

Oracle® Retail Merchandising System
Release Notes
Release 12.0.3

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Preface

A Release Notes document can include some or all of the following sections, depending upon the release:

- Overview of the release
- Functional, technical, integration, and performance enhancements
- Assumptions
- Fixed defects
- Known issues

Because of their brevity, Release Notes do not include chapters, appendixes, or a table of contents.

Audience

Release Notes are a critical communication link between Oracle Retail and its retailer clients. There are four general audiences for whom a Release Notes document is written:

- Retail clients who want to understand the contents of this release
- Integrators and implementation staff who have the overall responsibility for implementing Oracle Retail Merchandising System (RMS) in their enterprise
- Business analysts who want high-level functional information about this release
- System analysts and system operation personnel who want high-level functional and technical content related to this release

Related Documents

For more information, see the following documents in the Oracle Retail Merchandising System Release 12.0.3 documentation set:

- Oracle Retail Merchandising System Installation Guide
- Oracle Retail Merchandising System Operations Guide – Volume 1
- Oracle Retail Merchandising System Operations Guide – Volume 2
- Oracle Retail Merchandising System Operations Guide – Volume 3
- Oracle Retail Merchandising System Data Model
- Oracle Retail Merchandising System User Guide
- Oracle Retail Merchandising System Online Help

Customer Support

<https://metalink.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Conventions

Navigate: This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

Note: This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

This is a code sample
It is used to display examples of code

[A hyperlink appears like this.](#)

Release Notes

Overview

Oracle Retail Customer Support investigates submitted issues assuming that all release patches have been applied. While it is ultimately at the client's discretion when to apply patches, delays in their application can complicate the support process.

To assist in the patch review, Oracle Retail Customer Support provides a system-level assessment by assigning a priority. In addition, a cross-reference spreadsheet is provided to assist with this research. Please review the enclosed defect documents promptly to determine the impact to your business operations.

Before installing RMS 12.0.3, confirm that RMS 12.0 has been successfully applied. Refer to the patch documentation for detailed information on each fix.

As with all patches, the following points should be considered before applying RMS 12.0.3:

- Copy the original files to an archive directory before you overwrite them, in case they are needed later for reference.
- Note whether customizations have been made to the module. If so, the customizations need to be reapplied to the new version of the module, or the fix may need to be applied to the custom version of the code.

Defect Documentation

A defect fix is a modification to the base Oracle Retail code (for example, a bug fix, performance enhancement, or functional enhancement). Each defect fix included in this patch has a corresponding defect document titled <defect#> <module>.doc (for example, "123456 nxprcno.doc"). Defect documents should be fully reviewed before this patch is implemented. To assist with the patch application process, there is also a defect module cross-reference spreadsheet in the same folder as the defect fixes (DEFECT MODULE XREF RMS <version>.xls) that lists all defect fixes. Defect documents for each defect and module affected are also included. See defect documents for details.

Technical Enhancements

Oracle Enterprise Linux Release 4 Support

The Oracle Retail Merchandising product suite now supports the Oracle Enterprise Linux Release 4 (OELr4) platform with Oracle RDBMS 10.2.0.3.

The Merchandising products support OELr4:

- Retail Merchandising System (RMS 12.0.3)
- Retail Merchandising Sales Audit (ReSA 12.0.3)
- Retail Price Management (RPM 12.0.3)
- Retail Trade Management (RTM 12.0.3)
- Security Manager (RSM 12.0.2)
- Retail Allocations 12.0.3
- Retail Invoice Matching (ReIM 12.0.3)

Note: A 12.0.0 hot-fix (5985761) is required as a pre-installation step, in order to install Oracle Retail applications on Oracle Enterprise Linux Release 4.

Note: The Retail Integration Bus (RIB) is *not* certified on OELr4. RMS and RPM are supported on OELr4 when database-level integration is being used, rather than RIB integration.

Oracle RDBMS 10.2.0.2 Support

The Oracle Retail Merchandising product suite supports Oracle RDBMS 10.2.0.2 with the following operating systems:

- AIX (v5.2 and v5.3)
- Solaris (v9)
- HP-UX (v11.11)

Oracle Real Application Clusters (RAC) Support

With the 12.0.3 release, Oracle Retail Merchandising System (RMS) supports deployment in an Oracle Real Application Clusters (RAC) environment. Oracle RAC is a cluster database with a shared cache architecture that overcomes the limitations of traditional shared-nothing and shared-disk approaches, to provide highly scalable and available database solutions for all your business applications.

Oracle Application Server (OAS) Support

Oracle Retail Merchandising System (RMS) supports OAS 10.1.2.0.2.

Configurable Retail Integration Bus (RIB)

RMS and RPM can integrate through the RIB. Because both RMS and RPM reside on the same database, the RIB integration can add unnecessary processing overhead. This enhancement allows clients to configure their systems to either use the RIB, or to bypass the RIB for RMS-RPM integration. This configuration is controlled by the value of a parameter in the SYSTEM_OPTIONS table.

RPM bug number 5874951 is raised for this enhancement. This bug goes hand-in-hand with RMS bug number 5718852 when applying the patch; otherwise, RMS code will not compile because of missing tables and packages.

Data Conversion Toolset

A data conversion toolset to load the RMS tables is provided to assist with the implementation of Oracle Retail software. The data conversion tools assist the implementation team to do the following:

- Define flat file formats as APIs for legacy data
- Provide a detailed Operations Guide to help drive the data loading process

Data conversion load scripts are provided for the following functional areas within the Retail Merchandising System:

- Core
- Merchandise Hierarchy
- Organizational Hierarchy
- Suppliers
- Items (Hardlines, Fashion and Grocery)

Note: Load scripts assume clean data.

Seed and Demo Data update

A set of new seed and demo data scripts has been created for clients that choose to install on Oracle Enterprise Linux Release 4. The original seed and demo scripts have been re-written to provide:

- More realistic business data
- Completely separate seed from demo data, so that clients can more easily keep any non-essential data out of their production environments

These scripts and installation instructions have been included in **hot-fix 5985761**.

Functional Enhancements

Simplified Retail Trade Management (RTM)

RMS can be configured to run simplified RTM functionality by means of a new parameter, `RTM_SIMPLIFIED_IND`, which has been added to the `SYSTEM_OPTIONS` table. The RTM functionality is limited by checking the value of this parameter. When the value of this parameter is 'Y', all menu options that allow access to RTM-specific forms (both from the navigation tree and from within other RMS forms) are disabled, except for access to HTS and assessment forms. All validations that are based on the RTM import indicator are also modified accordingly. Also, RTM batch programs, with the exception of `htsupld`, are not scheduled to run when `RTM_SIMPLIFIED_IND` is 'Y'.

Dynamic display of folders and elements, based on system option indicators in the `RTKSTRT` form, was stripped because of performance reasons. The form now displays the folders and elements based directly on records in the `NAV_FOLDER` and `NAV_ELEMENT_MODE` tables. These tables are populated through the installation script that selects from the `NAV_FOLDER_BASE` and `NAV_ELEMENT_MODE_BASE` tables and filters the records to be inserted according to the `SYSTEM_OPTIONS` indicators.

Performance Enhancements

The following performance improvements were added for this release:

Defect 5747160

Performance of the queries involving `REPL_RESULTS` table was poor when joined based on `ORDER_NO`.

Defect 5901418

Users faced performance issues when creating items and packs.

Defect 5708811

The `hstprg` batch program had a hard-coded commit counter of 50000. This was creating performance bottlenecks in the customer environment.

Documentation Enhancements for Merchandising 12.0.3

The first release on the Merchandising level introduces the following new Oracle Retail end user documents:

- Merchandising Implementation Guide
- Merchandising Batch Schedule
- Merchandising Data Conversion Operations Guide

Note: There is no corresponding Merchandising level code release, and Oracle Retail has no plans to release code on the Merchandising level.

Merchandising Implementation Guide

The purpose of the Merchandising Implementation Guide is to provide a high-level view of how Oracle Retail Merchandising applications are implemented. The guide includes the following:

- An overview of each Oracle Retail Merchandising application
- Information that each Oracle Retail Merchandising application maintains
- How each Oracle Retail Merchandising application integrates with other Oracle Retail merchandising applications

This document addresses the following applications:

- Oracle Retail Merchandising System (RMS)
- Oracle Retail Sales Audit (ReSA)
- Oracle Retail Trade Management (RTM)
- Oracle Retail Price Management (RPM)
- Oracle Retail Security Manager (RSM)
- Oracle Retail Invoice Matching (ReIM)
- Oracle Retail Allocation
- Oracle Retail Active Retail Intelligence (ARI)

Merchandising Batch Schedule

The Merchandising Batch Schedule document combines and integrates the batch schedules of Merchandising applications. A single reference now provides the following information for system operators, analysts, integrators, and implementers:

- A listing of all batch programs for the Merchandising applications. For each batch program, the list includes the processing phase in which it runs, its pre- and post-dependencies, and its run parameters.
- An integrated batch schedule diagram that illustrates the sequence and processing dependencies of all phases (0 through 7, ad hoc, and date set phases).
- Flow diagrams for RETL extracts from RMS for Oracle Retail Predictive Application Server (RPAS).
- Flow diagrams for Oracle Retail Extract, Transform, and Load (RETL) extracts from RMS for Oracle Retail Data Warehouse (RDW) or other data warehouse.
- Flow diagram for the RETL extract from RPM for RDW or other data warehouse.
- Flow diagram for the RETL extract from Oracle Retail Invoice Matching (ReIM) for RDW or other data warehouse.

The Merchandising Batch Schedule replaces the separate batch schedule documents for RMS, RPM, and ReIM. Separate batch schedule documents are no longer published for Oracle Retail Merchandising product releases 12.0.x and higher.

The Merchandising applications addressed by the batch schedule include:

- Oracle Retail Merchandising System (RMS)
- Oracle Retail Sales Audit (ReSA)
- Oracle Retail Trade Management (RTM)
- Oracle Retail Price Management (RPM)
- Oracle Retail Invoice Matching (ReIM)

Merchandising Data Conversion Operations Guide

This guide is a reference for utilizing the data conversion loading tool. The guide describes the data conversion operations that begin with flat files produced from the databases of legacy applications. It details the content and format of each flat file required to perform the data conversion, as well as the tables created and populated by the conversion scripts.

This guide is for the members of the implementation team who plan and execute the migration of data at the retailer's site. The team includes the retailer's systems management, database management, systems analysis, and operations personnel. It also includes Oracle Retail and consultant support staff who assist in the implementation.

The Merchandising applications addressed by the Data Conversion Operations Guide include:

- Oracle Retail Merchandising System (RMS)
- Oracle Retail Sales Audit (ReSA)
- Oracle Retail Trade Management (RTM)
- Oracle Retail Price Management (RPM)

Oracle Retail White Paper: Merchandising Data Conversion Matrix

Metalink Note: 427788.1

This Microsoft Excel spreadsheet provides a sortable view of the Oracle Retail v12 Merchandising data model in reference to data conversion. Some of the details it includes are table names, table conversion details, table conversion prerequisites, functional areas, and more.

Oracle Retail White Paper: Merchandising Data Conversion Approach Guide

Metalink Note: 427799.1

This document outlines the high-level approach to data conversion processes and topics related to Oracle Retail. It describes the following areas: conversion methods, conversion approach, data classification, and conversion-related overviews of key functional areas.

Oracle Retail White Paper: Merchandising Installation Test Cases

Metalink Note: 427812.1

This document provides a series of test cases that will help test the Merchandising installation of the Oracle Retail applications. It contains tests cases related to the following products:

- Oracle Retail Merchandising System (RMS)
- Oracle Retail Sales Audit (ReSA)
- Oracle Retail Trade Management (RTM)
- Oracle Retail Price Management (RPM)
- Oracle Retail Invoice Matching (ReIM)
- Oracle Retail Allocations

Enhancements

Russian Language Enablement

The application is now translated into the Russian language, in addition to the languages already available.