

# Oracle® Retail Regular Price Optimization

Release Notes

Release 16.0.3

June 2018

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Oracle Retail Regular Price Optimization (RPO) assists retail price managers in pricing hard-line and grocery items. It is suited for long lifecycle items with infrequent price changes. It recommends permanent prices based on initial estimates of an item's total sales volume over a planning period and on price-related sales of items and related items.

RPO includes grouping in its pricing analysis because it considers cross-item elasticities; that is, RPO considers how price changes for one item may affect the sales volume of other items. Users can input objective functions and pricing constraints that define the optimization problem. Once these inputs are defined, the pricing optimizer recommends prices. Multiple scenarios can be created and evaluated side by side, and what-if analysis can be performed within the context of a pricing scenario. After analyzing the what-if results and recommended prices, the user can make a final decision to submit the recommended prices for the given set of merchandise items and locations.

RPO integrates with an application called Oracle Retail Analytic Parameter Calculator for Regular Price Optimization (APC-RPO). APC-RPO calculates self and cross-item elasticities, which RPO uses to make price recommendations. APC-RPO is a separate application with its own installer, but it is available as an additional component in the RPO installation media pack.

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**Note:** Because RPO 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 the RPO.

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## Upgrade Note

While not directly related to RPO, 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 RPO, and you will need to perform additional steps to upgrade your RPO 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 Predictive Application Server Installation Guide.

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**Note:** To enable Near Real Time execution of prices during the day between RPO and Oracle Retail Price Management (RPM), or another price execution solution, refer to the Hybrid Storage Architecture chapter in the 15.0 *Oracle Retail Predictive Application Server (RPAS) Administration Guide for the Fusion Client*.

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## Hardware and Software Requirements

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

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

## Noteworthy Defect Fixes

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

Affected Component	Fixed Issue/Defect	Defect Number
Workbook	Currently, the original price and competition price measures can not be refreshed in the Price Analysis workbook. This issue has been addressed by fixing the load and refresh rules.	27070027
Workbook	Currently, the item group changes done in the Price Analysis workbook apply to all scenarios. This has been changed such that item group linkage is scenario specific.	27338158
Workbook	The Item - Item Group Assignment View has been renamed to E. Item - Item Group Assignment Override View.	27348434
Measure	The Item No Touch Period measure in the price analysis workbook is writable, although it should be read only. This issue has been corrected.	27348480
Batch	When running full mode optimization, there are cases when wrong indexes cause the job to fail. This issue has been addressed by using correct indexes.	27369083

Affected Component	Fixed Issue/Defect	Defect Number
Calculation	Optimization on Max Margin yields recommendations (in terms of margin and revenue) that are worse than optimization on Max Revenue. This issue has been addressed by correcting the margin calculation.	27648235

## Related Documentation

For more information, see the following documents in the Oracle Retail Regular Price Optimization Release 16.0.3 documentation set:

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

The following documentation may also be needed when implementing RPO:

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

For more information about the Analytic Parameter Calculator for Regular Price Optimization (APC-RPO) application, see the Oracle Retail Analytic Parameter Calculator for Regular Price Optimization documentation set.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at

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