

# Oracle® Retail Replenishment Optimization

Release Notes

Release 13.4

December 2012

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## 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

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**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 has significant technical enhancements related to hierarchy management (such as integer indexing) that have an effect on the configuration and maintenance of RO. You should closely review enhancements listed in the *Oracle Retail Predictive Application Server Release Notes*.

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## 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 Oracle Retail Predictive Application Server (RPAS) has undergone a major change to simplify hierarchy administration. Full details of these changes are outlined in the *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 for this application includes a conversion process in addition to the normal upgrade process. For instructions about upgrading RO, see the following sections in these Oracle Retail Guides:

Section	Guide
"Converting a Domain"	<i>Oracle Retail Replenishment Optimization Implementation Guide</i>
"Upgrade Process"	<i>Oracle Retail Replenishment Optimization Installation Guide</i>
"Upgrading and Patching Domains"	<i>Oracle Retail Predictive Application Server Administration Guide for the Classic Client</i> or the <i>Oracle Retail Predictive Application Server Administration Guide for the Fusion Client</i>

## Technical Enhancements

RO 13.4 includes the following technical enhancement.

### Batch Script Architecture (BSA)

All batch scripts that are developed and delivered as part of this application have been rewritten using the Batch Script Architecture. The Batch Script Architecture (BSA) is designed to provide a robust, enterprise-ready architecture for parallel process control, restart control, log consolidation, and dependency checks.

Functionally, the batch operability is enhanced by making it easier to diagnose and correct problems. Errors and exceptions are isolated (contained) within the domains in which they occur. Processing is designed to easily restart and proceed with execution. Parallel tasks are managed, logged, and checked for errors, to the same standard as non-parallel tasks.

### Oracle Retail Batch Script Architecture Implementation Guide

The Oracle Retail Batch Script Architecture Implementation Guide is new for this release. It documents the features and configuration details for implementing the Batch Script Architecture.

## 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.

<b>Defect Number</b>	<b>Fixed Issue/Defect</b>
11817878 13847806 13982523 14170470 14170506 14170544 14196457 14197169 14246294	RO has various scripting errors from these defects. With the transition to Batch Script Architecture, these issues have been corrected
13496786	A plug-in error occurs when trying to add a solution to a project that contains RO. This issue has been corrected.
14232060	Some APC-RO data is not loaded by the RO domain build script. This issue has been corrected.

## Related Documentation

For more information, see the following documents in the Oracle Retail Replenishment Optimization 13.4 documentation set:

- *Oracle Retail Replenishment Optimization Implementation Guide*
- *Oracle Retail Replenishment Optimization Installation Guide*
- *Oracle Retail Replenishment Optimization User Guide for the RPAS Classic Client*
- *Oracle Retail Replenishment Optimization User Guide for the RPAS Fusion Client*
- *Oracle Retail Batch Script Architecture Implementation Guide*
- Oracle Retail Predictive Application Server documentation

For more information about the RPAS Fusion Client, see the 13.4 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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