store the Health Check report.
- [executionType] – (H)ourly, (D)aily, (W)eekly or (M)onthly.

For example,

```
bash pl_hc_process.sh <application_installation_directory>/config promote_
plexports.sh ../log ../log hc_report W
```

Deleting the Old Health Check Executions

To delete the old health check executions:

1. Navigate to the following location in the application installation directory:

```
./modules/Database/WALNUTSchema/install/oracle/WALNUTSchema/scripts
```

2. Run the **pl_hc_delete_logs.sh** script using the following command syntax:

```
pl_hc_delete_logs.sh [configRoot] [paramFile] [run_id] [exec_date]
```

- [configRoot] – Location (using relative path) where the properties files are located.
- [paramFile] – Name of the file containing the required parameters to run the shell.
- [run_id] – The process will delete all executions prior to this value.
- [exec_date] – The process will delete all executions prior to this date.

Implementation Considerations

It is recommended that you take note of the following implementation considerations:

- The health check process will dynamically execute SQL statements saved in the database. When the health check conditions are set up, ensure and validate that only SELECT statements are executed. Statements other than SELECT (DML or DDL statements) will be considered invalid and cause the health check process to fail.
- SQL statements, command line instructions, and shell scripts used in this health check process will be executed as they are provided. It is important to make sure the commands and statements are valid and can be executed by the health check monitor.
- When the health conditions are set up, it is recommended that each one of the statements execute in an optimal manner. Since many database objects may contain large number of rows, it is recommended that the SQL statements should read from the data dictionary instead of accessing the tables.
- The execution of this process should require minimal system resources and cause no interference with the regular application work.

Sample Health Check Report

The following example shows a sample health check report:

```
Promote Health Check Report
Run Id:          41
Check Id:        19 - LOW_DB_SPACE
Database tablespaces running out of space
Execution Star Time: 10/22/09 14:01:56 End Time: 10/22/09
14:01:56

Tablespace: *DATA_01      DB Space Used:      13,677.19Gb (95.23%), Space
Free:                    684.56Gb (4.77%)

Tablespace: *INDEX_01    DB Space Used:      8,455.63Gb (95.02%), Space
Free:                    442.88Gb (4.98%)

Promote Health Check Report
Run Id:          40
Check Id:        2 - MISSING_SALES
Missing sales transaction weeks
Execution Star Time: 10/22/09 14:01:47 End Time: 10/22/09 14:01:47

Period Id: 1176      Missing sales data for week: 1176 (20-APR-03 - 26-APR-03)
Period Id: 1177      Missing sales data for week: 1177 (27-APR-03 - 03-MAY-03)
Period Id: 1178      Missing sales data for week: 1178 (04-MAY-03 - 10-MAY-03)
Period Id: 1179      Missing sales data for week: 1179 (11-MAY-03 - 17-MAY-03)
Period Id: 1180      Missing sales data for week: 1180 (18-MAY-03 - 24-MAY-03)
Period Id: 1181      Missing sales data for week: 1181 (25-MAY-03 - 31-MAY-03)
```

Page Location in the Hover Text for the Versions Field

For a scenario in the Performance & What-If tab, you can now choose to include the page location in the hover text for the *Versions* field. Page location is a user-defined attribute that appears based on the values you set for the versions and vehicle attributes in the *promoteResources.properties* file. The following set of configuration parameters have been added:

- The following parameters enable you to specify the separators for the attributes that will appear in the hover text:
 - *label.promotion.whatIf.modifyTooltip.attributeValueSeparator*
 - *label.promotion.whatIf.modifyTooltip.nameSeparator*
 - *label.promotion.whatIf.modifyTooltip.objectSeparator*
 - *label.promotion.whatIf.modifyTooltip.attributeSeparator*
- The following parameters enable you to show or hide attributes. In the case of overrides, the attributes will not appear when there is no value specified for a version:
 - *label.promotion.whatIf.modifyTooltip.versions.showOffer*
 - *label.promotion.whatIf.modifyTooltip.versions.showVendorDealAmount*
 - *label.promotion.whatIf.modifyTooltip.versions.showUserLocationCount*
 - *label.promotion.whatIf.modifyTooltip.versions.showDemandDrivers*
 - *label.promotion.whatIf.modifyTooltip.vehicles.showDemandDrivers*

Note: Enabling this feature may result in slower page display and refresh times.

Upgrading to Promotion Intelligence and Promotion Planning and Optimization

Note: This release supports upgrading from version 13.0.4 only.

Note: The upgrade process will remove any custom views in the database. View configurations are not maintained.

Note: Customizations to configuration files (*kde.properties*, *kde_local.properties*, *promote.properties*) are not preserved. All of these files should be backed up before proceeding.

Complete the following steps to upgrade:

1. Create a backup of the database accounts.
2. Back up the PCE configuration files from *\$PCE_HOME/etc*.
3. Back up the PPO configuration files from *\$installdir/config/*

4. Back up the mdc/scripts and mdc/operations directories.
5. Edit the install.properties file and ensure that all properties are set as follows:
 - *db.oracle.create=no
 - *db.oracle.upgrade=yes
6. Stop and then re-start the application servers.
7. Run the installer.
8. Stop and then re-start the application servers.
9. Update/merge the mdc/scripts, mdc/operations, and mdc/data files.
10. Merge/reconcile changes to the following configuration files:
 - VersionsExportTemplate.xslt
 - promoteResources.properties
 - promote.log4j.properties
 - promote.properties
11. Manually reconcile the \$PCE_HOME/etc/kde_local.vars file with the backed-up version. Do the same for \$PCE_HOME/etc/kde.properties, \$PCE_HOME/etc/mdc_local.vars, \$PCE_HOME/etc/jvm_arg.vars, \$PCE_HOME/etc/model_config.xml, \$PCE_HOME/etc/*.log4j.properties, and \$PCE_HOME/etc/pceserver.log4j.properties. The upgrade will not preserve the customization.
12. Run the following mdc scripts:
 - ~/mdc/scripts/1.base_config/7.views/duit.sh

Post-Installation Tasks

The following steps must be performed after the installation process is completed:

- Run Market Basket Summaries again.
- Complete the following steps to support K-Nearest Neighbors (KNN) feature:
 1. Manually insert a row in the ASH_CP_TBL database table with the following data:
 - INTERSECT_NAME: AE_ANALYSIS
 - MERCHANDISE_LEVEL: SKU
 - LOCATION_LEVEL: COUNTRY
 2. Run the following external scripts:
 - 1.base_config/0.patches
 - 1.base_config/1.config_files
 - 1.base_config/2.promo_metadata
 - 1.base_config/7.views
 - 4.analyze_history/5.knn

Noteworthy Fixed Issues

The following issue has been fixed in this release:

Table 1 *Noteworthy Fixed Issues*

Internal Reference Number	Description
14545	<p>The configuration for the versioning feature (introduced in Release 13.1.1.1) was not honored by the application when a promotion was opened. This caused performance issues when users tried opening a promotion in an environment that had the versioning feature disabled.</p> <p>This issue has been fixed and the configuration for the versioning feature is now honored by the application.</p> <p>Note: When the versioning feature is disabled, the values under the <i>#Versions</i> column in the <i>Offers</i> tab will not appear with the link that provides more information on the relevant versions.</p>

Related Documents

For more information, see the following documents in the Oracle Retail Promotion Intelligence and Promotion Planning and Optimization documentation set:

- *Oracle Retail Promotion Intelligence and Promotion Planning and Optimization Installation Guide*
- *Oracle Retail Promotion Intelligence and Promotion Planning and Optimization Configuration Guide*
- *Oracle Retail Promotion Intelligence and Promotion Planning and Optimization Operations Guide*
- *Oracle Retail Promotion Intelligence and Promotion Planning and Optimization Implementation Guide*
- *Oracle Retail Promotion Intelligence User Guide*
- *Oracle Retail Promotion Planning and Optimization User Guide*
- *Oracle Retail Promotion Intelligence and Promotion Planning and Optimization Data Model*
- *Oracle Retail Promotion Intelligence and Promotion Planning and Optimization Licensing Information*

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- 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

Review Patch Documentation

If you are installing the application for the first time, you install either a base release (for example, 13.0) or a later patch release (for example, 13.0.4). If you are installing a software version other than the base release, be sure to read the documentation for each patch release (since the base release) before you begin installation. Patch documentation can contain critical information related to the base release and code changes that have been made since the base release.

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 (with the exception of the Data Model which is only available with the release packaged code):

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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Value-Added Reseller (VAR) Language

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