

Oracle® Retail Advanced Science Engine

Release Notes

Release 14.1

E59148-01

December 2014

This document highlights the major changes for Release 14.1 of Oracle Retail Advanced Science Engine.

Overview

Oracle Retail Advanced Science Engine (ORASE) is the centralized science engine that supports retail business processes by driving the analytics for both ORASE and for the Oracle Retail Assortment and Space Optimization (ASO).

ORASE performs data mining and develops analytical parameters to support business processes in Oracle Retail Category Management (RCM), Oracle Retail Demand Forecasting (RDF), and Oracle Retail Analytics (RA). It is comprised of Oracle Retail Assortment and Space Optimization (ASO), Customer Decision Trees (CDT), Demand Transference (DT), Advanced Clustering (AC), and Market Basket Analysis (MBA).

ASO provides a way for planners to inform their decisions about assortment rationalization and to perform Micro Space Optimization.

Hardware and Software Requirements

See the *Oracle Retail Advanced Science Engine Installation Guide* for the hardware and software requirements.

Functional Enhancements for Advanced Clustering

The functional enhancements below are included in this release.

Defect Fixes and Overall Product Stability

This release of Advanced Clustering focused on the resolution of a number of defects and improvements in the performance, overall stability, and reliability of the application.

Functional Enhancements for ASO

The functional enhancements below are included in this release.

Integration with Category Management

ASO provides near real-time, iterative, round-trip data integration with Category Management that leverages the RPAS Hybrid System Architecture. Automated

assortment mapping and expanded assortment approval and finalization capabilities are available.

Additional Outputs

ASO interfaces support the extraction of Planogram optimization results to the MSM system.

Visual Guidelines

The Visual Guidelines screen has expanded functionality for establishing multiple levels of horizontal and vertical product blocking that integrate with the shelf fixture analytics.

Fixture Change Capabilities

Enhanced fixture change capabilities include:

- The ability to modify shelf configurations in ASO
- The ability to add Bays, not just stretch existing Bays
- The ability for ASO to automatically create fixture configurations using bare minimum POG fixture data
- The ability to use POG height and depth, not just length, for space cluster definition

Demand and Replenishment Screen

A new Demand and Replenishment screen provides:

- The ability to call for a refresh of the underlying demand and replenishment parameters for a particular run
- The ability for a user to see the replenishment settings that are driving results
- The ability for a user to make overrides to a subset of these values
- Supporting BI options

Product Constraints Screen

The Product Constraints screen has expended functionality for using product attributes when creating and working with product attributes.

Demand Transference Integration

Demand transference integration and calculation enhancements have been made.

Product Stacking Height Improvements

Product Stacking Height improvements are available to load and update product-specific values and integrate them into the UI and the analytics.

Role-Based Security

The use of role based security for key functional operations has been expanded.

Style Changes

The use of the Oracle Retail Application Framework and the adherence to the RGBU Style Guide has been expanded.

Usability

Many screens and processes have received a collection of usability improvements, defect fixes, and minor enhancements that contribute to a better user experience and more predictable, intuitive UI behavior.

Note: This release does not include any functional enhancements for CDT or MBA.

Integration Enhancements

The integration enhancements described below are included in this release.

Integration with Advanced Inventory Planning (AIP)

DT now provides Demand Transference information to AIP. This allows for improvement in the use and applicability of substitution within AIP.

Technical Enhancements

The technical enhancements described below are included in this release.

Oracle Database 12c

ORASE 14.1 is supported for use with Oracle Database 12c (12.1). Version 11.2.0.4 is no longer supported.

Fusion Middleware 12c

ORASE 14.1 is supported for use with WebLogic Server and ADF 12c (12.1.3). WebLogic 10.3.6 and ADF 11.1.1.7 are no longer supported.

Web Browsers

ORASE 14.1 is supported for use with the following web browsers:

- Internet Explorer 11
- Chrome 28+

IE 8, 9, and 10 are no longer supported.

Noteworthy Defect Fixes for Advanced Clustering

The noteworthy defect fixes described below are included in this release.

Defect	Defect Number
In Performance Attribute clustering, sales data for some stores is incomplete or missing.	17782166, 18706080
Executing a scenario for store attributes generates only one cluster, regardless of the number of clusters set.	16281828
Based on the data availability, configuration to support hierarchy type and level needs to be configured in AC metadata.	18619813
The Graph View in Cluster Results does not refresh consistently for nested cluster definitions. Toggling back to Table View will help refresh the graphs.	18706684
There are inconsistencies with how numeric data or decimal numbers are displayed in Explore Data and in some graphs.	17999644
Various refresh issues occur in All Cluster Criteria, Scenario Results, Insights, and BI screens.	18158302, 18796021, 18923563, 18924099, 18947560, 18942250

Known Issues for Advanced Clustering

The known issues described below are included in this release.

Known Issue	Defect Number
The UI performance is slow when the user navigates in the Explore Data and Scenario Setup stages.	18559625
Copy Cluster Criteria does not copy the child clusters and their scenarios.	18495825
AC Overview in integrated CDM deployment should come as a tab next to CDT and DT and not as task link.	18077078
Export data from Explore Data screen show incorrect information.	18468812
Performance issues occur with contextual BI in Explore Data.	18729691
Attribute column sorting does not work in Explore Data. This also affects the drilling functionality within Explore Data.	19173924, 19178431

Known Issues for Demand Transference

The know issues described below are included in this release.

Known Issue	Defect Number
Marking Demand Transference Model by pressing the 'Complete' button on the fifth stage may not display the complete flag as 'Y' in the Manage DT tab. Suggested action: close and reopen the affected tab.	18322363

Known Issues for ASO

The known issues described below are included in this release.

Known Issue

The Export to Excel feature in the Results Analysis train-stop does not support pivot tables and has been deactivated. The Export to Excel feature does not function properly on all other screens.

Rounding for certain aggregate values will cause a variance between the sum of individual rows and the aggregate value.

The Assortment to POG mapping sorting functions may report an exception in certain scenarios.

The application does not prevent the simultaneous opening of the same run in two different windows in order to prevent data integrity issues that may otherwise occur.

Inconsistencies exist in how the application does or does not auto-select the first row of a master row or auto-refresh BI per the first row selection. In some cases, the handling of row persistence when navigating across screens requires extra steps to reselect certain values.

Some instances of automatic screen refreshing or flashing after certain row selections can occur.

Constraints do not automatically propagate across mixed fixture scenarios; they are applied to each fixture individually. For example, a 'choose exactly 5' group constraint is handled as a "choose exactly 5" for each fixture rather than "choose exactly 5" combined across the two fixtures.

The VPOG display's brightness does not always restore properly when multiple vpog windows are opened at once for toggling between windows.

The BI context area does not refresh correctly when multiple runs are open to the same train stop page. The first open run updates correctly but all others are not updated when a refresh event occurs. This is an issue with all of the BI panels that have refresh events.

The following Microsoft Fixit for stabilizing IE 11 is required to export with proper file types:

http://support.microsoft.com/mats/ie_performance_and_safety/

When two adjacent bays are merged, visual guidelines detail is not seen when a user hovers over the top of VPOG.

Sorting by primary block and then using Query by Example can produce an error in the Visual Guidelines screen.

The Assortment Mapping screen can produce an error (Micro-App installation only) in the Add Planogram pop-up and the Delete pop-up. Filtering the primary display table to limit the number of rows displayed may provide a workaround.

The Results Analysis train stop pivots do not show data when the Detach mode is selected.

HP-UX is not supported.

Using the Query by Example filter can result in an incorrect "Rows Selected" value inconsistent with the number of rows actually selected when the Query by Example filter is in effect. The Query by Example filter suspends selection of rows not visible after Query by Example, and so an update while it is in effect does not apply to rows selected before Query by Example was applied.

Translation: Not all labels and strings have been translated prior to Release 14.1.0. As a consequence, some screens and pop-ups may show some English words and phrases even though the application has been correctly configured to use a different language.

Related Documentation

For more information, see the following document in the Oracle Retail Advanced Science Engine 14.1 documentation set:

- *Oracle Retail Advanced Science Engine Implementation Guide*
- *Oracle Retail Advanced Science Engine Installation Guide*
- *Oracle Retail Advanced Science Engine Security Guide*
- *Oracle Retail Advanced Science Engine User Guide*
- *Oracle Retail Assortment and Space Optimization User Guide*

Supplemental Training on My Oracle Support

The following document is available through My Oracle Support. Access My Oracle Support at the following URL:

<https://support.oracle.com>

Release Readiness Transfer of Information (TOI) Recordings (Doc 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. Note that Oracle Retail products with minor updates often do not have an associated TOI.

Previous Releases

For additional information on previous Oracle Retail Advanced Science Engine release enhancements and additional information, refer to the Release Notes and documentation that accompany the previous release.

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

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