

Oracle® Retail Modeling Engine

Release Notes

Release 14.0.1

May 2014

The Oracle Retail Modeling Engine (ORME) is one application in the Oracle Retail Advanced Science Engine (ORASE) suite. ORASE is the centralized science engine that supports retail business processes by driving analytics for both ORME and for Oracle Retail Assortment and Space Optimization (ORASO, also known as ASO).

ORASE is architected in a modular fashion to serve as a centralized science engine supporting multiple solutions. Note that the applications within ORASE may be licensed separately.

ORME performs data mining and develops analytical parameters to support business processes in Oracle Retail Category Management, Oracle Retail Demand Forecasting (RDF) and Oracle Retail Analytics. The ORME 14.0 release is comprised of the following modules:

- Customer Decision Tree (CDT)
- Demand Transference (DT)
- Advanced Clustering (AC)
- Market Basket Analysis (MBA)

Hardware and Software Requirements

See the ORME Installation Guide for information about the following:

- Hardware and software requirements
- Oracle Retail application software compatibility

Applying the Patch Release

The ORME 14.0.1 patch release is a full release of the application code. Follow the instructions in the *ORME Installation Guide* to install the full product, including all defect fixes to date.

Functional Enhancements in Advanced Clustering

The functional enhancements below are included in this release.

Added Support for Multiple Hierarchies

The previous version of Advanced Clustering (AC) supported the selection of only one hierarchy type from the user interface (for example, Trade Area or Core Location

Hierarchy). This selection was made as part of the deployment configuration. In this release, AC now displays multiple hierarchy types for both location and merchandise. Users can select one of the hierarchy types from a drop-down list in the user interface.

User Interface Allows Viewing of All Cluster Levels

AC now allows the user to view all cluster levels without scenarios and definitions for the cluster criteria. The new user interface also provides the following:

- The user can drill from the parent to the child level cluster.
- The user can filter clusters at each level.
- The user interface aggregates data at each parent level.
- The user can export all clusters or a select group of clusters.

Usability Improvements in the Scenario Setup Screen

The Scenario Setup Screen received the following enhancements:

- The ability to select and deselect all attributes
- Query by example (QBE) search by attribute capability
- The ability to allocate equal or specific weights to selected attributes or to reset the attributes to the default weights

Technical Enhancements

The technical enhancements described below are included in this release.

Note: The following list announces the addition of Oracle Retail support for the technology described. See the Installation Guide requirements section for critical information, such as whether the enhancement below replaces previous versions or is supported in addition to already existing versions.

Oracle Database 11gR2 Enterprise Edition 11.2.0.4

ORME 14.0.1 is supported for use with Oracle Database 11gR2 Enterprise Edition 11.2.0.4. Version 11.2.0.3 is no longer supported.

Web Browsers

ORME 14.0.1 is now supported for use with the following web browser:

- Mozilla Firefox ESR 24

Noteworthy Defect Fixes

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

Customer Decision Tree (CDT)

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

Fixed Issue/Defect	Defect Number
When a user re-runs a CDT calculation and then approves the override of the previous result, a state can arise where the application reports that the calculation is already running.	17771898

Demand Transference (DT)

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

Fixed Issue/Defect	Defect Number
In the DT Data Filtering UI, the Relative Sales Distribution histogram shows null values as an extra column with a range 0.0-0.0. The null values come from the Baseline Sales table, which may contain null sales records for some weeks.	17792596
In the Manage Models task, in some rare cases, when a maximum substitutable demand percentage is being edited, the system may calculate a new value that is greater than the user-supplied value.	17843470

Advanced Clustering (AC)

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

Fixed Issue/Defect	Defect Number
Generate Store Clusters does not consistently generate the minimum number of clusters defined during setup.	17702253
Performance Attribute clustering fails for a scenario in which any attribute weight is set to 0.	17667660
In Manage Store Clusters, clusters with zero stores are not displayed.	16350862, 17627862

Known Issues

The Known Issues described below are included in this release.

Translations and UI Consistency

- Not all labels and strings were translated prior to the 14.0.1 Release. As a result, some screens and pop-ups may use some English words, even after the application is correctly configured to use a language other than English.
- The user may notice some inconsistencies in the display of the text, the pop-ups, and the placement of icons, both in the screens and in the ORME applications. Oracle strives for a consistent look and feel, and fixes are in development.

Customer Decision Tree (CDT)

Known Issue/Defect	Defect Number
Under some circumstances, attributes displayed in the Data Setup UI display a number instead of a name. This issue can occur when a new category selection is added manually.	17621210

Demand Transference

Known Issue/Defect	Defect Number
In the Manage Models task, the retention histogram item counts may differ slightly from the count of rows in the Detailed Data table. This issue can occur because of different degrees of data precision used by the histogram and the actual data.	17596073
Marking Demand Transference Model through pressing the 'Complete' button on the 5th stage might not display the complete flag as 'Y' in the Manage DT tab. Suggested action: close and reopen the affected tab.	18322363

Advanced Clustering (AC)

Known Issue/Defect	Defect Number
Executing a scenario for store attributes generates only one cluster, regardless of the number of clusters set.	16281828

Known Issue/Defect	Defect Number
In Consumer Segment attribute-based clustering, the clusters being generated are not named logically. The cluster names should be numbered sequentially, based on how many clusters have been created (for example, cluster_1, cluster_2, and so on); however, currently, the numbers are not assigned sequentially.	16281828
The UI performance is slow when the user navigates in the Explore Data and Scenario Setup stages.	18559625
In Performance Attribute clustering, sales data for some stores is incomplete or missing.	17782166
Copy Cluster Criteria does not copy the child clusters and their scenarios.	18495825
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 is displayed in Explore Data and in some graphs.	17999644

Related Documentation

For more information, see the following documents in the ORME documentation set:

- *Oracle Retail Modeling Engine Installation Guide*
- *Oracle Retail Modeling Engine User Guide*
- *Oracle Retail Advanced Science Engine Implementation Guide, Volume 1*
- *Oracle Retail Advanced Science Engine Implementation Guide, Volume 2*

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Value-Added Reseller (VAR) Language

Oracle Retail VAR Applications

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