

Oracle® Retail Invoice Matching

Release Notes

Release 12.0.3

April 2007

Copyright © 2007, Oracle. All rights reserved.

Primary Author: Rich Olson

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software – Restricted Rights (June 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

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

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 retailer's discretion when to apply patches, delays or lags 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 (see "Defect Documentation" below). Please review the enclosed defect documents promptly to determine the impact to your business operations.

Patch acceptance criteria should dictate the manner in which the patch is to be applied.

If no customizations need to be merged, the included archive encompasses all previous patches and is ready for deployment. If there are customizations additional steps need to be taken. Before installing Invoice Matching 12.0.3, confirm that Invoice Matching 12.0 and all following patches have been applied. See the Invoice Matching 12.0.3 patch documentation for detailed information on each fix.

This patch contains the 12.0.3 patch set release. Before you apply the Oracle Retail Invoice Matching 12.0 patch, be sure that the latest RMS patch set is installed. RMS 12.0 users should be current with the latest RMS 12.0 patch set.

Note: We do not test Oracle Retail Invoice Matching 12.0 releases with any but the most current RMS versions. Clients are free to run Oracle Retail Invoice Matching 12.0 against versions of RMS that are not the most current, but must be aware that Oracle Retail Customer Support only addresses issues that can be created on the latest version of Oracle Retail Invoice Matching 12.0 running against the latest RMS 12.0 version.

The Oracle Retail Invoice Matching 12.0.3 patch set contains files that were modified since Oracle Retail Invoice Matching 12.0.2. For detailed information on what is included regarding software fixes in this patch release, refer to the Oracle Retail Invoice Matching 12.0.3 patch set documentation located in the doc folder.

Applying Source Code

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

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

Running Scripts

Back up data before running any script, as the provided scripts DO NOT preserve data. See the defect documentation for details.

Please check with your database administrator to determine whether your database should be analyzed after running a script. In many cases, analysis of the database is necessary to take advantage of new/modified indexes intended to increase performance of the application.

Deploying the reim.war File

If you have made no customizations to the initial release and wish to accept all modifications that are included in the Oracle Retail Invoice Matching 12.0.3 patch set, you can save time and effort by extracting the reim.war file. The reim.war file contains all of the source code you need to run Oracle Retail Invoice Matching. You will still need to manually run scripts.

Most application servers will extract the .war file automatically. See your server documentation for guidance on how to extract the .war file. You may have to modify server configuration files.

After you extract reim.war, you will have to modify the reim.properties. You must then restart the server for your changes to take effect.

Defect Documentation

DEFECT MODULE XREF ReIM 12.0.3.xls

A defect fix is a modification to base Oracle Retail code (for example, a bug fix, a performance enhancement, or a functional enhancement). Each defect fix that is included in this patch has a corresponding defect report titled <Defect#>.pdf, (for example, 123456.pdf).

Fully review defect reports before you implement this patch. To assist with the patch application process, there is also a defects cross-reference spreadsheet named DEFECT MODULE XREF ReIM 12.0.3.xls. This spreadsheet lists the defect fixes that apply to this release.

Fixed Issues

The issues listed here are judged to be the most significant changes in the patch release. This is not a cumulative list. For other defect information, please refer to the defect documents and XREF spreadsheet.

Bug 5925891

There are decimal precision issues when creating an invoice with a decimal quantity.

Bug 5883386

There are some issues with ReIM 12 integration to EBS version 11, as a result of extending field lengths in support of the version 12 release.

Note: Be sure to run the database change scripts s5883386.sql and s5883386a.sql to correct the column sizes in the tables affected by this bug.

Bug 5916744

The view V_IM_FINANCIALS_STAGE for ReIM is missing the EXCHANGE_RATE and EXCHANGE_RATE_TYPE columns when they are in table IM_FINANCIALS_STAGE. These missing fields are causing the following error in the deployed BPEL process:

```
`java.sql.SQLException: ORA-00904: "EXCHANGE_RATE_TYPE": invalid identifier`
```

Also, the table IM_BPEL_SEQUENCING_HELPER is missing the seed data. This seed data is required for the ReIM-Oracle financials integration BPEL process to function correctly.

Note: Be sure to run the database change script s5916744.sql to add the missing columns to the view. Also be sure to run the data script c5916744.sql to populate the seed adapt in the IM_BPEL_SEQUENCING_HELPER table.

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, ReIM 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

With the 12.0.3 release, ReIM supports OAS 10.1.3.0.

Documentation Enhancements for Merchandising 12.0.3

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

- Merchandising Implementation Guide
- Merchandising Batch Schedule

Note: There is no corresponding Merchandising code release, and Oracle Retail has no plans to ever 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:

- How to implement Oracle Retail Merchandising applications
- 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)
- Oracle Retail Allocation

Additional Notes

Are Patches Cumulative or Incremental?

The Oracle Retail Invoice Matching 12.0.3 patch set contains the complete 12.0 Java JSP sources, which may be applied directly. For database scripts, patches are incremental from patch to patch.

Each reim.war file represents the most recent project code. This means that the most recent reim.war file contains all of the compiled code needed to run the application. If you are installing Oracle Retail Invoice Matching for the first time in an environment, you only need to deploy the most recent reim.war file.

All scripts that add, remove, or modify database objects are incremental, however. This means that a new install requires all scripts to be run in order, starting with those offered in the initial release, and including those in all subsequent patches.

Clients who generate their own Java binaries (.class files) from the source code (.java files) also need to incrementally apply patches on top of the code shipped in the initial release. This includes manually removing any .java files that have been removed from the product; refer to individual defect documents for more information regarding the source code to remove. The compilation command only needs to be executed once after the most recent code is in place.

Managing Fixes Received Between Quarterly Patch Sets

Due to the tight coupling of code in Oracle Retail Invoice Matching 12.0, clients must make sure to have the most recent patch at the time they apply a fix to a defect they report.

When a client receives a fix to an issue they log between scheduled patch set releases, it will typically come as a patch in the form of a .zip file containing the documentation, source code, .war file, and any required database scripts.

The source code will then need to be applied, the application recompiled, and the application server restarted. Please contact Oracle Customer Support for more information.