Oracle® Retail Warehouse Management System

Release Notes

Release 13.2

January 2011

This document highlights the major changes for Release 13.2 of Oracle Retail Warehouse Management System.

Overview

Oracle Retail Warehouse Management System (RWMS) is an N-tier, Web-architected warehouse management system. RWMS is the centerpiece of the Oracle Retail Enterprise, a suite of software products that manages and optimizes retail and consumer-direct (catalog, e-commerce) supply chains. RWMS streamlines the supply chain for multichannel retailers, including store, catalog, and e-commerce retailers. RWMS also supports consumer-direct fulfillment capabilities, moving merchandise both to and from the customer faster and at a lower cost.

Hardware and Software Requirements

See the *Oracle Retail Warehouse Management System Installation Guide* for information about the following:

- Hardware and software requirements
- Oracle Retail application software compatibility

Functional Enhancements

The following functional enhancements are included this release.

Flexible Pallet Receiving

The flexible pallet receiving (FPR) workflow streamlines the receiving process, especially when predistributed (cross-dock) merchandise is involved in a receipt. It enables the user to set or modify the appointment details on the receiving floor prior to the system calculating apportionment. This eliminates the multi-step process of inventorying a load and then updating the appointment on a PC screen, prior to initiating the RF receiving process.

FPR also provides complete flexibility in terms of printing container labels. Pallets can be processed in groups, all at once, or one at a time. It also makes effective use of cart printers.

FPR enables users to process merchandise based how it is loaded on trucks. Although separation of merchandise by item is still recommended and makes any receiving process smoother, it is not required. This is especially useful for sites receiving mixed

loads with limited receiving dock space. The system is flexible enough to be used with varying receiving workflows.

The move and put-away processes are consolidated into one Transport screen. This eliminates the need for the user to select which mode is needed to process any given pallet, since the system automatically suggests the destination location for a pallet based on its ultimate destination within the warehouse (either storage, cross-dock directly to a door, or internal processing location).

Code Life (Perishables) Receiving

A receive not-after date calculation is added to warn the DC about merchandise coming into the facility that is too close to expiration. This is configurable at the item level and enables flexibility in determining the acceptable amount of lead time needed for each perishable item.

Vendor Nonconformance Tracking

Sites are able to log vendor and merchandise issues at the appointment/PO/item level, whether actually receiving the merchandise or not, without having to use trouble or WIP code processing. Users can attach files and pictures to each incident issue.

Cycle Counting Enhancements

The following enhancements are added to cycle counting:

- A new PC screen is available from which users can mark locations for normal (system) counts. This provides a method to count a range of locations for clients who wish to minimize travel and utilize extra workers when available to perform cycle counts in specified areas of the warehouse.
- A cycle counting log is added to track all cycle count activity. Sites are able to identify how often and when locations are counted, and who counted the locations. Complete time stamps, user identification, and before/after inventory levels are tracked. A report is included to enable users to query data in the new log.
- Audit count functionality is added. Sites can designate tolerance levels by item. When a cycle count results in an adjustment exceeding the tolerance level within a location, a follow-up audit count is triggered prior to making any inventory adjustments.

Receiving Adjustment Controls

Sites can limit the amount of time after a receipt is made for users to perform receiving adjustments. The Container Checking screen is changed to only perform receiving adjustments. The capability to remove inventory adjustments can be performed from other screens. This enhances the application by keeping inventory adjustments and receiving adjustments in separate processing areas. This helps to reduce user errors.

Trailer Loading Enhancements

A configuration is added to enable loading of multiple containers onto trailers in one step. Each site can set the maximum number of container IDs that can be loaded between door scans. This enables warehouses to make better use of forklifts that can transport multiple pallets at one time.

Stock Order Priority by Store

For both cross-dock orders and manual orders from stock, the system allocates shortages based on stock order priority. A default priority is added that is configurable at the store (shipping destination) level. Warehouses can more easily allocate merchandise to selected stores on a priority basis.

Technical Enhancements

The following technical enhancements are included in this release.

Oracle WebLogic Server 11g

Oracle WebLogic Server 11g (10.3.3) is now the certified application server for Oracle Retail merchandising operations management applications. Oracle Application Server is no longer supported.

Oracle WebLogic Server 11g is the industry's most comprehensive, standards-based platform for developing, deploying, and integrating enterprise applications. It provides the foundation for application grid, which is an architecture that enables enterprises to pool and share resources with dynamic adjustment across multiple applications to lower operational costs. In addition, Oracle WebLogic Server provides the following features:

- A unified management console to combine the functionality of Oracle WebLogic Server and Oracle Application Server for custom, legacy, or packaged applications
- Cached data in memory for consistently high responsiveness at any scale of users and transactions
- Easy configuration and connection to Oracle Database, Oracle Fusion Middleware, and Oracle Applications
- Foundation for service-oriented security, which simplifies the process of writing highly secure applications

Oracle BI Publisher

Oracle BI Publisher enables easy creation and customization of reports. Oracle BI Publisher replaces the Oracle Reports tool previously used. Key existing reports are included as Oracle BI reports.

Interface to Zebra Label Design Software

Sites can easily change, configure, and format their own container labels and price tickets. Templates are included with Zebra software for all existing RWMS labels. Clients are free to use these formats or create their own designs. This enhancement reduces the time and cost involved in customizing labels and tickets.

Table Data Purge Handling

A table and associated scripts are added that control the retention period for data in many of the key tables. This system can also be used for purging data in custom tables. This replaces the many system parameters used in the past and makes data retention administration easier.

Documentation Enhancement

The following guide is added to the Oracle Retail Warehouse Management System documentation set.

Oracle Retail Warehouse Management System Implementation Guide

The 13.2 Release of RWMS includes the *Oracle Retail Warehouse Management System Implementation Guide*. This Implementation Guide provides the post-installation, data setup steps needed to configure RWMS. In addition, the document provides conceptual information about integration of RWMS with other Oracle Retail applications. Among other topics, key areas of the system's technical design, as well as its N-tier architectural model, are described.

Brazil Localization

The following enhancements are added to support the use of the Oracle Retail Warehouse Management System in Brazil. The functionality supports the use of nota fiscal documents to control the receiving process.

Receiving using Schedules

Integration to Oracle Retail Fiscal Management (ORFM) is available. ORFM takes data in nota fiscal documents and combines them into a schedule which corresponds to a delivery. By adding the schedule number to a receiving appointment in the warehouse, all purchase order item and quantity information is automatically populated to the appointment. In the Brazil configuration, users are constrained to receiving only the merchandise included in the nota fiscal documents associated with the schedule.

Overages and Damaged Goods Processing

As part of receiving, a screen and table are added to enable receiving floor users to enter information about overages and damaged goods that are not being received. That data is communicated back to ORFM so that the appropriate return documents can be created.

Finisher and Repair Order Processing

Oracle Retail Warehouse Management System accepts orders (from a merchandising system) and creates orders to finishers to perform value-added services to merchandise. After the items are serviced or repaired, Oracle Retail Merchandising System (RMS) creates a return transfer (from the finisher to the warehouse) so that the merchandise can be received back into the warehouse.

Support for repair order processing is added. The integration workflow is similar to the workflow for finishers, with the exception that new container assignment and picking screens are available. This is necessary because picking and shipping of repair orders pertain to specific (damaged) units within the warehouse. The merchandise is

picked from staging shelves or racks (rather than storage locations) to keep it separate from the merchandise eligible for distribution to stores.

Known Issues

The following are known issues in Oracle Retail Warehouse Management System Release 13.2.

ID	Summary
5965	When an FPR appointment is received with Asset Tracking (system parameter) set to Yes, RWMS does not display the remove transport asset screen after removing cartons/pallets from a generic label.
6710	When performing an FPR appointment with the SCAN LABEL flag set to yes, RWMS is not capturing the container weight or regular weight in the container table.
6913	RWMS allows the application of a Vendor Non-Conformance code to a generic container ID that has not been received. This process locks records in the database and prevents the appointment from being closed. RWMS will be modified so that Vendor Non-Conformance codes can only be applied to received containers. **Note:** You can still apply Vendor Non-Conformance codes to Appointment/PO/Item combinations prior to receipt.
6946	On the RF FPR Create Appt Detail screen, the F3 Exit is partially hidden. It is still visible, readable, and functioning, but it requires a slight space adjustment on the screen.
6954	RWMS allows you to apply the same Vendor Non-Conformance code to a pallet multiple times, exceeding the quantity of cartons on the pallet. This must be limited to the quantity on the pallet.
6984	When selecting POs in the CREATE APPT DETAIL screen in the RF screens while using FPR Receiving, the user receives a DMS error.
6995	The width of the GUI field EXPIRE_RECV_DAYS_PCT needs to be increased to match the database.

Related Documentation

For more information, see the following documents in the Oracle Retail Warehouse Management System Release 13.2 documentation set:

- *Oracle Retail Warehouse Management System Implementation Guide*
- *Oracle Retail Warehouse Management System Installation Guide*
- *Oracle Retail Warehouse Management System Operations Guide*
- *Oracle Retail Warehouse Management System Radio Frequency User Guide*
- *Oracle Retail Warehouse Management System User Guide*
- *Oracle Retail Warehouse Management System Data Model*

Supplemental Documentation

The following documents are available through My Oracle Support. Access My Oracle Support at the following URL:

https://support.oracle.com

Oracle Retail Integration Bus Integration Guide (ID 1277421.1)

The *Oracle Retail Integration Bus Integration Guide* is an HTML document that summarizes the Oracle Retail messaging integration by functional area. Each functional area (or message family) includes the publishing and subscribing application's components, message documents, and TAFR operations (if applicable).

Oracle Retail Upgrade Guide (ID 1073414.1)

Because the upgrade process varies among Oracle Retail applications, the *Oracle Retail Upgrade Guide* describes the approach that each Oracle Retail application takes for the upgrading, or uptaking, process, as well as product-specific upgrade assumptions and considerations. Actual procedures for the upgrade may be included in the application's Installation Guide.

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Value-Added Reseller (VAR) Language

Oracle Retail VAR Applications

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(ii) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Mobile Store Inventory Management.

(iii) the software component known as **Access Via™** licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.

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