

# Oracle® Retail Replenishment Optimization

Release Notes

Release 16.0

December 2016

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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.

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## 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><br>or the<br><i>Oracle Retail Predictive Application Server Administration Guide for the Fusion Client</i> |

## 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

## Related Documentation

For more information, see the following documents in the Oracle Retail Replenishment Optimization Release 16.0 documentation set:

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

The following documentation may also be needed when implementing RO:

- *Oracle Retail Predictive Application Server Batch Script Architecture Implementation Guide*

## Supplemental Training on My Oracle Support

The following document is available on the My Oracle Support Web site. Access My Oracle Support at the following URL:

<https://support.oracle.com>

## **Transfer of Information (TOI) Material (ID 732026.1)**

Online training is available to Oracle supported customers at product release. These online courses provide release-specific product knowledge that enables your functional and technical teams to plan, implement and/or upgrade and support Oracle Retail applications effectively and efficiently.

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#### **Value-Added Reseller (VAR) Language**

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