

# Oracle® Retail Point-of-Service

Release Notes

Release 12.0.1.1

February 2008

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This version of the release notes replaces the Release 12.0.1 version. This document contains information on a fix for the Release 12.0.1 documentation of Oracle Retail Point-of-Service.

## Overview

Oracle Retail Point-of-Service is a point-of-sale application that provides the capabilities to carry out day-to-day transactions and conduct daily store activities. Tasks such as scanning items, applying price adjustments, tendering, and printing receipts as well as processing returns and web orders can be performed. Store operations including opening the store, managing registers and tills, and closing the store can be handled through Oracle Retail Point-of-Service.

## Functional Enhancements

The following functional enhancements are included in this release:

- [Swan User Interface \(Swan UI\)](#)
- [Locale Support for Internationalization](#)
- [Value Added Tax \(VAT\)](#)
- [Fair Credit Reporting Act](#)
- [Price Look-up](#)

### Swan User Interface (Swan UI)

Swan UI is a set of user interface definitions produced by Oracle which create a consistent interface for Oracle products and an improved user interface for application users. The Oracle Retail Point-of-Service application screens are updated to use the Swan color palette and fonts. A new splash screen is displayed on the Main Options screen.

### Locale Support for Internationalization

Locale support is tailoring the information displayed on a screen and accepting user-entered data in a format that meets the conventions of the locale, or geographic region, where Oracle Retail Point-of-Service is being used. Limited locale support is provided to enable the date, time, currency, and calendar to be displayed in the conventions defined for the default locale. The default locale is selected during installation.

## Value Added Tax (VAT)

Oracle Retail Point-of-Service supports a price inclusive VAT. A price inclusive VAT is a tax added at various stages of production based on the value added to the product at that stage.

When VAT is enabled, sales tax functionality is unavailable. The following changes are made:

- The **F6/Tax** button is not available on the Item Options and Trans. Options screens.
- Some screens have a Tax field in the summary table at the bottom of the screen which shows the total tax for the transaction. This field is not displayed.
- Receipts display VAT information.
- The tax summary section at the bottom of the register and till summary reports displays VAT information.

## Fair Credit Reporting Act

In order to be compliant with the current interpretation of the Fair Credit Reporting Act, the credit card expiration date is removed from receipts and reprinted receipts.

## Price Look-up

Prices are removed from the database Item tables. The prices in the Price Change tables are now used. This ensures an accurate price is used for sales and returns. The price is calculated based on the price changes in effect at the time of the price look-up.

## Functionality Restricted or Removed

The language bundles for Canadian French and Puerto Rican Spanish are removed.

## Technical Enhancements

The following technical enhancements are included in this release.

### Installation Directories

The default installation directory for the server is OracleRetailStore/Server. The default installation directory for the client is OracleRetailStore/Client.

### IBM WebSphere Environment

Deployment on the IBM WebSphere environment is supported.

### Item Size in the Electronic Journal

Item size is on a separate line in the Electronic Journal (EJournal). If there is no size associated with an item, the line does not appear.

## Offline Data Distribution Infrastructure

Offline data is distributed from the Oracle Retail Point-of-Service store server to the client without needing to reboot the client. Offline persistent storage is required.

Data distribution to the client occurs when the client is started and at configured intervals. Once the client is started, the distribution only occurs when the Main Options screen is displayed. When a data update is in progress, the buttons on the Main Options screen are disabled until the data update is completed.

The following types of offline data are updated:

- Advanced Pricing
- Currency
- Employee
- Item/Pricing (PLU)
- Tax

## JMS Performance Tuning Support

To better support JMS performance tuning, the following changes are made:

- XA is enabled on all queue and topic connection factories.
- POSLog, EJournal, and signature capture use dedicated connection factories.

The following connection factories are new:

- jms/ApplicationQCF is a general purpose queue connection factory.
- jms/ApplicationTCF is a general purpose topic connection factory.
- jms/POSLogQCF is used for POSLog import.
- jms/EJournalQCF is used for EJournal import.
- jms/SignatureCaptureQCF is used for Signature capture import.

The following connection factories are no longer used:

- jms/QueueConnectionFactory
- jms/TopicConnectionFactory
- jms/COQueueConnectionFactory

## Data Purge

A set of scripts is provided to purge aged data from the databases. Purging aged data reduces the amount of disk space used. The following types of data can be purged:

- Retail Transactions (Sale, Return)
- Control Transactions (Void, No Sale, Open Store, Close Store, Open Register, Close Register, Open Till, Close Till)
- Layaway Data
- Financial Accounting Transactions (Till Loan, Till Pickup, Till Pay In, Till Pay Out)
- Orders
- Report Summary
- Financial History (Store, Register, Till)
- Advanced Pricing
- Timed Item Events
- Electronic Journal

## Installer Enhancements

The following enhancements are made to the Oracle Retail Point-of-Service installer:

- The installer performs many of the file updates that were previously done manually after running the installer. Screens are added to the installer to capture any information needed by the installer to complete these file updates.
- Running the installer in silent mode is supported.
- Troubleshooting information is added to the Oracle Retail Point-of-Service Installation Guide.

## Integration Enhancement

Oracle Retail Strategic Store Solutions products are integrated with the following Oracle Retail Merchandise Operations Management products:

- Oracle Retail Merchandising System is used to execute core merchandising activities, including merchandise management, inventory replenishment, purchasing, vendor management, and financial tracking.
- Oracle Retail Price Management is a pricing and promotions execution system that includes the definition, maintenance, and review of price changes, clearances, and promotions.
- Oracle Retail Sales Audit provides the tools to evaluate point-of-sale data to ensure the accuracy and completeness of the information exported to downstream systems used in optimization processes, financial reporting, and analysis.

- Oracle Retail Store Inventory Management is used to execute inventory management activities including receiving inventory, replenishing stock, managing physical inventories, looking up product information, and transferring or returning stock.

Oracle Retail Merchandise Operations Management is the system of record for item, merchandise hierarchy, store hierarchy, and price/promotion data. This data is imported to Oracle Retail Central Office for enterprise management and Back Office and Point-of-Service for managing store operations. Transaction data created through Oracle Retail Point-of-Service is then exported back to Oracle Retail Sales Audit. Oracle Retail Sales Audit processes and provides the updated data to Oracle Retail Merchandising System and Oracle Retail Store Inventory Management.

This is the first phase of the integration with Oracle Retail Merchandise Operations Management. Only common features that are shared between the Oracle Retail Merchandise Operations Management and Oracle Retail Strategic Store Solutions products are integrated in this release. Inventory updates to Oracle Retail Store Inventory Management are done through Oracle Retail Sales Audit.

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**Note:** There are some conditions required on data in order to filter out the Oracle Retail Merchandising System data being extracted to the XML files. This is required mainly because Oracle Retail Point-of-Service has these limitations on data types. Some of these conditions are:

- For the store hierarchy:
    - Store value length is less than or equal to 5
    - Chain value length is less than or equal to 4
  - For items:
    - Item value length is less than or equal to 14
    - UOM length is less than or equal to 2
    - Diff\_1 length is less than or equal to 20
    - Diff\_2 length is less than or equal to 10
    - Unit retail is less than or equal to 999999.99
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## Implementation Guide

An overview of how the products are integrated is included in the Strategic Store Solutions Implementation Guide. This guide was new for Release 12.0. The guide also has information on configuring the Strategic Store Solutions products for the integration.

Integration gaps have been identified between the Oracle Retail Merchandise Operations Management products and the Strategic Store Solutions products. These gaps affect the data files and product functionality. The identified gaps and the resolutions for handling the gaps are described in the Strategic Store Solutions Implementation Guide.

## Upgrades to Requirements

For information related to upgrades to the Oracle Retail Point-of-Service requirements (for example, Database Server, Application Server, and so on), see the Oracle Retail Point-of-Service Installation Guide.

## Known Issues

The following issues occur in this release.

### Device Configuration

IBM devices can be configured using the auto-config option. If problems are encountered using auto-config, turn off the auto-config option and configure the devices manually. Information on turning off the auto-config option and manually configuring devices is included in the Oracle Retail Point-of-Service Installation Guide.

### Incorrect Tax Amount in EJournal for Price Override Items

**Issue:** For items that had a price override applied, an incorrect tax amount is displayed in the EJournal. The tax based on the original price of the item and not the price after the price override is displayed.

**Fix:** A fix is in development for Oracle Retail Point-of-Service.

### POSLog Entry Not Created for Tender with Non-Store Coupon

**Issue:** When tendering a transaction with a non-store coupon, an entry is not made in the POSLog for the sale.

**Fix:** A fix is in development for Oracle Retail Point-of-Service.

### Post Void of Return Transaction

**Issue:** An item that is not in the local database is returned using Centralized Transaction Retrieval. If the return transaction is post voided, the voided amount is zero.

**Fix:** A fix is in development for Oracle Retail Point-of-Service.

### Retrieving a Suspended Layaway Transaction

**Issue:** When trying to retrieve a layaway transaction that was suspended, the client goes offline. If the server and client are restarted, the client goes offline again after logging back in to Oracle Retail Point-of-Service. The Device Status screen shows the database as being offline.

**Fix:** A fix is in development for Oracle Retail Point-of-Service.

### E-check in Non-US Deployments

E-check is not supported as a tender outside the United States. It is recommended that the client not enable the E-Check Functionality parameter. For information on the parameter, see the Oracle Retail Strategic Store Solutions Configuration guide.

**Issue:** While the E-Check functionality will work for an E-Check tendered in the base currency, if an E-Check is accepted in an alternate tender, it cannot be reconciled during the Register Close process.

**Fix:** A fix is in development for Oracle Retail Point-of-Service.

## Defect Documentation

A defect fix is a modification to the base Oracle Retail Point-of-Service code (for example, a bug fix, a performance enhancement, or a functional enhancement). All the bug fixes in each release should be fully reviewed before the release is installed.

The following defect fixes are included in this release.

**Table 1 Fixed Defects**

Internal Bug Number	Description
27565	EFT transactions do not comply with the ISD specification.
27934	Trying to return a gift card that has been reloaded causes the register to hang.
28012	When a gift card is returned for cash, the POSLog entry does not include the gift card number.
28071	Trying to set a discount amount for a transaction before any items have been added to the transaction causes the register to crash.
28142	For credit cards and gift cards, the authorization time is incorrect in the POSLog.
28409	If the gift card balance is less than 0.10, the balance multiplied by ten is shown on the receipt.
28415	When selecting a reason code on any price change screen, the reason code text can be edited on the screen.
28417	When the IdentifySalesAssociateEveryTransaction parameter is set to Yes and the SalesAssociateValidation parameter is set to No, retrieving a suspended transaction causes the application to crash when an invalid sales associate ID was used when the transaction was suspended.
28455	Overtendering on a gift card results in an error message. Overtendering on a gift certificate results in a negative gift certificate amount on the receipt.
28691	Deleting a send item from a transaction causes the register to crash.
28868	When a gift receipt is associated with only one item in a transaction, price codes are printed on the gift receipt for all items in the transaction.

## Documentation Fix for Release 12.0.1.1

The following changes are made to the Oracle Retail Point-of-Service Installation Guide:

- The database version is corrected.
- The database requirements are moved to the requirements table for the store server.

The Release 12.0.1.1 version of the Oracle Retail Point-of-Service Installation Guide is updated for this fix.

## Documentation Update for Release 12.0.1

The following change has been made to the Oracle Retail Point-of-Service documentation set for Release 12.0.1:

- In the Oracle Retail Point-of-Service Installation Guide, the names of the zip files used for installation are updated.

The Oracle Retail Point-of-Service Operations Guide and User Guide are not changed for this release. For these guides, consult the Release 12.0 version.

The following changes have been made to the Strategic Store Solutions documentation set for Release 12.0.1:

- In Strategic Store Solutions Licensing Information, the provider for Spring Framework is corrected and the Oracle Retail Merchandise Operations Management products are added to the list of prerequisite software.
- In the Strategic Store Solutions Implementation Guide, an appendix is added with XSD information and changes are made for discount rule and price look-up enhancements. Additional troubleshooting information is added.

The Oracle Retail Strategic Store Solutions Configuration Guide is not changed for this release. For information on configuring parameters, consult the Release 12.0 version.

The Release 12.0.1 versions are the guides that are updated for Release 12.0.1.

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Oracle Retail Point-of-Service Release Notes, Release 12.0.1.1

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### Value-Added Reseller (VAR) Language

(i) the software component known as **ACUMATE** developed and licensed by Lucent Technologies Inc. of Murray Hill, New Jersey, to Oracle and imbedded in the Oracle Retail Predictive Application Server - Enterprise Engine, Oracle Retail Category Management, Oracle Retail Item Planning, Oracle Retail Merchandise Financial Planning, Oracle Retail Advanced Inventory Planning and Oracle Retail Demand Forecasting applications.

(ii) the **MicroStrategy** Components developed and licensed by MicroStrategy Services Corporation (MicroStrategy) of McLean, Virginia to Oracle and imbedded in the MicroStrategy for Oracle Retail Data Warehouse and MicroStrategy for Oracle Retail Planning & Optimization applications.

(iii) the **SeeBeyond** component developed and licensed by Sun Microsystems, Inc. (Sun) of Santa Clara, California, to Oracle and imbedded in the Oracle Retail Integration Bus application.

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



- (v) the software component known as **Crystal Enterprise Professional and/or Crystal Reports Professional** licensed by Business Objects Software Limited ("Business Objects") and imbedded in Oracle Retail Store Inventory Management.
- (vi) 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.
- (vii) the software component known as **Adobe Flex™** licensed by Adobe Systems Incorporated of San Jose, California, and imbedded in Oracle Retail Promotion Planning & Optimization application.
- (viii) the software component known as **Style Report™** developed and licensed by InetSoft Technology Corp. of Piscataway, New Jersey, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.
- (ix) the software component known as **I-net Crystal-Clear™** developed and licensed by I-NET Software Inc. of Berlin, Germany, to Oracle and imbedded in the Oracle Retail Central Office and Oracle Retail Back Office applications.
- (x) the software component known as **WebLogic™** developed and licensed by BEA Systems, Inc. of San Jose, California, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.
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