

# Oracle® Retail Mobile Point-of-Service

Release Notes

Release 12.0

September 2007

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This document highlights the major changes for Release 12.0 of Oracle Retail Mobile Point-of-Service.

## Overview

Oracle Retail Mobile Point-of-Service is a wireless, scaled-down version of the Oracle Retail Point-of-Service product. In an effort to improve customer service and shorten wait time at the register, Oracle Retail Mobile Point-of-Service provides a way for customers to check out from anywhere inside or outside the store. Store associates are able to scan merchandise using a hand held device. The transaction can be tendered at the device with a credit card or suspended and then retrieved at a register for final payment.

## Functional Enhancements

The following functional enhancements are included in this release:

- [Locale Support for Internationalization](#)
- [Value Added Tax \(VAT\)](#)
- [Fair Credit Reporting Act](#)

## 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 Mobile Point-of-Service is being used. Limited locale support is provided to enable the date, time, and currency to be displayed in the conventions defined for the default locale. The default locale is selected during installation.

The following changes are made to the Item Options and Transaction Options screens:

- The **Discount \$** option is changed to **Disc. Amt.**
- The **Discount %** option is changed to **Disc. %**.
- The **Override Tax \$** option is changed to **Ovrd. Tax Amt.**
- The **Override Tax %** option is changed to **Ovrd. Tax %**.

## **Value Added Tax (VAT)**

Oracle Retail Mobile 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:

- Transactions cannot be tendered through the hand-held device. The Tender button on the Sell Item screen is disabled. The transaction must be suspended and then tendered at an Oracle Retail Point-of-Service register.
- Modifications cannot be made to the tax for an item or transaction. The buttons for these functions are disabled.

## **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.

## **Technical Enhancements**

The following technical enhancements are included in this release.

## **Installation Directory**

The default installation directory is OracleRetailStore/mpos.

## **IBM WebSphere Environment**

Installation and deployment with the IBM WebSphere environment is supported. This environment is defined as having the following components:

- IBM WebSphere Application Server
- IBM DB2 Database Server
- IBM Retail Environment for SUSE Linux (IRES)
- IBM Java Development Kit

## **JMS Performance Tuning Support**

To better support JMS performance tuning, XA is enabled on all queue and topic 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.

The following connection factories are no longer used:

- jms/QueueConnectionFactory
- jms/TopicConnectionFactory

## Documentation Enhancement

The Oracle Retail Mobile Point-of-Service Operations Guide is new. This guide contains technical information on the application and instructions for configuring the application.

## 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:

- Store value length is less than or equal to 5
  - Chain value length is less than or equal to 4
  - 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 6
  - 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 is new for this release. 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.

## Supported Environments

The following table lists the environments and the versions tested for this release.

**Table 1 Supported Environments**

Component	IBM Stack	Oracle Stack
Database Tier	Database Server	Database Server
Hardware	IBM pSeries	x86-64 bit (SUN Hardware preferred)
Operating System	IBM IRES 2.1.2	64-bit Linux Red Hat Enterprise AS/ES 4
Database	64-bit IBM DB2v9.1	64-bit Oracle 10G R2 (10.2.0.2)
<b>Oracle Retail Central Office</b>		
Application Tier	Middleware Server	Middleware Server
Hardware	IBM pSeries	x86-64 bit (SUN Hardware preferred)
Operating System	IBM IRES 2.1.2	64-bit Linux Red Hat Enterprise AS/ES 4

**Table 1 (Cont.) Supported Environments**

<b>Component</b>	<b>IBM Stack</b>	<b>Oracle Stack</b>
J2EE Application Server	IBM WebSphere 6.1	32-bit Oracle 10g AS/R3 (10.1.3)
J2EE Application Server JVM	IBM JDK 1.5.x	Sun 1.5.x
Messaging Provider	IBM MQ Series 6.0.2	(included in Oracle Application Server)
<b>Oracle Retail Back Office, Oracle Retail Labels and Tags, Oracle Retail Point-of-Service In-Store Server, and Oracle Retail Mobile Point-of-Service Server</b>		
Hardware	x86-32bit	x86-32bit
Operating System	IBM IRES 2.1.2	Windows 2003 Server
Database	DB2 Express v9.1	Oracle 10g R2 (10.1.2.0.1)
J2EE Application Server	IBM WebSphere 6.1	Oracle 10g AS/R3 (10.1.3)
J2EE Application Server JVM	(included in WRS)	Sun 1.5.x
Messaging Provider	IBM MQ Series 6.0.2	(included in Oracle Application Server)
System Management Agents	OEM Agents	OEM Agents
POS Server JVM	IBM 1.4.2 SP2	Sun 1.4.2.x
<b>Oracle Retail Point-of-Service Client</b>		
<b>Register</b>	<b>Register #1</b>	<b>Register #2</b>
Hardware	SurePOS 741/742	SurePOS 741/742
Operating System	IBM IRES 2.1.2 (register)	WEPOS 1.1
JVM	IBM 1.4.2.x	Sun 1.4.2.x
Cashdrawer	IBM cashdrawer	IBM cashdrawer
Pole Display	IBM pole display	IBM pole display
Keyboard	IBM keyboard	IBM keyboard
Scanner	Symbol Scanner	Symbol Scanner
PIN Pad	Ingenico eNTouch 1000	Ingenico eNTouch 1000
Credit Card Reader	Ingenico Device Number 3380	Ingenico Device Number 3380
Receipt Printer	IBM printer	IBM printer
<b>Mobile Point-of-Service Handheld</b>		
Hardware	Symbol 8146 Printer	Symbol 8146 Printer
Operating System	Microsoft Windows Mobile 2003 version 4.2 using Pocket IE packaged with Pocket PC Mobile POS	Microsoft Windows Mobile 2003 version 4.2 using Pocket IE packaged with Pocket PC Mobile POS

## Known Issues

The following issues occur in this release.

### Discount Rule

A discount rule that allows the customer to choose from a group of items is not functioning correctly in an Oracle Retail environment that is integrated with Oracle Retail Merchandising System.

**Scenario:** A promotion for "Buy X Get %/\$ off Y," where X or Y (or both) is from a group of items. For example, buy any pair of jeans get 10% off a t-shirt. The expectation for this discount is that the customer purchases ONE item from the jeans (department) to get 10% off ONE t-shirt from the t-shirt (department).

**Oracle Retail Point-of-Service Behavior:** Oracle Retail Point-of-Service interprets the "any pair of jeans" as "all pairs of jeans" and the "any t-shirt" as "all t-shirts" before the rule is invoked and the discount is applied to the transaction.

**Issue:** The current integration does not support the concept of a coupon at the class or department level. The integration communicates the department or class as the individual items in that group. When the store system receives all the coupon records it converts them to a buy one of each versus buy one from a list of items.

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

### Store Coupon

**Scenario:** A store coupon for \$10 off the purchase of a single pair of jeans is applied to merchandise class that has 8 different pair of jeans. The expectation is that the coupon is applied against any one pair of jeans and the shopper would save \$10 of the purchase price.

**Oracle Retail Point-of-Service Behavior:** Oracle Retail Point-of-Service expects the shopper to purchase 8 different pair of jeans to receive the \$10 savings.

**Issue:** Oracle Retail Price Management supports the concept of a coupon at the class or department level but the integration approach is not working correctly. Oracle Retail Price Management sends down a coupon record for every item in the class. When the store system receives all the coupon records it converts them to a "buy one of each" versus "buy one from a list of items."

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

### 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.

## Gift Card in Deployments with ISD

**Issue:** In a deployment with ISD, issued Gift Cards are unable to be used as tender. The authorization with ISD returns a zero balance on the Gift Card.

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

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Oracle Retail Mobile Point-of-Service Release Notes, Release 12.0

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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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