

Oracle® Retail Replenishment Optimization

Release Notes

Release 13.3.1

June 2012

Replenishment Optimization Overview

The primary goal of Replenishment Optimization (RO) is to harness the replenishment methods available in the client's replenishment system. To make best use of the available replenishment capabilities, RO recommends optimized replenishment parameters at the item/location level. The recommendations take into account sales volume, volatility, availability of forecast data, seasonality, client business rules and constraints, and financial objectives to determine the optimized values.

RO automatically monitors item/location demand and supply chain variables to determine optimal inventory for greatest return. It recommends replenishment settings, either automatically approving the changes or raising alerts; for example, alerting higher impact items. The optimal replenishment settings recommended by RO may be used to update Oracle Retail Advanced Inventory Planning (AIP) replenishment parameters or the retailer's legacy replenishment system.

The automated management of replenishment settings based on item/location selling characteristics ensures accurate replenishment and allows the user to focus on maximizing profit rather than the time consuming business of managing individual item/location level replenishment.

RO can help you address the following, which vary for every client:

- Improve service levels
- Reduce inventory
- Increase turns
- Maximize stock profitability

Note: Because RO uses the Oracle Retail Predictive Application Server (RPAS) platform, Oracle Retail recommends that you review the *Oracle Retail Predictive Application Server Release Notes* for fixed and known issues that may affect RO.

In addition, RPAS 13.3 and later releases have significant technical enhancements related to hierarchy management (such as integer indexing) that have an effect on the configuration and maintenance of RO. You must upgrade to key RPAS versions and complete the upgrade process as described in the chapter, "Patch Installation", in the *Oracle Retail Replenishment Optimization Installation Guide* before upgrading to a 13.3.1 RO domain.

Overview of Integrated Inventory Planning Suite

The Integrated Inventory Planning Suite consists of Demand Forecasting (RDF), Advanced Inventory Planning (AIP), Replenishment Optimization (RO), and Analytic Parameter Calculator Replenishment Optimization (APC RO) as a full-suite inventory management solution for retailers.

Upgrade Note

While not directly related to RO, the 13.3 Release of Oracle Retail Predictive Application Server (RPAS) has undergone a major change to simplify hierarchy administration. Full details of these changes are outlined in the 13.3 *Oracle Retail Predictive Application Server Release Notes*. Due to these changes, configuration updates have been made to RO, and you will need to perform additional steps to upgrade your RO domain, such as setting dimension sizes. The upgrade to RPAS 13.3 or later for this application includes a conversion process in addition to the normal upgrade process. Details are provided in the chapter, "Patch Installation" in the *Oracle Retail Replenishment Optimization Installation Guide*

Hardware and Software Requirements

See the *Oracle Retail Replenishment Optimization Installation Guide* for information about the following:

- Hardware and software requirements
- Oracle Retail application software compatibility information

Fixed Issues/Defects

The following table contains issues that have been fixed for the current release.

Defect Number	Fixed Issue/Defect
13553925	The RO scripts have script functions that call aliases (such as Mace) defined outside of the function. However, those aliases are not available from inside the script functions, causing the scripts to do nothing under certain circumstances. This issue has been corrected.
13609014	During the replenishment batch, if a measure is unexpectedly empty, the displayed warning is unclear. This issue has been corrected by modifying the error message to reflect the missing data
13610181	Unable to build the Security Administration workbook in the Fusion Client. This issue has been corrected.
13614044	When RO is configured for warehouses only, the wizard for the RO workbook template does not proceed and displays errors. This issue has been corrected.
13819662	The grouping expression fails if the equalizing matrix value is zero for some groups. This issue has been corrected by logging a warning and then continuing processing other groups.
13905664	Position query entries in the configuration template are imported in the configuration, causing duplicate or invalid position query entries. This issue has been corrected.
14008685	Error in log when running ro_replbatch_wh_localdomain.ksh. This issue has been corrected.

Known Issues

The following table contains known issues for the current release.

Defect Number	Known Issue/Defect
14232060	The domain build script is not calling ro_load_apcro_data.sh through the installer for the sample domain. The recommended work-around is to run ro_load_apcro_data.sh against the sample domain.

Related Documentation

For more information, see the following documents in the Oracle Retail Replenishment Optimization 13.3.1 documentation set:

- *Oracle Retail Replenishment Optimization Installation Guide*
- Oracle Retail Predictive Application Server documentation

For more information about the RPAS Fusion Client, see the 13.3.1 Oracle Retail Predictive Application Server documentation set.

For more information about RPAS and the ODI enabled integration, see the following documentation sets:

- Oracle Retail Enabled ODI Integration documentation
- Oracle Data Integrator documentation
- Oracle Retail Predictive Application Server documentation

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Licensing Note: This media pack includes a Restricted Use license for Oracle Retail Predictive Application Server (RPAS) - Enterprise Engine to support Oracle® Retail Replenishment Optimization only.

Value-Added Reseller (VAR) Language

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