

Oracle® Retail Store Inventory Management
Configuration Guide
Release 16.0
E76184-04

September 2018

E76184-04

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Oracle Retail Store Inventory Management, Configuration Guide, Release 16.0

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Preface

The *Oracle Retail Store Inventory Management Configuration Guide* provides detailed information that is important when implementing SIM. The *Oracle Retail Store Inventory Management Configuration Guide* provides the following information and more:

- **System and store administration**
Details the SIM system and store options. System option parameters allow a user to change the parameter for the entire system and all stores. Store option parameters are only specific to the store the current user is logged in to.
- **Functional design and overview**
Provides detailed information concerning the various aspects of the SIM functional areas.

Audience

This document is intended for the Oracle Retail Store Inventory Management application integrators and implementation staff, as well as the retailer's IT personnel.

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Related Documents

For more information, see the following documents in the Oracle Retail Store Inventory Management Release 16.0 documentation set:

- *Oracle Retail Store Inventory Management Batch Operations Guide*
- *Oracle Retail Store Inventory Management Extension Guide*
- *Oracle Retail Store Inventory Management Installation Guide*
- *Oracle Retail Store Inventory Management Integration Guide*
- *Oracle Retail Store Inventory Management MAF Guide*
- *Oracle Retail Store Inventory Management MAF Installation Guide*
- *Oracle Retail Store Inventory Management Release Notes*
- *Oracle Retail Store Inventory Management Security Guide*
- *Oracle Retail Store Inventory Management Store User Guide*
- *Oracle Retail Store Inventory Management Wavelink Studio Client Guide*
- *Oracle Retail Store Inventory Management Data Model*
- *Oracle Retail Store Inventory Management Upgrade Guide*

Supplemental Documentation on My Oracle Support

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Enterprise Integration Guide (Located in the Oracle Retail Integration Suite Library on the Oracle Technology Network)

The Enterprise Integration Guide is an HTML document that summarizes Oracle Retail integration. This version of the Integration Guide is concerned with the two integration styles that implement messaging patterns: Asynchronous JMS Pub/Sub Fire-and-Forget and Web Service Request Response. The Enterprise Integration Guide addresses the Oracle Retail Integration Bus (RIB), a fully distributed integration infrastructure that uses Message Oriented Middleware (MOM) to integrate applications, and the Oracle Retail Service Backbone (RSB), a productization of a set of Web Services, ESBs and Security tools that standardize the deployment.

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- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

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When you install the application for the first time, you install either a base release (for example, 16.0) or a later patch release (for example, 16.0.1). If you are installing the base release and additional patch releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch releases can contain critical information related to the base release, as well as information about code changes since the base release.

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This process will prevent delays in making critical corrections available to customers. For the customer, it means that before you begin installation, you must verify that you have the most recent version of the Oracle Retail documentation set. Oracle Retail documentation is available on the Oracle Technology Network at the following URL:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

An updated version of the applicable Oracle Retail document is indicated by Oracle part number, as well as print date (month and year). An updated version uses the same part number, with a higher-numbered suffix. For example, part number E123456-02 is an updated version of a document with part number E123456-01.

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Oracle Retail product documentation is available on the following web site:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

(Data Model documents are not available through Oracle Technology Network. You can obtain them through My Oracle Support.)

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.



Introduction

Oracle Retail Store Inventory Management (SIM) empowers store personnel to sell, service, and personalize customer interactions by providing users the ability to perform typical back office functionality on the store sales floor. The results are greatly enhanced customer conversion rates, improved customer service, lower inventory carrying costs, and fewer markdowns. SIM delivers the information and flexible capabilities that store employees need to maintain optimal inventory levels and to convert shoppers into buyers.

The SIM solution does the following:

- Improves perpetual inventory levels by enabling floor-based inventory management through handheld devices and store PCs.
- Minimizes the time needed to process receipt and check-in of incoming merchandise.
- Receives, tracks, and transfers merchandise accurately, efficiently, and easily.
- Reduces technology costs by centralizing hardware requirements.
- Guides users through required transactions.
- Allows customizations to the product through an extensible technology platform.

The retailer's modifications are isolated during product upgrades, lowering the total cost of ownership.

Skills Needed for Implementation

The implementer needs an understanding of the applications and technical concepts described in this chapter.

Applications

Note: See the *Oracle Retail Store Inventory Management Installation Guide* for a list of the Oracle Retail applications that are certified with this version of SIM.

The implementer should understand the interface requirements of the integrated applications (with or without Retail Integration Bus (RIB) and data sources for the foundation data. Depending on the version of SIM that you are using, SIM might be deployed either as:

- Standalone (that is, without RIB)
- With Oracle Retail Merchandising System (RMS), Oracle Retail Price Management (RPM) and Oracle Retail Integration Bus (RIB)
- With Oracle Retail Merchandising System, Oracle Retail Price Management, Oracle Retail Warehouse Management System (RWMS) and Oracle Retail Integration Bus
- With Oracle Retail Xstore alone
- With Oracle Retail Merchandising System, Oracle Retail Price Management, Oracle Retail Warehouse Management System, Oracle Retail Integration Bus, and Oracle Retail Xstore

The implementer needs functional knowledge of the following applications:

- RMS
- RIB
- RPM
- Oracle Retail Xstore
- RWMS

Technical Concepts

The implementer should understand the following technical concepts:

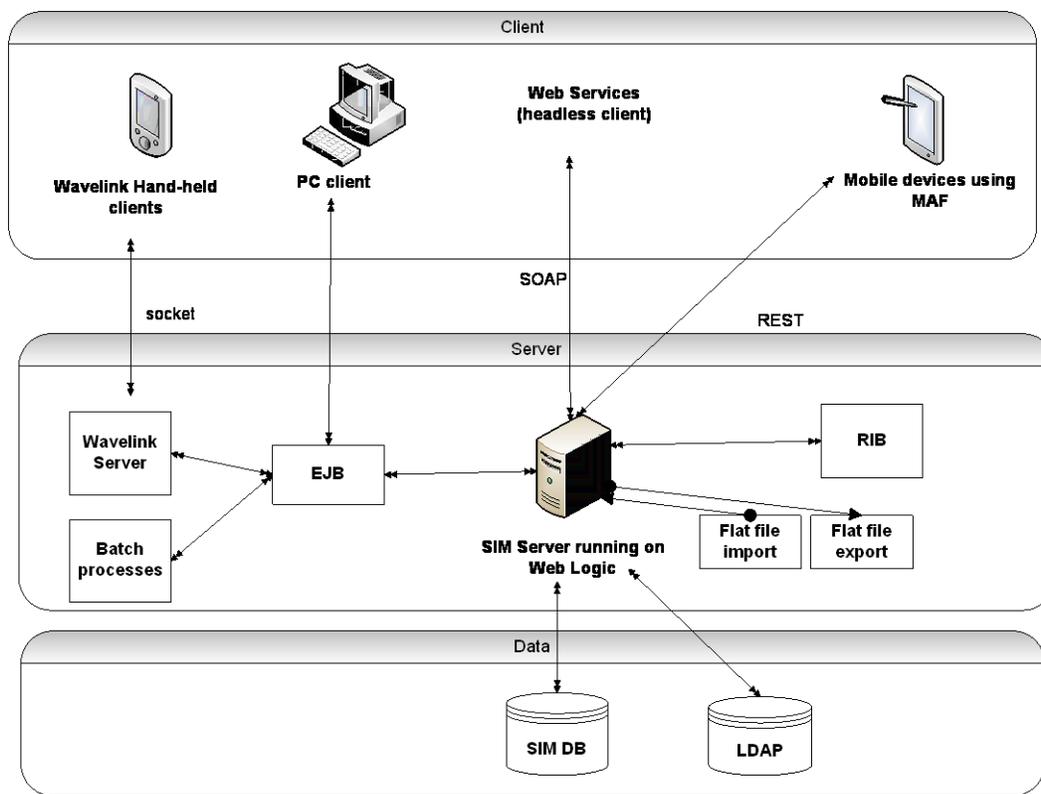
- UNIX system administration, shell scripts, and job scheduling
- Web Logic application server (for Oracle Retail deployments)
- Performance constraints based on the retailer's infrastructure
- Technical architecture, deployment options with load balancer
- Retailer's hierarchical (Stock Keeping Unit (SKU)/store/day) data
- Knowledge of Enterprise-Java including web services, PL/SQL
- Lightweight Directory Access Protocol (LDAP) setup and usage
- BIPublisher (Oracle printing engine) and Internet printing protocol

SIM Technical Overview

SIM Technology Stack

SIM has an n-tier architecture consisting of a client tier, a server tier, and a data tier.

Figure 1: SIM n-tier Architecture



Client Tier

SIM supports multiple clients.

PC Client

The PC-based client is a Java Swing desktop application. Its flow design is optimized for maximum efficiency.

Handheld Client

Our Handheld client consists of wireless devices running Wavelink client software and a communication protocol (telnet like). In addition to Windows mobile devices, Wavelink-UI has been enhanced to render on following Wavelink Studio clients.

- iOS studio-client
- Android-velocity-Wavelink clients

Wavelink Studio-client supports multiple wireless-devices/operating system combinations. For a complete list, please see following.

<http://www.wavelink.com/download/Main.aspx>

The supported sleds are on LANDesk community site –
<https://community.landesk.com/support/docs/DOC-31749?q=supported%20sleds>

Web Services

There is no GUI for SOAP web services API exposed in SIM. These APIs allow customers to create or develop applications or add-ons that can replicate some or all of the steps of a transaction workflow.

Oracle MAF Client

A subset of mobile workflows are available using Oracle Mobile Application Framework (MAF) platform. MAF is a hybrid-mobile platform that supports both iOS and Android devices. For more details, please see SIM MAF Guide.

Server Tier

The server tier contains the SIM server deployed as a J2EE application inside the Weblogic Application Server and the Wavelink 5.x server, a standalone server for the handheld devices.

SIM Client-Server Communication

- SIM server is deployed as JavaEE application
- Server functionality is exposed through EJB ineterfaces
- Client(s) use remote EJBs to access server
- All transactions are container managed
- SIM performance is sensitive to network latency (hence compression from client to server)

Data Tier

The data tier consists of an Oracle database, Oracle Internet Directory (OID)/LDAP and BIPublisher.

- SIM uses JDBC to access data from the database
- Weblogic application server provides a connection pool to use database resources in an efficient fashion
- PL/SQL stored procedures are also used for high volume batch processing

Multiple Products

SIM and Mobile-SIM are two separately licensed products.

SIM includes:

- SIM PC user interface
- SIM Server tier
- SIM Database tier with data access code, batches, reports
- SIM Oracle MAF client

Mobile SIM includes:

- Wavelink Studio Client infrastructure

- SIM UI workflows for handheld

In order to use Mobile-SIM, SIM needs to be deployed. Wavelink Studio Client runs on each wireless device. This piece is not shipped with SIM; it needs to be downloaded from Wavelink's website. This studio-client allows a wireless device to render SIM's wireless screens and communicate data between these distributed devices running at store(s) with server(s) back at corporate data center.

An average SIM deployment in a store has several PC clients and anywhere from 5 to 10 wireless hand-held devices. These clients communicate to SIM server(s) and SIM database(s) deployed at corporate over a WAN.

SIM Deployment

SIM is deployed in three ways:

1. With the rest of RGBU assets such as RMS, RWMS, and RPM along with the RIB.
2. With only POS/Xstore (and/or ATG Commerce) typically without RIB or other enterprise applications.
3. As a stand-alone or point deployment.

SIM has a distributed deployment model with PC and wireless handheld devices running at stores, connecting with server and database hosted at corporate. The central server deployment allows real-time inventory queries for stock-on-hand positions across the enterprise, but requires a fairly robust network connection between store and corporate environments.

SIM runs on handheld devices and PCs in the stores.

The SIM PC Application runs on a PC in a store. It is a heavy Swing client that requires a constant network connection to the SIM Server at corporate.

Wavelink Deployment

For detailed information on Wavelink deployment, please see *Oracle Retail Store Inventory Management Wavelink Studio Client Guide*

Performance: Bandwidth, Scaling

Bandwidth Requirements for SIM PC Clients

Installations with less than 128 KB bandwidth available between the PC client and the data center are not recommended or supported. Limiting the client to less than 128 KB total available bandwidth causes unpredictable network utilization spikes, and the performance of the client degrades below requirements established for the product.

The SIM client that runs on wireless handheld devices is not limited in this way. The handheld client can provide a workable alternative to customers who require SIM functionality in locations that do not provide 128 KB bandwidth.

Network Latency Constraints

SIM is also sensitive to the network latency between the SIM PC client and the data center. Oracle Retail does not recommend or support installations with more than 50 ms total round-trip network latency between the PC client and the data center. Latency beyond the 50 ms limit causes unpredictable network utilization spikes, and the performance of the client degrades below requirements established for the product. The 50 ms limitation provides reasonable, predictable performance and network utilization for transactions.

The SIM handheld client is significantly less affected by network latency and can provide a workable alternative to customers who require SIM functionality in locations with excessive network latency.

Scaling the Wireless Server

You can have as many Wavelink instances as you require. The license cost of the instances is based on the maximum number of concurrent users. For information on licensing Wavelink Studio, see the Oracle Retail Store Inventory Management Installation Guide.

You need one Wavelink instance per 150 to 200 active users. If you require more than one instance per server, it is recommended that you base the number of instances required using 150 active users, as there is little to gain in maximizing the number of users per instance. Using the lower number ensures the instance will not be overloaded.

Scaling Wavelink

There are two principal ways to scale Wavelink:

- Vertically
- Horizontally

Vertical Scaling

To scale vertically, run additional Wavelink instances on a physical server. This is normally done by licensing Wavelink Studio from Wavelink Corporation. The SIM Handheld Application can be scaled by starting multiple Wavelink Server instances. Each Wavelink Server instance is independent, and a load balancer can be put in front of the instances to spread load.

It is important to use sticky sessions on the load balancer. Once a handheld client connects to a specific Wavelink Server instance, it needs to continue to communicate with that specific instance for the rest of its session.

Horizontal Scaling

To scale horizontally, you can use multiple physical servers and a hardware load balancer. The use of multiple servers introduces another challenge, that is, how to load balance and maintain a persistent TCP connection between the Wavelink client and server.

Normally, a load balancer is used to distribute client sessions to application servers. The load balancer needs to support persistent (sticky) TCP connections between the Wavelink client and server. All handhelds then use the load balancer host name and port number.

The hardware load balancer must be able to support generic TCP socket persistence, not just HTTP (which SIM does not use). Also, you need to be careful of socket timeout settings. There could be problems caused by timeout values being too low on the load balancer (or firewall, if used). Having multiple servers is also a best practice for failover purposes.

Multiple Wavelink Instances

The Wavelink Server can be scaled independently of the SIM Server, that is, Wavelink Server instances can be scaled independently of the SIM J2EE containers. Normally, you would have at least one Wavelink instance per SIM container, but if you need to support a greater number of concurrent handheld sessions, multiple Wavelink instances can use the same SIM container. The Wavelink Server instances should use the locally running SIM J2EE container.

Load Balancing

This section describes load balancing for the application server and database.

Application Server Clustering

SIM supports application server clustering with a load balancer for Oracle WebLogic.

The SIM Server can run inside an application server cluster, but the load must be distributed among the nodes in the cluster. SIM PC clients use Java Web Start (JWS). The client that is downloaded as a result of a JWS request retains the server information, meaning the SIM client on that machine always uses the same node in the cluster. Any JWS request at creation time can be load balanced to get to a specific app server instance.

It is also possible to configure a single application server instance with multiple SIM JVMs inside the application server instance. When doing this, an upper limit of 1.5 to 2 JVMs per server CPU is recommended.

Clustering for Oracle WebLogic Server is also supported through a load balancer.

Database Clustering with RAC

SIM supports a RAC-enabled database for performance.

Setup and Configuration

Note: For information about Oracle Single Sign-On and Oracle Retail Store Inventory Management, see the *Oracle Retail Store Inventory Management Installation Guide*.

Oracle Software Security Assurance (OSSA)

Sensitive information such as user credentials must be encrypted and stored in a secure location, known as credential stores. These credential stores are secure software containers that store the encrypted user credentials.

SIM has implemented using credential store alias names in the following areas:

- LDAP connection credentials
- RIB service credentials (publish and subscribe)
- BIP service credentials
- Web service consumer credentials (OMS, manifest)
- WebLogic user credentials (batch, server, wireless users)

SIM uses external secure credential stores for the SIM client to look up SIM remote services:

- SIM stores the database password in a secure credential store for the database standalone program which invokes sqlplus or sqlldr.
- SIM stores the application remote login password in a secure credential store for java application programs.

SIM also modifies programs to use security alias names for accessing database or remote applications:

- The data seeding (import) program passes the user and password when invoking the sqlplus and sql loader (sqlldr) inside the program.
- Any other data import utility or adhoc batch program uses SIM standard java wrapper to call the stored procedure; if using java wrapper is not applicable, and if connecting to the database through a database client utility such as sqlplus or sqlldr, then the secure pass store is used and tnsalias for database connection credential stored in the wallet must be used.

For more information, see “Appendix: Setting Up Password Stores with Oracle Wallet” in *Oracle Retail Store Inventory Management Installation Guide*.

Role Based Security

SIM provides role-based user access control in order to manage application functionality and data available to users.

This role-based user access control allows security to be managed in a way that corresponds closely to the organization’s structure.

This model provides improved support for customization, maintenance, and management of security in SIM, simplifying customer implementations while maintaining a high degree of control and flexibility.

Security is handled by assigning privileges (permissions) to a role in SIM. These roles are assigned to stores and users (in LDAP or SIM). If the user does not have permission, the feature will not be available for user.

SIM secures buttons and drop down values on the PC and menu options on the handheld.

To allow flexibility on how security is implemented, three modes of deployment exist:

External Authentication/Authorization

An external system controls security (LDAP). Users and role/store assignments are administered in LDAP. Roles are set up in SIM and need to match those set up in LDAP. Authentication is performed in LDAP. Note that Oracle LDAP (for example, OID) is the only supported LDAP. This is the default and recommended model of deployment.

Internal Authentication/Authorization

SIM controls all aspects of security. Users, roles, user/role/store/group assignments are all administered in SIM. Authentication is performed in SIM.

External/Internal Authentication/Authorization

A hybrid approach will be used for authentication. Users may be stored either in the external LDAP or in the internal database. Users created in LDAP behave the same way as users created in the external authentication mode, but can be assigned additional roles in the internal database through the SIM management screens. After successful authentication the external user will be granted the permissions associated with roles assigned in both the LDAP and the database. Users that are created in the database will behave the same way as users created in the internal authentication mode.

External Authentication/Authorization Setup (LDAP)

The external security model uses LDAP. In this mode LDAP is the only responsible application for all security control (with exception of assigning permissions to roles). LDAP will need to be set up before users can login.

User Definitions

Users are defined in LDAP as simUser records.

User records contain information such as:

- user name
- status
- user type
- default store
- locale
- other data defined by the schema

To log in to SIM, a user must have an active status (0). Users can be assigned start or end dates to restrict their authorization by date.

User Allowed Stores

Users are assigned stores to which they are allowed access. To log in to a store, the user must first be assigned to that store. The user's allowed stores also restrict which stores the user can be assigned roles for.

Users that are defined as super users are allowed access to all stores, but still require role assignments in order to gain permissions.

Store assignments are stored in LDAP as userStores attributes in simUser records. When a user logs into SIM using the PC client, their default store is automatically selected. The user can change stores by selecting one of their allowed stores from the combo box on the main screen.

User Role Assignments

Users are given permissions by assigning roles to users. Permissions are never directly assigned to users. A user can be assigned multiple roles, producing a combined permission set that is the union of the role permissions.

Role assignments are stored in LDAP for an external model as simUserRole records, which are child nodes of simUser records. Role assignments can have start or end dates to restrict their validity by date. The userRoleStores attribute of the simUserRole record specifies which stores are valid for the role assignment. If no store is specified then the role assignment applies to all stores available to the user.

When a user logs into SIM they are given permissions for all valid role assignments for the store that was selected.

User Group Assignments

Users are granted access to secure interfaces by assigning groups to the user in the SIM User Interface (UI). All SIM users require the authenticated group assignment in order to access SIM (default group name: sim_secure_users).

Table: SIM User Group Assignments

Group	User for?
SIMSecureUsers	Provided by internal authentication / MUST be setup when using LDAP authentication
Admin	Accessing configuration management functionality
Security Ops	Accessing user and security management functionality
MPS	Accessing MPS (staging table) admin functionality
Batch	For triggering batch clients
Integration	Accessing external integration end points (for example, RIB, POS, third-party manifest)
Server Ops	Internal server operations

This list represents application groups.

SIMSecureUsers: This is required for all users who need to access SIM. This is automatically provided for users authenticated with internal database security. For LDAP users, this needs to be set up. This was added in previous releases, but was not enforced. Now it has been made mandatory. Please note that anyone using SIM, needs to have this application group.

The following three (3) groups can be assigned as needed to users:

- **Admin:** Required for administrator operation, such as configuration management.
- **Security:** Required for security management operation, such as user and role management.
- **MPS:** Required for MPS management operation, such as staged messages and work type screens.

The following three (3) groups are not meant to be used for store-users:

- Integration: Required for accessing integration end points. RIB is a default integration user.
- Batch: Required for batch job operation (batch client).
- Server: Used for internal server operation, not used by remote or external clients.

Additional special purpose groups should be assigned to users as needed for accessing special interfaces, such as administrator operations, or security management operations.

Setting up LDAP Data

SIM is intended to work with any Lightweight Directory Access Protocol (LDAP) product. Out of the box, SIM ships sample `.ldif` files that can be used to create data in an LDAP system. We expect customers to use these files as examples to create their own data load files and hook into their own pre-existing corporate LDAP authentication system.

Once an LDAP server has been installed, the SIM data schema (`SIM.schema`) must be loaded on top of the default LDAP core schema (`core.schema`) supplied by the server. The following sample LDIF files are included in this release at `SIM_INSTALL_DIR/sim/application/sim15/ldap`. For more information, see [Appendix: LDAP Schema](#).

Note: The following scripts and configuration files are provided as examples only. Variations will be necessary to match the data setup in SIM and the LDAP server that is chosen and installed.

readme.txt

Descriptions of the files in the directory and an overview of how the data needs to be structured in LDAP.

sim_objectclasses.ldif

The objectclasses that are used and required by SIM. This file can be used directly to create the required objectclasses in your LDAP directory.

sim_add_company.ldif

The base company container. This file must be modified before it is imported into your LDAP system.

sim_add_containers.ldif

The containers for holding users, stores, and roles. This file must be modified before it is imported into your LDAP system.

sim_data_roles.ldif

Sample role data. This file must be modified before it is imported into your LDAP system.

sim_data_stores.ldif

Sample store data. This file must be modified before it is imported into your LDAP system.

sim_data_users.ldif

Sample user data. This file must be modified before it is imported into your LDAP system.

sim_data_users_roles.ldif

Sample user role assignment data. This file must be modified before it is imported into your LDAP system.

sim_data_groups.ldif

Sample group data. This file must be modified before it is imported into your LDAP system.

sim_data_users_groups.ldif

Sample user group assignment data. This file must be modified before it is imported into your LDAP system.

Note: A simUser can have more than one simStore by simply repeating the userStores line, but should only have one defaultStore. A simUserRole can also have more than one simStore by repeating the userRoleStores line.

Using Oracle Virtual Directory to Authenticate SIM

This document explains how to use the Oracle Virtual Directory (OVD) to authenticate Oracle Retail Store Inventory Management.

The following document is available through My Oracle Support (formerly MetaLink). Access My Oracle Support at the following URL:

<https://support.oracle.com>

Oracle Retail Store Inventory Management: Using Oracle Virtual Directory to Authenticate Oracle Retail Store Inventory Management (**Doc ID: 840179.1**).

Internal Authentication/Authorization Setup (SIM)

The default security model in SIM is LDAP authentication (external authentication). To change the security model to use internal security,

1. Please use a preferred method of changing via MBean browser. Under SystemConfig MBean, change SECURITY_AUTHENTICATION_METHOD value to 0.

Please see section: Admin System and Store configurations - with mBeans and Appendix: Connecting to the SIM Domain Runtime MBean Server, on how to use MBean browser.

Only if you have DB privileges, run

```
update CONFIG_SYSTEM set VALUE = '0' where name =
'SECURITY_AUTHENTICATION_METHOD';
```

2. Once the security method is changed to internal security, you need to change authentication provider to SIM Database Authentication provider.

Please see *Oracle Retail Store Inventory Management Installation Guide* "SIM Database Authentication Provider set up" section for detail.

User Definitions

Users are defined in SIM through the UI.

User records contain information such as:

- user name
- status
- user type
- default store
- locale
- other data defined by the UI

To log in to SIM, a user must have an active status. Users can be assigned start or end dates to restrict their authorization by date.

User Allowed Stores

Users are assigned to stores to which they are allowed access. To log in to a store, the user must first be assigned to this store. The user's allowed stores also restrict which stores the user can be assigned roles for.

Users that are defined as super users are allowed access to all stores, but still require role assignments in order to gain permissions. New stores are automatically assigned to this user, but role assignments are not.

When a user logs into SIM using the PC client their default store is automatically selected. The user can change stores by selecting one of the allowed stores from the combo box on the main screen.

User Role Assignments

Users are given permissions by assigning roles to users in the SIM UI. Permissions are never directly assigned to users. A user can be assigned multiple roles, producing a combined permission set that is the union of the role permissions.

Role assignments can have start or end dates to restrict their validity by date.

Since users can have different roles at different stores (for example, a manager in Store One, but sales associate in Store Two), roles and stores are assigned as a pair to a user. This allows for very specific setup in SIM.

When a user logs into SIM they are given permissions for all valid role assignments for the store that was selected.

User Group Assignments

Users are granted access to secure interfaces by assigning groups to the user in the SIM UI. The SIM database authentication provider automatically assigns the authenticated group upon successful authentication. Only additional special purpose groups should be assigned to users as needed for accessing special interfaces, such as administrator operations, or security management operations.

External/Internal Authentication/Authorization Setup (SIM/LDAP)

SIM Internal assigned roles will be added to the external user assigned roles. In case the user is fully internal to SIM, SIM password information will be used to authenticate.

It is optional to create a user in SIM, or assign roles in SIM.

User Definitions

Users are defined in SIM through the UI or in LDAP.

Users can be created externally in LDAP or internally in SIM.

User Allowed Stores

Users created in LDAP or SIM can be assigned to stores in their respective system.

User Role Assignments

Users created in SIM can only be assigned to roles within SIM. Users created in LDAP can be assigned to roles in both SIM and LDAP.

User Group Assignments

Users created in LDAP or SIM can be assigned to groups in their respective system as described in the internal and external mode setup.

Time Zones

For many SIM retailers, a corporate server is located in a different time zone than the stores connected to that corporate server. When a transaction is processed at these respective locations, there is time stamp information associated with these transactions. SIM has the ability to reconcile these time zone differences.

SIM requires a valid time zone set up for each store, for stores imported from external source which have no time zones assigned, the retailer needs to set valid time zone for the store. SIM store time zone is stored in column STORE.TIMEZONE.

Note: The SIM database view TIME_ZONE_NAMES_V contains a complete list of time zones.

Data Seeding

SIM data seeding scripts provide a means of importing store inventory data from external data sources. The data files being imported into SIM can be exported from ORMS (Oracle Retail Merchandise System), or the retailer needs to provide their own utility to setup store and store inventory data in SIM prior to using the SIM application.

Note: Data seeding is only applicable for full SIM release to load store foundation data into SIM after SIM database is installed.

Data seeding and the upgrade process are mutually exclusive. For upgrading from old versions of SIM, see *Oracle Retail Store Inventory Management Upgrade Guide* for details.

Data Seeding Process

1. **Setup:** Create temporary objects, disable foreign key constraints, and generate a file which contains the snapshot of the disabled foreign key constraints file before data seeding process starts.
2. **Export Foundation Data:** Export base foundation data (non-store specific data) from RMS database.
3. **Export Store Data:** Export store specific data from RMS database. The process creates a store_list.dat file which contains each exported store. The export data file for each store data is contained in the folder which is named by store ID.
4. **Import Foundation Data:** Import inventory foundation data from export data file into SIM inventory foundation table.

5. **Import Store Data:** Import inventory store data from export data file into SIM inventory store table.
6. **Cleanup:** Remove temporary objects, enable constraints.

The following diagram shows the different types of information that need to be data-seeded from RMS to SIM.

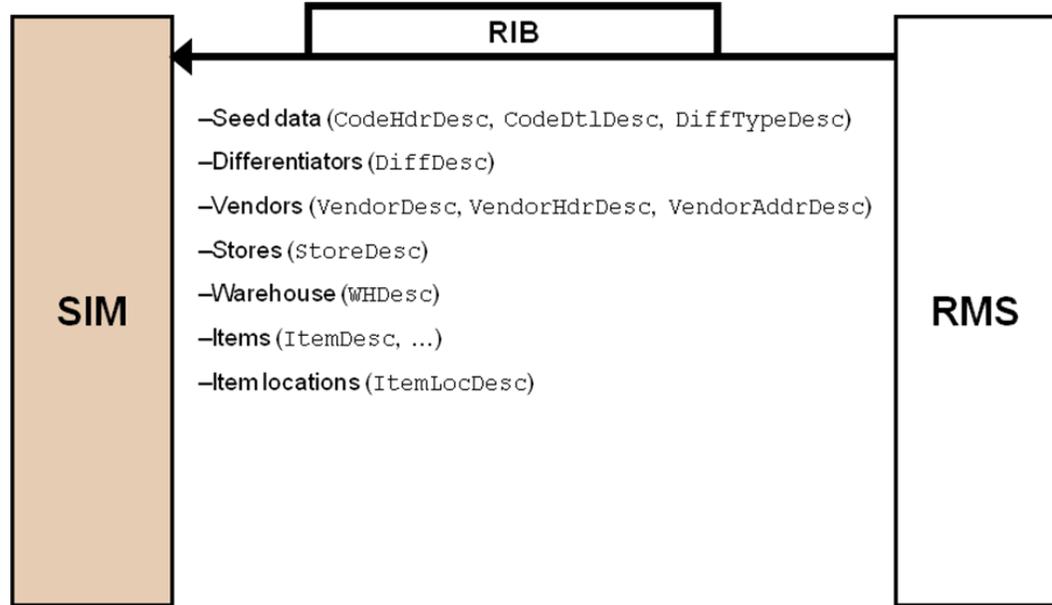
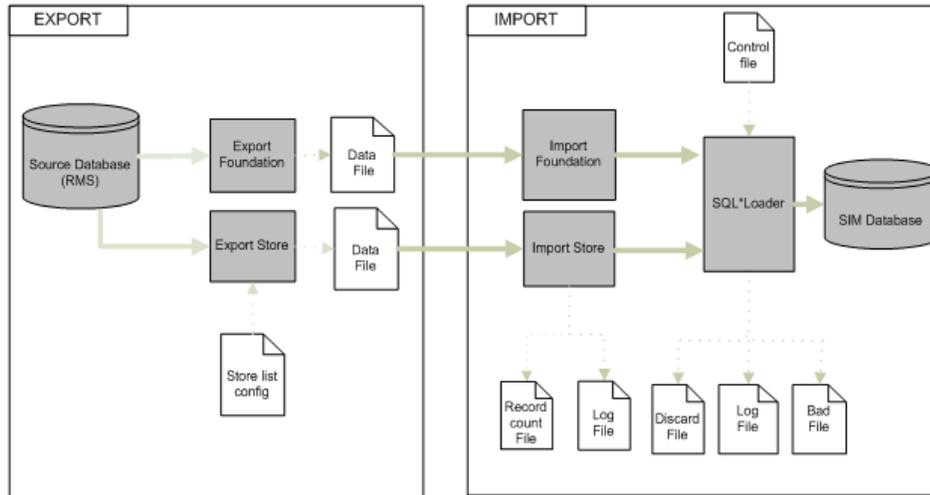


Figure 2: Data Seeding Technical Architecture



The inventory base data contains following two categories:

- Inventory Foundation Data: Inventory data which are not store specific.
- Store Inventory Data: Store specific inventory data.

Table: Inventory Base Data - Foundation Data

Category	Table Name	Note
Foundation	ADDRESS	Seed warehouse, partner, and supplier addresses (store addresses are seeded as part of store data).
	DELIVERY_SLOT	
	DIFFERENTIATOR	
	DIFFERENTIATOR_TYPE	
	ITEM	
	ITEM_COMPONENT	
	ITEM_HIERARCHY	
	ITEM_IMAGE	
	ITEM_TICKET_TYPE	Item ticket type. This table contains SIM system control data. The external seeded data are inserted into this table only if the same item ticket types are not part of the SIM pre-installed system data.
	ITEM_UDA	
	PARTNER	
	PARTNER_ITEM	
	RELATED_ITEM_TYPE	
	RELATED_ITEM	
	STORE_TRANSFER_ZONE	
	SUPPLIER	
	SUPPLIER_ITEM	
	SUPPLIER_ITEM_COUNTRY	
	SUPPLIER_ITEM_COUNTRY_DIM	
	SUPPLIER_ITEM_MANUFACTURE	
	SUPPLIER_ITEM_UOM	
	UDA	
	UDA_LOV	

Category	Table Name	Note
	UIN_LABEL	UIN Label This table contains SIM system control data. The external seeded data are inserted into this table only if the same item ticket types are not part of the SIM pre-installed system data.
	UOM_CLASS	
	UOM_CONVERSION	
	WAREHOUSE	
	WAREHOUSE_ITEM	

Table: Inventory Base Data - Store Data

Category	Table Name	Note
	ADDRESS	Seed store addresses (warehouse, supplier, and partner addresses are seeded as part of foundation data).
Store	CONFIG_STORE	CONFIG_STORE records are created for each store seeded into SIM by copying the default settings from CONFIG_STORE_DEFAULT table.
	ITEM_PRICE	The RMS item location selling unit retail price is seeded into SIM as initial regular item price.
	ITEM_PRICE_HISTORY	For each ITEM_PRICE record, a price record is inserted into ITEM_PRICE_HISTORY.
	REPORT_FORMAT	REPORT_FORMAT records are created for each store seeded into SIM by copying the default settings from REPORT_FORMAT_DEFAULT table.
	STORE	
	STORE_ITEM	
	STORE_ITEM_STOCK	
	STORE_ITEM_STOCK_NONSE L	
	STORE_SEQUENCE_AREA	For each store seeded into SIM, a default record is created for the store.
	STORE_UIN_ADMIN_ITEM	

Data Seeding Components

Following are the main data seeding components and their usage descriptions:

Table: Data Seeding Components and Usage Descriptions

Component Name	Description
setup	Creates temporary objects, it also disable foreign key constraints, and generate a file which contains the snapshot of the disabled foreign key constraints file before data seeding process starts.
Export Foundation Data	Export base foundation data (non-store specific data) from RMS database.
Export Store Data	Export store specific data from RMS database. The process creates a store_list.dat file which contains each exported store. The export data file for each store data is contained in the folder which is named by store ID. See "Defining Store List" section for details.
Import Foundation Data	Import inventory foundation data from export data file into SIM inventory foundation table. See Inventory Base Data - Foundation Data table for target tables.
Import Store Data	Import inventory store data from export data file into SIM inventory store table. See Inventory Base Data - Foundation Data table for target tables. See "Defining Store List" section for details.
cleanup	Remove temporary objects, enable constraints.

Defining Store List

By default, export store data exports all SIM relevant stores from RMS into flat files, and import process will import all exported stores into SIM database.

You only need to define store list in one of the following scenarios:

Do not export all SIM relevant stores from RMS, only export some of the stores.

Do not import from all exported stores, only import some of the exported stores.

1. Create the store_list.conf file and put it at following location:

`<data_seeding_base_dir>/export/store/config`

Example:

```
store_list.cfg
1111
1112
```

2. **Export process:** If store_list.cfg file is not defined, then the export process generates the store_list.dat which contains all SIM relevant stores from RMS, otherwise only the stores listed in the store_list.cfg file will be exported.
3. **Import process:** The import process reads the file from `<data_seeding_base_dir>/data/export/store/ store_list.dat` which was generated by the export store processes, and import store data from export files for each store listed in the store_list.dat file.

Executing Data Seeding Scripts

See "Running Data Seeding" in the *Oracle Retail Store Inventory Management Installation Guide* for data seeding execution step details.

How SIM Associates Menus and Menu Items

Menus and buttons on the PC are defined in the PC_MENU_ITEM table. In order to add a new button, a new row must be put into the PC_MENU_ITEM table.

For more information, see "Update the PC Screen" in *Oracle Retail Store Inventory Management Extension Guide*.

Permission Definitions

The permissions used in SIM are stored in the SECURITY_PERMISSION table.

Permissions are identified by a unique name, which is used by the application to control user access and in the `navigation.xml` file to associate menus with permissions.

Permissions can be associated with a permission group, which are stored in the SECURITY_PERMISSION_GROUP table. Permission groups are sets of permissions that allow permissions to be filtered by category during role creation or searches.

For more information, see [Appendix: Permissions](#).

Defaulting Store Configuration Parameters

There are a number of store options related to functionality in SIM. These can be configured at the store level; however it is best to have reasonable default values for these options so that when new stores are created in SIM (either through data seeding or by getting a message from the RIB), the default value will be copied from default configuration for new added store.

Admin System and Store Configurations - with mBeans (New in v16)

As part of streamlining security, an additional configuration option - Java Management Extensions (JMX) / mBeans, has been added. JMX provides ability to manage or get state of configurations dynamically using standard inbuilt tools. For UI/browser, one can use either JConsole (which is standard part of JDK) OR MBean browser (which is standard part of Web Logic Application Server).

Configuration values, that are generally setup by administrator, can only be changed via MBean browser.

Most of the SIM configuration values can be changed via both SIM PC UI and this JMX/mBean UI.

Table: System Configuration Entries only exposed via MBean Browser (not in SIM PC Client UI)

(Notes: entries common in both PC client and MBean are not listed)

Name	Topic	Valid Values	Default Value	Description
DAYS_TO_HOLD_AUDIT_RECORDS	PURGE	Numeric	30	Records are deleted in which the create date is less than or equal to the current date minus the number of days to hold.

Name	Topic	Valid Values	Default Value	Description
DAYS_TO_HOLD_BATCH_LOG	PURGE	Numeric	30	Batch execution records are deleted in which the end date is less than or equal to the current date minus the number of days to hold.
DAYS_TO_HOLD_CANCELLED_ITEM_REQUESTS	PURGE	Numeric	15	After this number of days, all records in Printed or Cancelled status are purged from the database, where the status date is less than or equal to the current date minus the number of days to hold.
DAYS_TO_HOLD_CANCELLED_TEMP LATES	PURGE	Numeric	30	Indicates the number of days that Canceled Templates will be held in the system before being purged.
DAYS_TO_HOLD_CLOSED_TRANSFER_DOCUMENT	PURGE	Numeric	30	Indicates how long closed transfer documents should be kept in the system.
DAYS_TO_HOLD_COMPLETED_INV_A DJ	PURGE	Numeric	30	Records in Complete status are deleted, where the inventory complete date is less than or equal to the current date minus the number of days to hold.
DAYS_TO_HOLD_COMPLETED_PURC HASE_ORDERS	PURGE	Numeric	30	All records in Closed status are purged after this number of days, where the complete date (the date of when all items were received on the order) is less than or equal to the current date minus the number of days to hold.
DAYS_TO_HOLD_COMPLETED_STAGI NG_RECORDS	PURGE	Numeric	5	All successfully processed or deleted records will be purged where the update date is less than or equal to the current date minus the days to hold.
DAYS_TO_HOLD_COMPLETED_STOC K_COUNTS	PURGE	Numeric	30	Purge any records this number of days after the last stock count event has occurred. In other words, when the schedule date is less than or equal to the current date, SIM subtracts the number of days to hold completed stock counts from the date and deletes when this date is reached. A record is purged if the stock count has a status of Complete , except in the case of Unit and Amount stock counts. Unit and Amount stock counts are deleted only when the status is Authorize Completed.

Name	Topic	Valid Values	Default Value	Description
DAYS_TO_HOLD_COMPLETED_UINS	PURGE	Numeric	120	Indicates how long completed UINs are kept in the system. Completed UINs are defined as any UIN that is in one of the following statuses: <ul style="list-style-type: none"> ▪ Sold ▪ Shipped to Warehouse ▪ Shipped to Vendor ▪ Shipped to Finisher ▪ Removed from Inventory ▪ Customer Fulfilled
DAYS_TO_HOLD_CUSTOMER_ORDER S	PURGE	Numeric	180	Indicates the number of days to hold a customer order in the system.
DAYS_TO_HOLD_DATASEED_CTL_RECORDS	PURGE	Numeric	30	Indicates days to retain BDI data control activity records.
DAYS_TO_HOLD_EXPIRED_PRICE	PURGE	Numeric	30	Indicates the number of days to hold an expired item price in the system.
DAYS_TO_HOLD_IN_PROGRESS_AD_HOC_STOCK_COUNTS	PURGE	Numeric	1	Any ad hoc count with a creation date/time stamp older than this number of days is deleted.
DAYS_TO_HOLD_ITEM_TICKETS	PURGE	Numeric	15	After this number of days, all records in Printed or Cancelled status are purged from the database, where the status date is less than or equal to the current date minus the number of days to hold.
DAYS_TO_HOLD_LOCKING_RECORDS	PURGE	Numeric	3	Locking records are sometimes left behind because of system crashes or incorrect logout functionality. After this number of days, these records are deleted.
DAYS_TO_HOLD_NOTIFICATIONS	PURGE	Numeric	14	This parameter will be used to purge notifications.
DAYS_TO_HOLD_PRICE_CHANGE_WORKSHEET	PURGE	Numeric	30	All price change worksheet records in Completed , Approved , and Rejected status are purged after this number of days, where the price change effective date is less than or equal to the current date minus the number of days to hold.
DAYS_TO_HOLD_PRICE_HISTORY	PURGE	Numeric	0	Item price history records with effective date less than current date minus this value are deleted.
DAYS_TO_HOLD_RECEIVED_SHIPMENTS	PURGE	Numeric	30	All records in Complete and Canceled status are purged after this number of days, where the inventory completed date is less than the current date minus the number of days to hold.
DAYS_TO_HOLD_RELATED_ITEMS	PURGE	Numeric	60	Indicates how long related items are kept in the system.

Name	Topic	Valid Values	Default Value	Description
DAYS_TO_HOLD_RESOLVED_UIN_EXCEPTIONS	PURGE	Numeric	120	Indicates how long resolved UIN exceptions are kept in the system. The date the exception was resolved is the date the system uses to determine if the exception is ready to be purged.
DAYS_TO_HOLD_RTV	PURGE	Numeric	30	This parameter will decide which RTV documents and shipments need to be purged. The value in this parameter will decide the number of days after a RTV document or shipment gets into cancelled or completed status for document and cancelled or shipped for shipment.
DAYS_TO_HOLD_SALES_POSTING	PURGE	Numeric	120	Indicates how long Point-of-Service transactions uploaded from either Oracle Retail Point-of-Service (ORPOS) or Oracle Retail Sales Audit (ReSA) are kept in the system.
DAYS_TO_HOLD_SHELF_ADJUSTMENT_LISTS	PURGE	Numeric	30	Indicates how long shelf adjustments should be kept in the system.
DAYS_TO_HOLD_SHELF_REPLENISHMENTS	PURGE	Numeric	30	Indicates how long shelf replenishments should be kept in the system.
DAYS_TO_HOLD_TRANSACTION_HISTORY	PURGE	Numeric	10	Indicates how long transaction history should be kept in the system.
DAYS_TO_HOLD_UIN_AUDIT_INFORMATION	PURGE	Numeric	120	Indicates how long UIN audit information is kept in the system. Audit information can be purged for a UIN within the system. The date the audit transaction was captured is used to determine if the record needs to be purged.
DEFAULT_FILE_DATE_FORMAT	ADMIN	yyyyMMddHHmmss	Date	This system parameter indicates the date format in Pos Transaction and Resa batch data file.
EMAIL_FROM_NAME	ADMIN	Editable text field	simAlert@myCompany.com	When the system sends e-mail alerts, the specified e-mail address is displayed in the "from" name.
ENABLE_GMT_FOR_CUSTOMER_ORDERS	TIME_ZONE	Yes, No	Yes	Dictates whether the Customer Order data being loaded into the system is in GMT.
ENABLE_GMT_FOR_DEXNEX	TIME_ZONE	Yes, No	No	Dictates whether or not the Dex/Nex data being loaded into the system is in GMT.
ENABLE_GMT_FOR_DIRECT_DELIVERIES	TIME_ZONE	Yes, No	No	Indicates whether or not the Direct Delivery messages published by an external system should have dates in GMT or not.
ENABLE_GMT_FOR_FOUNDATION_DATA	TIME_ZONE	Yes, No	No	Indicates whether or not any foundation data messages being loaded into the system are in GMT.

Name	Topic	Valid Values	Default Value	Description
ENABLE_GMT_FOR_INVENTORY_ADJUSTMENTS	TIME_ZONE	Yes, No	No	Indicates which date/time stamp is used in the inventory adjustment message when it is being published.
ENABLE_GMT_FOR_ITEM_REQUESTS	TIME_ZONE	Yes, No	No	Indicates whether or not the Item Request message being published should contain date/time stamps in GMT or not.
ENABLE_GMT_FOR_POS_IMPORT	TIME_ZONE	Yes, No	No	Indicates whether or not the POS Sales data is being loaded into the system are in GMT.
ENABLE_GMT_FOR_PRICE_CHANGES	TIME_ZONE	Yes, No	No	Indicates whether price change messages being loaded into the system are in GMT or not. This also determines if the pricing date fields need to be converted when pushing data to a price management application.
ENABLE_GMT_FOR_RECEIVING	TIME_ZONE	Yes, No	No	Indicates whether or not receiving messages need to be published in GMT or not.
ENABLE_GMT_FOR_RESA_IMPORT	TIME_ZONE	Yes, No	No	Indicates whether or not ReSA sales data is being loaded into the system in GMT.
ENABLE_GMT_FOR_RTVS	TIME_ZONE	Yes, No	No	Indicates whether or not the RTV message being loaded into the system is in GMT. Likewise, if SIM publishes any RTV message this will determine which date/time stamp is used on the message as well.
ENABLE_GMT_FOR_STOCK_COUNTS	TIME_ZONE	Yes, No	No	Indicates which date/time stamp is used in the stock count message when it is being published.
ENABLE_GMT_FOR_STORE_ORDERS	TIME_ZONE	Yes, No	No	Indicates whether or not the purchase order messages being loaded into the system has dates in GMT or not. Likewise, if SIM publishes any purchase order message this will determine which date/time stamp is used on the message as well.
ENABLE_GMT_FOR_STORE_TRANSFERS	TIME_ZONE	Yes, No	No	Indicates whether or not the Transfer messages being loaded into the system from an external system has dates in GMT or not. Likewise, if SIM publishes any Transfer messages to an external system this will determine which date/time stamp is used on the message as well.
ENABLE_GMT_FOR_THIRDPARTYSTOCKCOUNTS	TIME_ZONE	Yes, No	No	Indicates whether the date/time stamp in the Third party stock count file (DSLDDAT) is in GMT or not.
ENABLE_GMT_FOR_VENDOR_ASN	TIME_ZONE	Yes, No	No	Indicates whether or not the Vendor ASN messages being loaded into the system have dates in GMT or not.

Name	Topic	Valid Values	Default Value	Description
ENABLE_GMT_FOR_WAREHOUSE_TRANSFERS	TIME_ZONE	Yes, No	No	Indicates whether or not the transfer messages being loaded into the system have GMT dates or not. Likewise, if SIM publishes any transfer message to an external system this will determine which date/time stamp is used on the message as well.
MPS_ENABLED	MPS	Yes, No	Yes	Indicates whether MPS is enabled.
MPS_INC_THREADS	MPS	1-99	2	The number of MPS workers the coordinator may start per refresh interval.
MPS_MAX_THREADS	MPS	1-99	8	The maximum number of concurrent MPS workers that may be running.
MPS_QUEUE_MAX_AGE_SECS	MPS	0-99999	180	The maximum duration in seconds before active MPS work queue is regenerated.
MPS_QUEUE_MAX_SIZE	MPS	1-99999	1000	The maximum length of the MPS work queue.
MPS_REFRESH_RATE_SECS	MPS	0-99999	15	Refresh rate in seconds for MPS coordinator and work manager.
PASSWORD_ASSIGNMENT_EMAIL_USER	PASSWORD	Yes, No	No	When a user is assigned a new password it will be emailed to the user.
PASSWORD_NUMBER_OF_PREVIOUS_TO_DISALLOW	PASSOWRD	0-999	10	The number of previous passwords to disallow for new user passwords.
POS_TRANSACTION_SYNC_PROCESSING_MAX_SIZE	ADMIN	0-100	10	This parameter identifies the transaction size that can be picked up for synchronous pos transaction processing. While serving pos transaction import request (batch or web service), if the total number of transactions in the request is below this parameter, SIM will try to process the transactions (update inventory) synchronously and not throw MPS polling framework. Anything above that gets staged in MPS_STAGED_MESSAGE table for later processing.
PRICE_IMPORT_DEFAULT_SIZE_PER_EXTRACT	ADMIN	0-9999	1000	This system parameter is used in bulk price change import batch to control number of staged price change worksheet records that can be processed for each extract id assigned. For example, if there are 10,000 price change worksheet records, the PRICE_IMPORT_DEFAULT_SIZE_PER_EXTRACT default value is 1000, then 10 extracts will be assigned to the staged price change worksheet records, and multiple extracts can be processed parallel, and transactions are controlled by extract id.

Name	Topic	Valid Values	Default Value	Description
TICKET_PRINT_GROUP_QTY	ADMIN	Yes, No	No	Controls max ticket quantity per ticket print group for batch ticket print.
SECURITY_DEFAULT_DAYS_FOR_TEMP_ROLE_END_DATE	SECURITY	Numeric	5	When setting up a temporary role, the system will default the end date based on the current date + x days set by this parameter.
SECURITY_DAYS_TO_HOLD_DELETED_USERS	PURGE	Numeric	30	This will determine the number of days users with a Deleted status will be held in the system. When the status of the user is updated to Deleted, the system should capture the date in GMT and use that as a basis for determining when the user should be purged from the system. All role, store, password history, and so forth should be purged as well.
SECURITY_DAYS_TO_HOLD_EXPIRED_USER_ROLES	PURGE	Numeric	30	Store managers have the ability to assign temporary roles to users in the store. For roles that require an expiration date, after the number of days as defined by this new parameter, the temporary roles should be purged from the user.

Table: Store Configuration Entries only editable via MBean Browser, user can still view them on SIM PC UI

Name	Topic	Valid Values	Default Value	Description
MANIFEST_CUSTOMER_ORDER_DELIVERIES	WEB_SERVICE_ENABLEMENT	Yes, No	No	If Yes, the Manifesting system will be called for customer order deliveries. If No, the Manifesting system will not be called.
MANIFEST_RETURNS_FINISHER	WEB_SERVICE_ENABLEMENT	Yes, No	No	If Yes, the Manifesting system will be called for Return to Finisher. If No, the Manifesting system will not be called.
MANIFEST_RETURNS_SUPPLIER	WEB_SERVICE_ENABLEMENT	Yes, No	No	If Yes, the Manifesting system will be called for Return to Supplier. If No, the Manifesting system will not be called.
MANIFEST_RETURNS_WAREHOUSE	WEB_SERVICE_ENABLEMENT	Yes, No	No	If Yes, the Manifesting system will be called for Return to Warehouse. If No, the Manifesting system will not be called.
MANIFEST_STORE_TO_STORE_TRANSFERS	WEB_SERVICE_ENABLEMENT	Yes, No	No	If Yes, the Manifesting system will be called for Store to Store Transfers. If No, the Manifesting system will not be called.

Name	Topic	Valid Values	Default Value	Description
OMS_CUSTOMER_ORDER_DELIVERY_VALIDATION	WEB_SERVICE_ENABLEMENT	Yes, No	No	If Yes, the OMS system will be called for validating delivery status and quantities before completing the dispatch. If No, the OMS system will not be called.
UIN_PROCESSING_ENABLED	ADMIN	Yes, No	Yes	Dictates whether any of the UIN functionality is available within SIM for each store. If the parameter is No , then none of the UIN buttons or fields will be present in the application.

For details please see [Appendix: Connecting to the SIM Domain Runtime MBean Server](#).

UIN (Unique Identifying Number)

Overview

Retailers who sell items such as electronics, cell phones, weapons, medication, and fresh items often have to track unique numbers or attributes for a single item or a group of items. These numbers are often called serial numbers, batches, unique identification numbers, FCC ID, expiration ID, and so on.

SIM now supports unique identification number logic. The retailer can track the individual instance of an item in SIM from the moment it enters the store until the moment it leaves the store, resulting in better inventory control. UIN tracking is expected to reduce shrinkage, hold stores accountable for individual items, and increase customer satisfaction.

In SIM, UIN functionality allows the user to:

- Lookup a UIN
- View audit trail of UINs
- Resolve UIN discrepancies
- Update UIN status
- Receive UINs (Direct Delivery, Warehouse Delivery, Transfer)
- Count UINs (Stock Counts)
- Perform Inventory Adjustments on UINs
- Prints (Ticketing)

UINs can be captured at the time of sale (Oracle Retail Point-of-Service) or at the time of store receiving (SIM). If the UIN is captured at the time of the sale, Point-of-Service captures the UIN and the UIN is not tracked in SIM. If the UIN is captured at the time of receiving, SIM captures the serial number when it arrives in the store using a direct store delivery or warehouse delivery. UINs can also be pre-populated on the delivery.

UINs are not allowed for type 2 items, non-inventory items, notional packs, non-sellable simple packs, concession items and consignment items.

Auto Generated Serial Numbers (AGSNs)

SIM also has the ability to auto generate UINs and track the item with that UIN number. The UINs are created during the receiving process and a label is generated for each of these units.

Auto-generated serial numbers will be generated during the receiving process or while performing a stock count or inventory adjustment. If auto generation is being used during the receiving process, the UIN is captured and the UIN information is provided to the user after receipt confirmation.

An auto generation process generates UINs in a sequenced order and assigns to items as needed during DSD receiving, Warehouse Delivery, Transfer Receiving, Stock Counts and Inventory Adjustments.

The default process uses a sequence generated number and is configurable so the customer can enter a desired starting point or hook it into an external service (through customizations).

An audit record is captured for each UIN that has a status updated.

When an item is scanned during the receiving process, the system checks to see if a UIN is required to be captured for the item. If the UIN type is set to Auto Generation (AGSN), the Auto Generation routine will be called and the generated number is displayed on the UIN pop-up after the items have been confirmed for the warehouse delivery, DSD, or transfer.

SIM will automatically print an item ticket with the newly generated UIN number.

Note: The print option will only be available for generated UINs. The user will not be able to print UINs that are not auto generated by the system.

- UINs are auto-generated upon receipt confirmation of a warehouse delivery or direct store delivery and labels are printed for each UIN
- UINs are auto-generated for incoming transfers that are received from a store that does not capture UINs
- UINs are auto-generated for inventory adjustments with disposition movement of OUT -> ATS and a ticket prints automatically
- Ability to print/re-print AGSN from Item Ticket Detail screen and UIN Detail screen
- UINs are auto-generated for receiver unit adjustments where the quantity has increased

Note: For externally created adjustments, manual intervention is needed.

AGSN Auto-Ticket Printing

When a new AGSN item is received, SIM automatically prints a ticket.

To improve performance while receiving serialized items, the generated UINs are stored in a print batch table, grouped by a batch ID. This batch ID is pushed to a staging queue. This ends the receiving operation.

A polling timer picks the staged UIN print batch message and prints the UINs as a batch through a UIN print batch consumer.

Instead of printing AGSN item tickets directly upon the receipt, the printing goes through the polling timer. Printing is done asynchronously, depending on the frequency of the polling timer.

The AGSN report template prints multiple pages (batch UINs) or a single page (single UIN).

UIN AutoNumber

To facilitate the application of serial numbers (UIN), SIM adds a new process that creates the UIN and tracks the item with that number.

During the receiving process, SIM registers how many units are received and generates a label for these units. The process will be identical to how a user receives without capturing UINs, but units are tracked.

The benefits for such a model is the speed of the receiving, which can be done at container level, and removes difficulties some users encounter, for example, trying to find the barcode on large items such as a refrigerator, or determining how to track an item such as a cell phone, which has three barcodes.

For auto-generated serial numbers, SIM bypasses entering individual specific serial numbers at the time of receiving and simply accepts a quantity. This operation is the

opposite of normal serial number operations. The quantity entered is then used to generate serial numbers and assign them to the particular item.

AutoGenerateSerialNumberDao contains APIs to retrieve a number of new IDs (or serial numbers) based on the count parameter. This is handled by getting the next values from the AUTO_GENERATE_SN_SEQ sequence. SIM can be modified to generate any sort of serial number the user needs by changing dao.cfg. The user can plug in any class in the AUTO_GENERATE_SERIAL_NUMBER_DAO=xxx line and implement any process to generate serial numbers.

If a previously existing auto generated serial number is scanned, it is treated identical to regular serial numbers.

Table: Enumerations

Enumeration	Description
FunctionalArea	Describes the business functional area and sometimes phase of the business process.
UINType	Describes the type of a UIN. Currently only SERIAL and AGSN are available.
UINStatus	Describes the status of the UIN.
UINCaptureTime	For the specific item and store, it defines the time when a new UIN may be captured and inserted into the data store. Either SALE or STORE_RECEIVING.
UINAvailability	Used as a parameter when searching for records based on availability.
UINActionType	This represents action type that triggered a UIN update (namely from a web service).

Table: UINStatus

Name	Code	Description	Comment
IN_STOCK	0	In Stock	This status can be sold, inventory adjusted, stock counted, shipped, reserved for shipping and reserved for sale.
SOLD	1	Sold	This status is considered a final status and can only be changed through a stock count, return or inventory adjustment.
SHIPPED_TO_WAREHOUSE	2	Shipped To Warehouse	This status is considered a final status and can only be changed through another receipt or special inventory adjustment.
SHIPPED_TO_STORE	3	Shipped To Store	This status can be changed to in stock when the item is received, unavailable if the item is damaged during return or removed from inventory in case it is short received.

Name	Code	Description	Comment
RESERVED_FOR_SHIPPING	4	Reserved For Shipping	This status indicates UIN on return or transfer.
SHIPPED_TO_VENDOR	5	Ship To Vendor	This status is considered a final status and can only be changed through another receipt or special inventory adjustment.
REMOVED_TO_INVENTORY	6	Remove From Inventory	Set when an item is removed from stock. Only can be changed if item is moved back into inventory.
UNAVAILABLE	7	Unavailable	Set when inventory adjustment is made to unavailable, damaged received quantities or when item is reserved for customer orders.
MISSING	8	Missing	Will be set when a stock count can not find the serial number or the item goes missing during a shipment.
IN_RECEIVING	9	In Receiving	This means that a receipt is In Process but has not yet been confirmed. This can occur during DSD Receiving, Warehouse Receive or Transfer Receiving.
CUSTOMER_RESERVED	10	Customer Reserved	This status will be set when Oracle Retail Point-of-Service uses the customer order Web service to communicate a UIN that is reserved for a customer order.
CUSTOMER_FULFILLED	11	Customer Fulfilled	This status will be set when Oracle Retail Point-of-Service uses the customer order web service to communicate a UIN that is fulfilled for a customer order.
SHIPPED_TO_FINISHER	12	Shipped To Finisher	The state which an item should be in when receiving from a Finisher.
UNCONFIRMED	99	Unconfirmed	This means a UIN has been scanned or entered but has not yet been processed. The UIN is in a temporary state and can move from None to any other state during validation. Note: The functional identifier will not exist until the transaction has been completed.

Note:

UIN **Open** Status = IN_STOCK,
RESERVED_FOR_SHIPPING, UNAVAILABLE,
CUSTOMER_RESERVED and IN_RECEIVING.

UIN **Closed** Status = SOLD, MISSING,
SHIPPED_TO_STORE, SHIPPED_TO_WAREHOUSE,
SHIPPED_TO_VENDOR, SHIPPED_TO_FINISHER,
REMOVE_FROM_INVENTORY and
CUSTOMER_FULFILLED.

Table: UINAvailability

Name	Description
OPEN	Open
CLOSED	Closed
ALL	All

Used as a parameter when searching for records based on availability.

Table: UINActionType

Name
SALE
RETURN
VOID_SALE
VOID_RETURN

This represents action type that triggered a UIN update (namely from a web service).

Auditing

Any time a status change occurs for a UIN, an audit record is captured and is available for viewing on the UIN History screen.

UIN Setup

A store parameter allows the user to turn on/off UIN functionality by store. Multiple system parameters control the purging of UIN information.

SIM provides a store/class level setup for UIN attributes. These attributes can be auto-defaulted in based on a system parameter. When attributes are added or modified at the class level, the attributes will be applied to each item/location level for all items that belong to the specified department/class.

The UIN attributes screen is required for standalone implementations of SIM. The UIN Attributes screen should not be used if the retailer plans to pull attributes from an external system.

UIN attributes include the following:

- Type of UIN (AGSN/Serial Number)
- Capture Time (Store Receiving/Sale)
- UIN Label
- Ticket Format (AGSNs)
- External system create UIN

UIN Status

Each time an item with a UIN is scanned, SIM captures the status of that item. Depending on the functional area for which that item is scanned, a different status will be assigned. This feature allows SIM to ensure data integrity and provide an audit trail of the life of the item.

Before any transaction is completed (dispatched or confirmed), SIM validates that the status of the items on the transaction are still valid.

For example, a UIN on a transfer might be invalid if a stock count cannot find the item and move the **Reserved for Shipping** status to **missing**. The item will stay on the transaction, but the user must remove it before dispatching. SIM lets the user know the item is not in a valid status anymore.

UIN Statuses

Unconfirmed

A UIN has been scanned or entered but has not yet been processed. The UIN is in a temporary state and can move from Unconfirmed to any other state during validation.

In Stock

The item is in stock and can be sold. This status is usually achieved after an item is received, returned or when it is fixed from a repair.

In Receiving

A receipt is In Process but has not yet been confirmed. This can occur during DSD Receiving, Warehouse Receive or Transfer Receiving.

Sold

The item has been sold to a customer. The UIN status can get set to Sold through the new Point-of-Service Web service.

Reserved For Shipping

Any time a transfer or a return is created and saved the UIN is marked as Reserved For Shipping. Only UINs in "In Stock" and "Unavailable status" will be allowed to be shipped.

Shipped To Store

When a store-to-store transfer is dispatched, the status of the UIN is set to Shipped To Store. In order to update the UIN to Shipped to Store a UIN must be In Stock or Reserved for Shipping.

Shipped To Warehouse

When a warehouse shipment is dispatched, the status of the UIN is set to Shipped to Warehouse. In order to update the UIN to Shipped to Warehouse a UIN must be In Stock, Reserved for Shipping, or Unavailable status.

Shipped To Vendor

When a vendor return shipment is dispatched, the status of the UIN is set to Shipped to Vendor. In order to update the UIN to Shipped to Vendor a UIN must be In Stock, Reserved for Shipping, or Unavailable status.

Shipped To Finisher

When a finisher shipment is dispatched, the status of the UIN is set to Shipped to Finisher. In order to update the UIN to Shipped to Finisher a UIN must be In Stock, Reserved for Shipping, or Unavailable status.

Removed From Inventory

A UIN will be updated to Removed From Inventory using either an Inventory Adjustment or a Short Receipt. In order to update the UIN to Removed From Inventory a UIN must be In Stock, Shipped to Store or Unavailable status.

Missing

A UIN will be updated to Missing when performing a stock count. If an item is not found that is currently In Stock, Reserved for Shipping or Unavailable, the UIN will be updated to Missing.

Unavailable

A UIN will be updated to Unavailable either through an Inventory Adjustment or a Damaged Receipt. A UIN must be in either In Stock, Sold, Shipped to Store, Customer Fulfilled, Removed from Inventory, or Missing Status before it can be moved to this status.

Customer Reserved

This status will be set when the Oracle Retail Point-of-Service uses the customer order Web service to communicate a UIN that is reserved for a customer order:

- The selling service to validate the item is valid to be sold will be used to validate that the UIN is available to be reserved.
- A UIN must be in either In Stock, Customer Order Fulfilled before it can be moved to this status.

Customer Fulfilled

This status will be set when Oracle Retail Point-of-Service uses the customer order web service to communicate a UIN that is fulfilled for a customer order:

- The selling service to validate the item is valid to be sold will be used to validate that the UIN is available to be fulfilled.
- A UIN must be in either In Stock or Customer Order Reserved before it can be moved to this status.

Resolving UIN Discrepancies

UINs can be resolved in multiple ways, depending on what the discrepancy is.

The user can view discrepancies on the Resolution List screen. The UIN Resolution screen will display all exception records that were created due to attempting a status change that is not allowed using one of the following:

- UIN Update Status Web Service
- Customer Order Web Service
- Externally generated Receipt Adjustments

When a UIN store mismatch occurs, an e-mail notification is sent to the store with which the UIN was originally associated. This applies to Transfers, Inventory Adjustments and Stock Counts. These discrepancies do not appear on the Resolution list screen, instead the notification will occur through an e-mail and can be resolved by adding the item to a Problem Line stock count or resolving it through an inventory adjustment.

Resolving the UIN record on the UIN Resolution screen does not resolve the discrepancy on the transaction. The recommendation is to resolve the discrepancy by fixing the issue on the transaction or by doing an inventory adjustment:

- The UIN discrepancy can be resolved directly through the transaction from where the discrepancy originated. This is the recommended business process.
- The user can check the **UIN Discrepancies** flag when creating a Problem Line count using Product Group setup. This will add discrepant UINs to the count and resolve the discrepancy through completion of the stock count.
- The status of the UIN can be updated directly from the UIN resolution screen. This automatically marks the record as **Resolved**. This does not resolve the inventory discrepancy.
- The UIN record can be moved to **Resolved** on the Resolution screen by clicking **Resolve** from the UIN (without updating the status or the inventory).

For Third Party stock counts, UIN discrepancies can be resolved through the Rejected Items screen. If the UIN is not present for an item that requires a UIN when the third party count is uploaded to SIM, the record will be written to the Rejected Items table for later resolution. The Rejected Items screen allows the user to assign a serial number for those items.

Whenever an invalid UIN is scanned on any type of stock count, the invalid UIN will appear on the Rejected Items screen. A user with the proper permissions can review the invalid scans and assign a valid UIN to bring the UIN back into the stock count if desired.

Examples of Resolving Discrepancies

The following includes examples of resolving discrepancies.

Example 1 – Store Mismatch: Allow Unexpected UINs parameter is Set to Yes

1. Transfer Shipment/Delivery sent from Store A to Store B.
2. Store B receives the transfer Delivery. Item 1 was not on the transaction, however it did get shipped on the truck so Store B receives the unexpected UIN.
3. The UIN is now associated with Store B and an e-mail will be sent to Store A to notify them of the discrepancy. The item/UIN was not on the transaction and therefore the item/UIN is still reflected in Store A's inventory.
4. The user can create a problem line stock count at Store A and check the UIN Discrepancies flag. This action will place Item 1 on the stock count and resolve the

inventory discrepancy once the count is completed. The discrepancy could also instead be resolved using an inventory adjustment to move the UIN out of stock.

Example 2 – Store Mismatch: Allow Unexpected UINs Parameter is Set to No

1. Transfer Shipment/Delivery sent from Store A to Store B.
2. Store B receives the transfer Delivery Container. Item 1 was not on the Container transaction, however it did get shipped on the truck so Store B attempts to receive the unexpected UIN but SIM does not allow it.
3. The UIN is still associated with Store A. Store B will have to call Store A and have them create a new transfer Shipment so Item 1 moves out of Store A and into Store B. An exception record is not created on the Resolution List screen for either store since SIM never allowed the UIN to change status from one store to another.

Note: If the user chooses to update the status using the Resolution list screen, they still must create the transfer so that the inventory gets updated correctly.

4. Once the status has been updated by Store A, the Store B user can now receive the item.

Example 3 – Resolution List Screen: Customer Order Web Service

1. Customer Order Web service calls SIM to move item to Customer Order Reserved and the item/UIN is not in stock.
2. SIM records a discrepancy error on Resolution List screen.
3. The user creates an inventory adjustment to bring the UIN In Stock.
4. The user can log in to the store called by the web service and update the status to Customer Order Reserved using Resolution List screen.

Example 4 – Update UIN Status Web Service Processing ACTION = SALE or VOID-RETURN

1. UIN is found and is in one of the following statuses:
 - Unavailable
 - Sold
 - Reserved for Shipping
 - Shipped to Store
 - Shipped to Warehouse
 - Shipped to Vendor
 - Missing
 - Customer Order Reserved
 - In Receiving
 - Removed from inventory
2. UIN cannot be updated to Sold if it is in one of the statuses from Step 1, so an exception record is created and appears on the Resolution List screen for the store.
3. Depending on the integration, the user must update the status of the UIN manually from the UIN Resolution List screen and re-process the transaction, or just update the status of the UIN.

The unified web service will not update the SOH if the status does not match. The UIN status update web service, on the other hand, will fail independently from the sales transaction web service or ReSA upload file. Fixing the problem for the UIN

status update web service will only require a status update. The unified web service call might require a status update to In Stock and a re-process of the entire record.

Note: User might need to remove the UIN from the physical transaction. Depends on what status it was in. For example, if it was in Shipped to Store, the user should, from a business perspective, go to the transfer and remove the item/UIN from the transfer.

Example 5 – Update UIN Status Web Service Processing ACTION = RETURN or VOID-SALE

1. UIN is found and is in a state other than Sold.
2. Status cannot be updated since it is not in sold status and exception is created and appears on Resolution List screen.
3. Access exception record from Resolution List screen and update the status.

Reporting

SIM has the ability to produce reports that retailers can customize to reflect the unique requirements of their business.

Operational Reports

Operational reports are generated from within the functional areas of SIM and include information about pick lists, stock count reports, shipping documentation, and so on. SIM uses a reporting tool when generating these reports in order to provide the user with a report formatting/layout mechanism.

The reporting tool allows the end user to specify the exact data fields to be displayed on the report (although this data is limited to the SIM data that is available for the specific operational report). Modifications to the formatting and data displayed on the report are made using the reporting tool.

SIM provides the user with a way to identify a single default report template to use for each of the different operational reports. When the user generates an operational report from within SIM, the application requests the report template that matches the default specified for that report.

Analytical (and Ad Hoc) Reports

Analytical reports leverage data in SIM for historical analysis. Retailers can develop their own and use these reports to make decisions on key business processes within the store (such as previous days deliveries, number of items replenished on a given day, and so on).

The reporting tool provides the retailer with a report formatting/layout mechanism and allows the user to specify the exact data fields to be displayed on the report. All report metrics and parameters are defined using the reporting tool (although this data is limited to the SIM data that is available for the specific report).

Assumptions

- SIM does not reference any other external security to enforce privileges for the reporting tool. If a user is given the ability to generate a report or to launch the reporting tool within SIM, it is assumed that the user is given the necessary level of access for the reporting tool as well.
- SIM does not manage any scheduling requirements for analytic (and ad hoc) reports. Such scheduling should be handled by the reporting tool itself.

SIM Reporting Framework

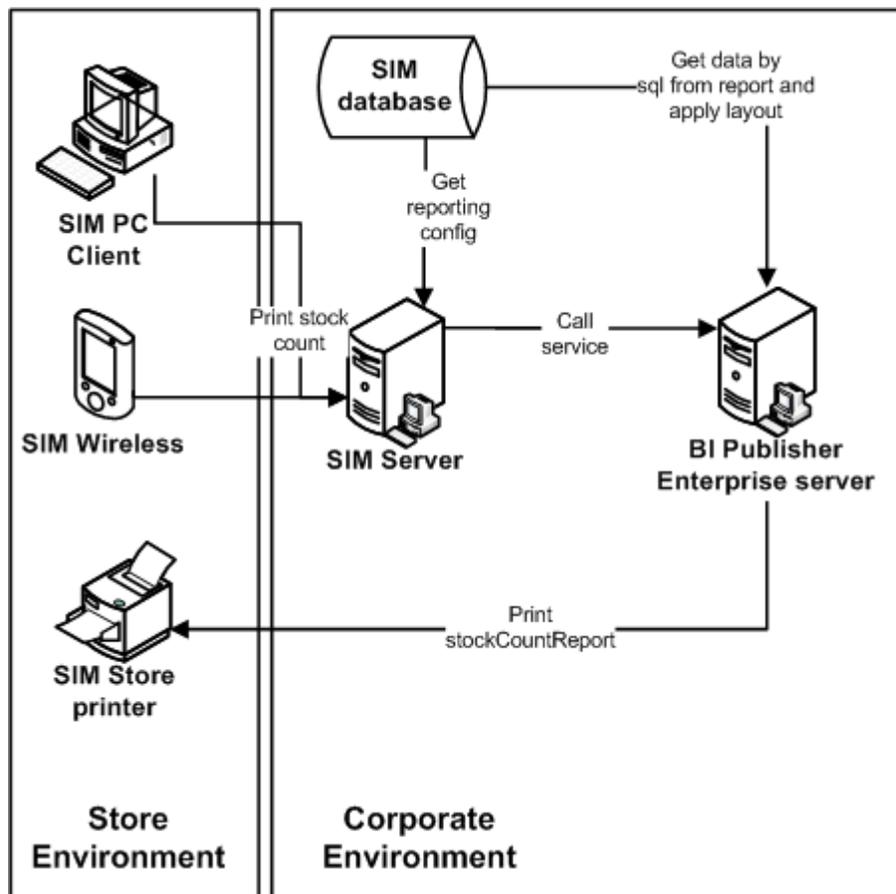
The following section describes the SIM reporting framework.

Printing to Local Printers in a Store

SIM is able to print to local printers in a store using BIPublisher, as long as the printers are network-enabled printers that support internet protocol printing (IPP). SIM uses

BIPublisher as the printing engine. The printers must be network-enabled in order to communicate with BIPublisher.

Figure 3: Local Printing in a Store



The following is the workflow for the process of printing locally in a store:

1. A retailer makes a request on the HH or PC to print an item.
2. That request goes to the centrally installed BIPublisher server.
3. The BIPublisher server receives URLs or parameters, runs a query to retrieve data to be printed, and formats the data.
4. That data is then sent back to the store's network-enabled printers.

SIM tables (STORE_PRINTER) refer only to the logical name of the printer. That logical name is setup using BIP-admin, for example, **myPrinter1**. Use BIPublisher to configure **myPrinter1** with specifics.

SIM Operational Reports

The following are the SIM Operational Reports.

Table: Operational Reports

Report Name	Report Parameters	Primary Views or Tables
CustomerOrderBinLabelReport	BIN_ID, SIM_CUSTOMER_ORDER_I D, COPIES	FUL_ORD, FUL_ORD_BIN
CustomerOrderDeliveryBOLRe port	Delivery_Id, Store_Timezone, COPIES	RPRT_FUL_ORD_DLV_BOL_V
CustomerOrderDeliveryReport	Delivery_Id, Store_Timezone, COPIES	RPRT_FUL_ORD_DLV_V
CustomerOrderPickDiscrepanc yReport	Store_Timezone, Pick_Id, COPIES	RPRT_FUL_ORD_PICK_DISC_ V
CustomerOrderPickReport	Store_Timezone, Pick_Id, COPIES	RPRT_FUL_ORD_PICK_V
CustomerOrderReport	Order_Id, Store_Timezone, COPIES	RPRT_FUL_ORD_V
CustomerOrderReversePickRe port	Reverse_Pick_Id, Store_Timezone, COPIES	RPRT_FUL_ORD_RV_PICK_V
DirectDeliveryDiscrepantItems Report	RECEIPT_ID, Store_Timezone, COPIES	RPRT_DSD_DISCREPANT_IT M_V, RPRT_DSD_V
DirectDeliveryReport	Receipt_ID, Store_Timezone, COPIES	RPRT_DSD_V, NOTES
InventoryAdjustmentReport	Inv_Adj_ID, Store_Timezone, COPIES	RPRT_INV_ADJUST_V, CONFIG_SYSTEM
ItemBasketDefaultReport	ITEM_BASKET_ID, CUST_REF, COPIES	No view, report is rendered using pass through parameters
ItemDetailReport	ITEMID, STOREID, Store_Timezone, COPIES	STORE_SEQUENCE_ITEM, STORE_SEQUENCE_AREA, PRINT_FORMAT, TSF_ALLOCATION, ITEM, WAREHOUSERPRT_ITEM_DE TAIL_V
ItemRequestReport	Item_Request_ID, Store_Timezone, COPIES	RPRT_ITEM_REQUEST_V
PurchaseOrderReport	Purchase_order_id, store_timezone, copies	RPRT_PURCHASE_ORD_V
RTVReport	RETURN_ID, Store_Timezone, COPIES	RPRT_RTV_V
ShelfAdjustmentReport	SHELF_ADJUST_ID, Copies, Store_Timezone	RPRT_SHELF_ADJUST_V
ShelfReplenishmentReport	SHELF_REPLENISH_ID, Store_Timezone, Copies	RPRT_SHELF_REPLENISH_V

Report Name	Report Parameters	Primary Views or Tables
StockCountAllLocReport	STORE_ID, STOCK_COUNT_ID, COPIES	RPRT_STOCK_COUNT_V
StockCountExportReport	STOCK_COUNT_ID, COPIES	STOCK_COUNT_LINE_ITEM, STOCK_COUNT, STOCK_COUNT_LINE_ITEM_ UIN
StockCountRejectedItemReport	STORE_ID, COPIES	RPRT_STOCK_COUNT_NOF_ V
StockCountReport	STOCK_COUNT_ID, LOCATION_ID, Store_Timezone, PHASE, COPIES	RPRT_STOCK_COUNT_V
StoreOrderReport	STORE_ORDER_ID, COPIES	PRINT_STORE_ORDER, PRINT_STORE_ORDER_ITEM, STORE
TransferDeliveryExceptionReport	DELIVERY_ID	TSF_DELV, TSF_DELV_CARTON, TSF_DELV_LINE_ITEM, ITEM, STORE, WAREHOUSE, PARTNER, CONFIG_SYSTEM
TransferDeliveryLabel	CARTON_ID	TSF_DELV, TSF_DELV_CARTON, TSF_DELV_LINE_ITEM, STORE, ADDRESS
TransferDeliveryReport	DELIVERY_ID	TSF_DELV, TSF_DELV_CARTON, TSF_DELV_LINE_ITEM, ITEM, STORE_ITEM_STOCK, STORE, WAREHOUSE, PARTNER, CONFIG_SYSTEM, NOTES
TransferReport	Transfer_ID, Store_Timezone, COPIES	RPRT_TRANSFER_V
TransferShipmentBolReport	SHIPMENT_ID, STORE_TIMEZONE, Copies	TSF_SHIP, TSF_SHIP_CARTON, TSF_SHIP_LINE_ITEM, ITEM, CONFIG_SYSTEM, SHIPMENT_BOL, SHIPMENT_CARTON_DIM, SHIPMENT_CARRIER_SERVICE, SHIPMENT_CARRIER, STORE, ADDRESS, NOTES
TransferShipmentCartonReport	Store_Timezone, CARTON_ID, COPIES	TSF_SHIP,TSF_SHIP_CARTON , TSF_SHIP_LINE_ITEM, ITEM, STORE, WAREHOUSE, PARTNER, CONFIG_SYSTEM, SHIPMENT_REASON
TransferShipmentReport	SHIPMENT_ID, Copies, Store_Timezone	RPRT_TSF_SHIP_V, NOTES

Report Name	Report Parameters	Primary Views or Tables
TransferShippingLabel	CARTON_ID	TSF, TSF_SHIP, TSF_SHIP_CARTON, TSF_SHIP_LINE_ITEM, ITEM, SHIPMENT_BOL, STORE, ADDRESS
VendorShipmentBOLReport	Store_Timezone, SHIP_NUMBER, Copies	RPRT_RTV_SHIP_BOL_V, NOTES
VendorShipmentCartonReport	Store_Timezone, Carton_ID, COPIES	RPRT_RTV_SHIP_V
VendorShipmentReport	Store_Timezone, SHIP_NUMBER, Copies	RPRT_RTV_SHIP_V
VendorShippingLabel	CARTON_ID, Copies	RPRT_RTV_SHIP_BOL_V, RTV_SHIP, RTV_TYPE, CODE_DETAIL

Report Formats

Please see [Appendix: Report Formats](#).

Configuring a Report Printer in SIM

To configure a report printer in SIM, go to Admin > Print Setup > Printers. A screen opens, displaying a list of retail store printers. Users can add, delete, and edit printers for the user's store. The system will allow a user to use the routing code to setup third party printing systems. The system can be configured to use either BI Publisher or a third party printing system, but not both at the same time.

Defining a Session Printer in SIM

SIM can be setup to automatically print a manifest or pre-shipment ticket or label to a printer at another location. To configure a session printer in SIM, go to Print > Session Printer. A screen opens, displaying the Manifest and Pre-Shipment format. Users can set printers for the user's store.

Uploading Reports

The directory sim/bip_reports holds all SIM reports. For every report, there would be two folders <report_name>Report.xdm and <report_name>Report.xdo. These folders can be readily imported to the BI publisher (BIP) server. All the reports are pre-configured with datasource name BIP-SIM-DATASOURCE. A datasource with this exact name and appropriate jdbc connection string will have to be set up on the BIP server. In addition, all SIM operational reports need to be uploaded to the specific user's folder that is accessing SIM reports. They may also be placed in the Guest folder to provide shared access.

The .rtf templates may be modified or customized as needed using the BI Publisher Template builder plug-in for Word.

Setting up the BI Publisher Server

1. Create a user and assign the BI Publisher Scheduler role, in addition to other reporting roles.

2. Create a new jdbc connection with datasource name BIP-SIM-DATASOURCE.
3. If you will print directly to a printer, create the printer in BIP. This printer server name will be used in STORE_PRINTER.NETWORK_ADDRESS in SIM. If a CUPS server is used, this will be set as `<cups_server_name>/<printer_name>` in STORE_PRINTER.NETWORK_ADDRESS.
4. When STORE_PRINTER.NETWORK_ADDRESS is set to **browser** (case insensitive), for any report in SIM, press **Print** to launch the report in a browser instead of printing to a physical printer. This is only possible when using the SIM PC client. This feature is useful in initial stages of implementation, or if it is preferred to view the report in a browser.
5. If STORE_PRINTER.STORE_PRINTER_TYPE_CODE is set to **1** (for postscript printing), the BI Publisher server will output the report in PDF format. If the STORE_PRINTER_TYPE_CODE is set to **2** (for ticket printing), the BI Publisher server will output the report in raw XML format (also known as DATA format in BI Publisher). This is to enable printing to a label printer, like Zebra printer, using a Custom Filter in BI Publisher.

Printing Labels and Tickets on a Label Printer

SIM was tested for printing labels and tickets on a Zebra label and ticket printer. This is achieved by using ZebraLink Enterprise Connector (ZEC) for Oracle BI Publisher. ZEC intercepts raw XML data coming from Oracle BI Publisher and applies a ZPL (Zebra Programming Language) template to create a ZPL stream understood by Zebra printers. For testing, BI Publisher was configured to output reports in raw XML format, which was redirected to ZEC to print to Zebra printer. ZEC works with a wide range of Zebra printers.

Printing Labels and Tickets on a Third Party Printing System

See the *Oracle Retail Store Inventory Management Extension Guide* for suggestions on configuring SIM to use a third party printing solution.

Setting up SIM

Select the Reporting topic on the SIM System Admin Config screen. The following options need to be set up:

Table: Setting Up SIM Reports

Option	Value
Reporting Tool URL	<code>http://<bip_host>:<bip_port>/<bip_deployment></code> . This URL is used as the reference to the BIP deployment for printing reports and viewing reports from the SIM PC client in a browser.

Note: `<BIP_REPORTS_USER>` is the reports user that has been created in BI Publisher server to access SIM reports.

UDA Print Setup

Go to Admin > Print Setup > UDA Print Setup.

If the UDA is defined on this screen, then when an item UDA is changed, the item UDA is sent to ticketing for a label, ticket or both, based upon definition on this screen.

Setting up Report Formats in SIM

Report Formats are configured in SIM through **Admin > Print Setup > Print Format** screen. See the *Oracle Retail Store Inventory Management Store User Guide* to add/modify/delete report formats. Multiple formats can be defined for each report type. For a report type, the formats screen enables the user to assign at least one format as the default format. This screen is also used to manage ticket and label formats. The user will select Reporting Formats from the Format Category drop down to work with report formats.

Figure 4: Report Formats Screen

Format Name	Format Type	Default Format	Default Printer	URL Location
Customer Order	Customer Order	<input checked="" type="checkbox"/>		/Guest/SIM/CustomOrderReport/CustomOrder...
Customer Order Bin Label	Customer Order Bin Labels	<input checked="" type="checkbox"/>		/Guest/SIM/CustomOrderBinLabelReport/Custo...
Customer Order Delivery	Customer Order Delivery	<input checked="" type="checkbox"/>		/Guest/SIM/CustomOrderDeliveryReport/Custo...
Customer Order Delivery BOL	Customer Order Delivery BOL	<input checked="" type="checkbox"/>		/Guest/SIM/CustomOrderDeliveryBOLReport/C...
Customer Order Pick	Customer Order Pick Detail	<input checked="" type="checkbox"/>		/Guest/SIM/CustomOrderPickReport/Customo...
Customer Order Pick Discrepancy	Customer Order Pick Discrepancy	<input checked="" type="checkbox"/>		/Guest/SIM/CustomOrderPickDiscrepancyRapor...
Customer Order Reverse Pick	Customer Order Reverse Pick	<input checked="" type="checkbox"/>		/Guest/SIM/CustomOrderReversePickReport/Cu...
Direct Delivery	Direct Store Delivery	<input checked="" type="checkbox"/>	Store-1111	/Guest/SIM/DirectDeliveryReport/DirectDeliver...
Direct Delivery Discrepant Item	Direct Store Delivery Discrepant	<input checked="" type="checkbox"/>		/Guest/SIM/DirectDeliveryDiscrepantItemsReport/...
Inventory Adjustment	Inventory Adjustment	<input checked="" type="checkbox"/>		/Guest/SIM/InventoryAdjustmentReport/Inventor...
Item Basket	Item Basket	<input checked="" type="checkbox"/>		/Guest/SIM/ItemBasketDefaultReport/ItemBasketD...
Item Detail	Item	<input checked="" type="checkbox"/>		/Guest/SIM/ItemDetailReport/ItemDetailReport.xdo
Item request	Item Request	<input checked="" type="checkbox"/>		/Guest/SIM/ItemRequestReport/ItemRequestRapor...
Manifest	Manifest	<input checked="" type="checkbox"/>		
Pre-Shipment	Pre-Shipment	<input checked="" type="checkbox"/>		
Return	Return	<input checked="" type="checkbox"/>		/Guest/SIM/ReturnReport/ReturnReport.xdo
Return BOL	Return Bill Of Lading	<input checked="" type="checkbox"/>		/Guest/SIM/BoReturnReport/BoReturnReport.xdo
returns 2	Return	<input type="checkbox"/>	Store-1111	/Guest/SIM/WarehouseDeliveryReport/Warehous...
Shelf Adjustment	Shelf Adjustment	<input checked="" type="checkbox"/>		/Guest/SIM/ShelfAdjustmentReport/ShelfAdjusme...
Shelf Replenishment	Shelf Replenishment	<input checked="" type="checkbox"/>	Store-1111	/Guest/SIM/ShelfReplenishmentReport/ShelfReplen...
Stock Count Allocation	Child Stock Count List	<input checked="" type="checkbox"/>		/Guest/SIM/StockCountAllLockReport/StockCount...
Stock Count Detail	Stock Count Detail	<input checked="" type="checkbox"/>		/Guest/SIM/StockCountReport/StockCountReport...
Stock Count Export	Stock Count Export	<input checked="" type="checkbox"/>		/Guest/SIM/StockCountExportReport/StockCount...
Stock Count Rejected Item	Stock Count Rejected Item	<input checked="" type="checkbox"/>		/Guest/SIM/StockCountRejectedItemReport/Stock...

After the SIM reports are uploaded to BI Publisher, the URL location for each report type must be set as follows:

Table: Report URL Locations

Type	URL Location
Customer Order Report	<BIP_SIM_REPORTS_FOLDER>/SIM/CustomOrderReport/CustomOrderReport.xdo
Customer Order Bin Label Report	<BIP_SIM_REPORTS_FOLDER>/SIM/CustomOrderBinLabelReport/CustomOrderBinLabelReport.xdo
Customer Order Delivery Report	<BIP_SIM_REPORTS_FOLDER>/SIM/CustomOrderDeliveryReport/CustomOrderDeliveryReport.xdo
Customer Order Delivery BOL Report	<BIP_SIM_REPORTS_FOLDER>/SIM/CustomOrderDeliveryBOLReport/CustomOrderDeliveryBOLReport.xdo
Customer Order Pick Report	<BIP_SIM_REPORTS_FOLDER>/SIM/CustomOrderPickReport/CustomOrderPickReport.xdo

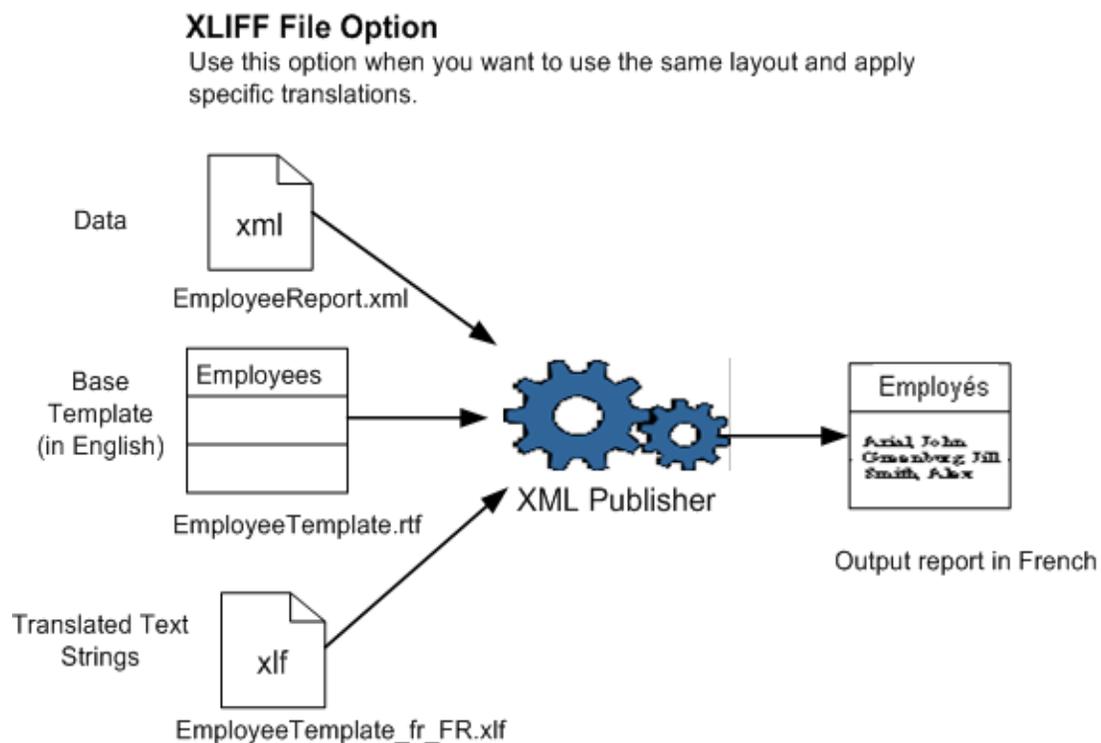
Type	URL Location
Customer Order Pick Discrepancy Report	<BIP_SIM_REPORTS_FOLDER>/SIM/CustomerOrderPickDiscrepancyReport/CustomerOrderPickDiscrepancyReport.xdo
Customer Order Reverse Pick Report	<BIP_SIM_REPORTS_FOLDER>/SIM/CustomerOrderReversePickReport/CustomerOrderReversePickReport.xdo
Direct Delivery Report	<BIP_SIM_REPORTS_FOLDER>/SIM/DirectDeliveryReport/DirectDeliveryReport.xdo
Direct Delivery Discrepant Items Report	<BIP_SIM_REPORTS_FOLDER>/SIM/DirectDeliveryDiscrepantItemsReport/DirectDeliveryDiscrepantItemsReport.xdo
Inventory Adjustment Report	<BIP_SIM_REPORTS_FOLDER>/SIM/InventoryAdjustmentReport/InventoryAdjustmentReport.xdo
Item Detail Report	<BIP_SIM_REPORTS_FOLDER>/SIM/ItemDetailReport/ItemDetailReport.xdo
Item Basket Default Report	<BIP_SIM_REPORTS_FOLDER>/SIM/ItemBasketDefaultReport/ItemBasketDefaultReport.xdo
Item Request Report	<BIP_SIM_REPORTS_FOLDER>/SIM/ItemRequestReport/ItemRequestReport.xdo
Purchase Order Report	<BIP_SIM_REPORTS_FOLDER>/SIM/PurchaseOrderReport/PurchaseOrderReport.xdo
RTV Report	<BIP_SIM_REPORTS_FOLDER>/SIM/RTVReport/RTVReport.xdo
Stock Count Export Report	<BIP_SIM_REPORTS_FOLDER>/SIM/StockCountExportReport/StockCountExportReport.xdo
Stock Count All Loc Report	<BIP_SIM_REPORTS_FOLDER>/SIM/StockCountAllLocReport/StockCountAllLocReport.xdo
Shelf Adjustment Report	<BIP_SIM_REPORTS_FOLDER>/SIM/ShelfAdjustmentReport/ShelfAdjustmentReport.xdo
Shelf Replenishment Report	<BIP_SIM_REPORTS_FOLDER>/SIM/ShelfReplenishmentReport/ShelfReplenishmentReport.xdo
Stock Count Report	<BIP_SIM_REPORTS_FOLDER>/SIM/StockCountReport/StockCountReport.xdo
Stock Count Rejected Item Report	<BIP_SIM_REPORTS_FOLDER>/SIM/StockCountRejectedItemReport/StockCountRejectedItemReport.xdo
Store Order Report	<BIP_SIM_REPORTS_FOLDER>/SIM/StoreOrderReport/StoreOrderReport.xdo
Transfer Report	<BIP_SIM_REPORTS_FOLDER>/SIM/TransferReport/TransferReport.xdo
Transfer Receiving Exception Report	<BIP_SIM_REPORTS_FOLDER>/SIM/TransferDeliveryExceptionReport/TransferDeliveryExceptionReport.xdo

Type	URL Location
Transfer Receiving Report	<BIP_SIM_REPORTS_FOLDER>/SIM/TransferDeliveryReport/TransferDeliveryReport.xdo
Transfer Receiving Label	<BIP_SIM_REPORTS_FOLDER>/SIM/TransferDeliveryLabel/TransferDeliveryLabel.xdo
Transfer Shipment BOL Report	<BIP_SIM_REPORTS_FOLDER>/SIM/TransferShipmentBolReport/TransferShipmentBolReport.xdo
Transfer Shipment Container Report	<BIP_SIM_REPORTS_FOLDER>/SIM/TransferShipmentCartonReport/TransferShipmentCartonReport.xdo
Transfer Shipment Report	<BIP_SIM_REPORTS_FOLDER>/SIM/TransferShipmentReport/TransferShipmentReport.xdo
Transfer Shipping Label	<BIP_SIM_REPORTS_FOLDER>/SIM/TransferShippingLabel/TransferShippingLabel.xdo
RTV Shipment BOL Report	<BIP_SIM_REPORTS_FOLDER>/SIM/VendorShipmentBOLReport/VendorShipmentBOLReport.xdo
RTV Shipment Container Report	<BIP_SIM_REPORTS_FOLDER>/SIM/VendorShipmentCartonReport/VendorShipmentCartonReport.xdo
RTV Shipment Report	<BIP_SIM_REPORTS_FOLDER>/SIM/VendorShipmentReport/VendorShipmentReport.xdo
RTV Shipping Label	<BIP_SIM_REPORTS_FOLDER>/SIM/VendorShippingLabel/VendorShippingLabel.xdo

Note: <BIP_SIM_REPORTS_FOLDER> is the folder where SIM reports have been uploaded on the BI Publisher server. For example, if SIM reports have been uploaded to the Guest folder, the folder is /Guest.

SIM Reports Internationalization

- SIM uses RTF files for BI Publisher report templates.
- SIM leverages BI Publisher's XLIFF feature to make reports translatable in SIM.
- For different supported locales, a separate XLIFF file is provided to the BI Publisher.
- During run time, BI Publisher picks up the default template (RTF) file and the corresponding XLIFF(xlf) file.

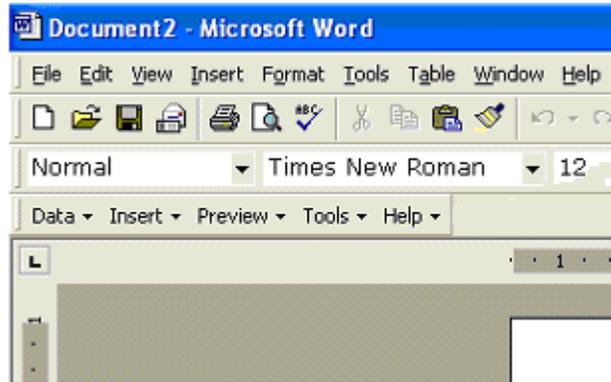
Figure 5: XLIFF File Option

For different supported locales, a separate XLIFF file is provided to the BI Publisher. During run time, BI Publisher picks up the default template (RTF) file and the corresponding XLIFF (xlf) file.

Do the following to create an XLIFF file:

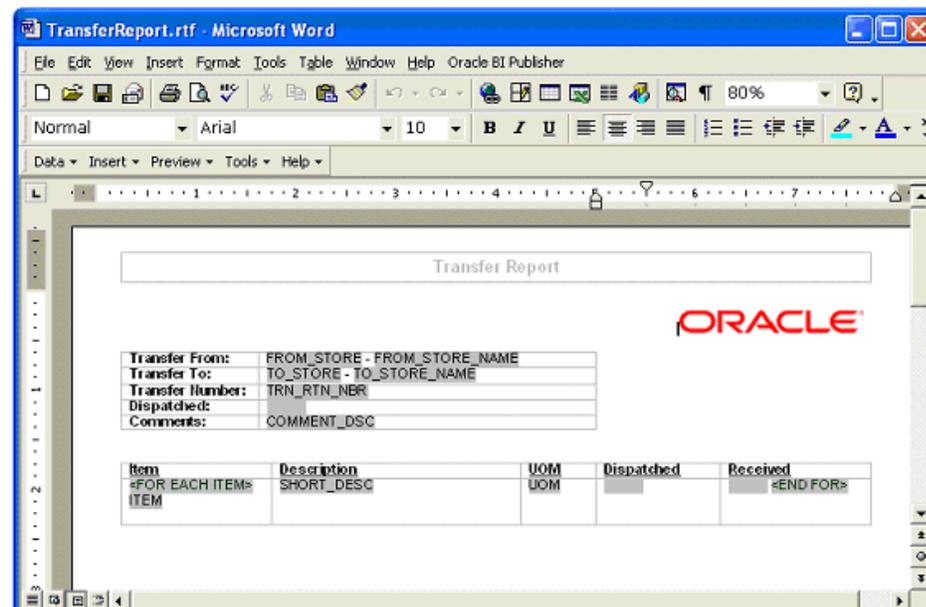
1. Install Oracle BI Publisher Desktop. You will see the following options in Microsoft Word:
 - Data
 - Insert
 - Preview
 - Tools
 - Help

Figure 6: Oracle BI Publisher Desktop Options in Word



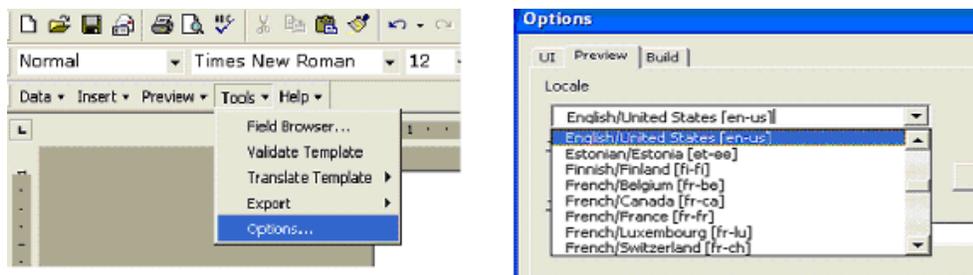
2. Open any existing template in Word, for example, TransferReport.rtf.

Figure 7: TransferReport.rtf



3. Localize the template by selecting **Tools> Option> Preview>Locale**.

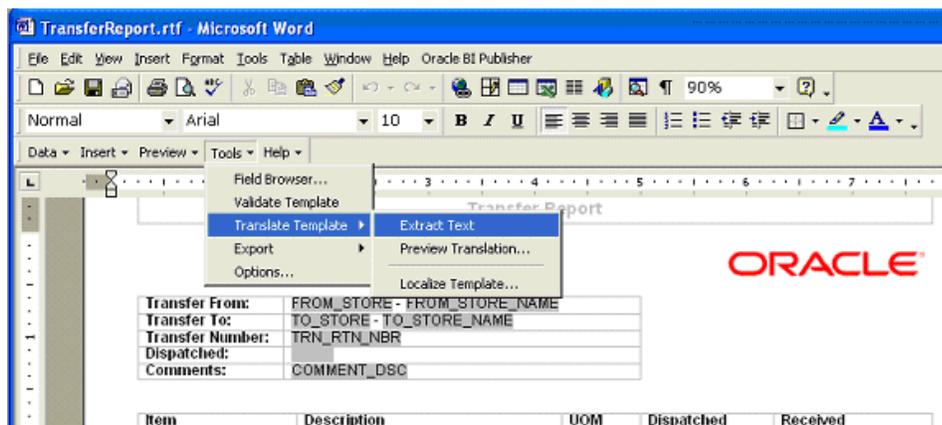
Figure 8: Localize the Template



This locale name will appear in the **source-language** attribute of the XLIFF file.

- From the Template Builder menu, select **Tool** → **Translate Template** → **Extract Text**.

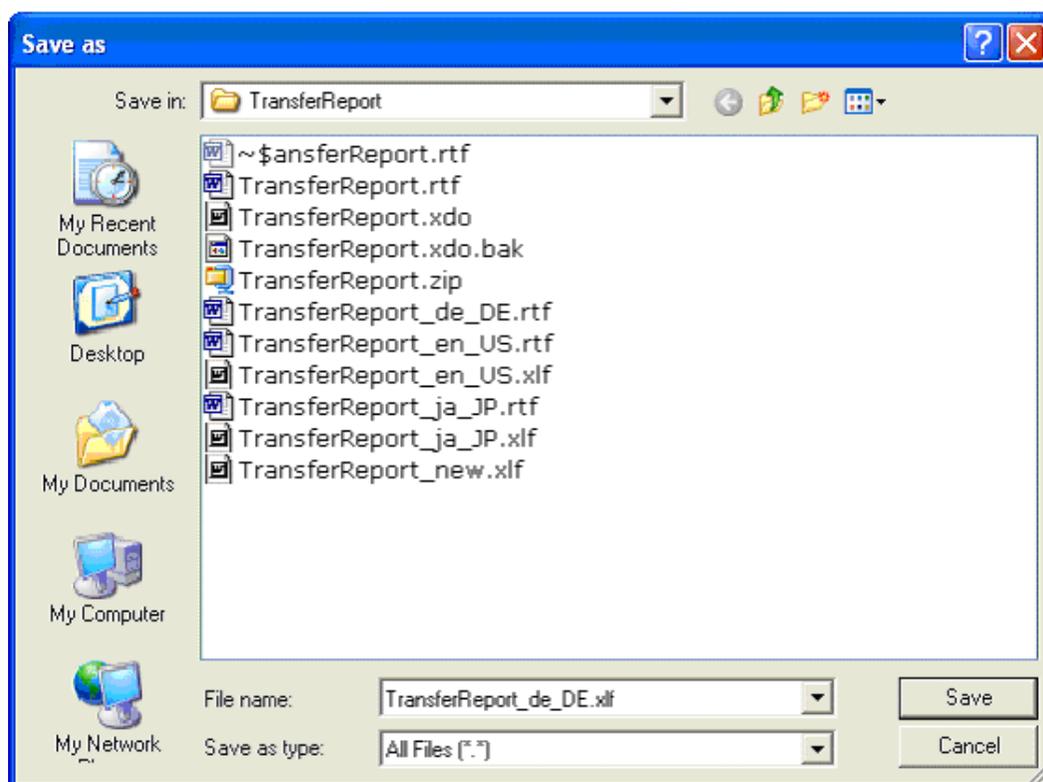
Figure 9: Extract Text for Export to XLIFF File



Template Builder extracts the translatable strings from the template and exports them to an XLIFF (.xlf) file.

- Save the XLIFF file.

Figure 10: Save the XLIFF File



6. The XLIFF file generated by XML Publisher has the following structure:

```
<?xml version = '1.0' encoding = 'utf-8'?>
<xliff version='1.0'>
  <file source-language="en_US" target-language="en_US" datatype="XDO"
    original="orphan.xlf" product-version="orphan.xlf" product-name="">
    <header/>
    <body>
      <trans-unit id="e67afb09" maxbytes="4000" maxwidth="23" size-unit="char"
        translate="yes">
        <source>Transfer Report</source>
        <target>Transfer Report IN ENGLISH LANGUAGE</target>
        <note>Text located: header/table</note>
      </trans-unit>
      <trans-unit id="7f65664e" maxbytes="4000" maxwidth="23" size-unit="char"
        translate="yes">
        <source xml:space="preserve">Printed: </source>
        <target xml:space="preserve">Printed: </target>
        <note>Text located: footer/table</note>
      </trans-unit>
      <trans-unit id="b230538" maxbytes="4000" maxwidth="26" size-unit="char"
        translate="yes">
        <source xml:space="preserve">Page Number: [&#0] </source>
        <target xml:space="preserve">Page Number: [&#0] </target>
        <note>Text located: footer/table</note>
      </trans-unit>
    </body>
  </file>
</xliff>
```

The **<file>** element includes the attributes **source-language** and **target-language**.

The valid value for **source-language** and **target-language** is a combination of the language code and country code:

- Language Code: the two-letter ISO language code (in lowercase).
- Territory Code: the two-letter ISO country code (in uppercase).

The **<source>** element contains a translatable string from the template in the source language of the template.

The **<target>** element contains the translated string as per locale.

Different XLIFF (xlf) files can be created by providing translated strings to each **<target>** element and by specifying a **target-language** value as per naming convention.

Template/XLIFF(xlf) File Locale Selection Logic

At run time, BI Publisher picks up the default template provided in **<ReportName>.xdo**, then applies a translation based on the user's selected Report Locale. First, BI Publisher tries to match an XLIFF file named for the locale, and if an exact match on language-territory is not found, then BI Publisher tries to match on language only.

For example, if you have a report for which the base template is **TransferReport.rtf**, and the locale is Japanese (**ja_JP**), then the order of preference in descending order is:

- **TransferReport_ja_JP.rtf**
- **TransferReport_ja_JP.xlf**
- **TransferReport_ja.rtf**
- **TransferReport_ja.xlf**
- **TransferReport.rtf**

As soon as BI Publisher finds a matched template (RTF)/XLIFF file, it applies the translation and layout for the report.

Number, Date and Currency Format Support

BI Publisher supports number, date and currency formats by specifying BI Publisher format tasks.

1. Open any existing template in Word, for example, TransferReport.rtf.

Figure 11: Template and Placeholder of the XML Tag

Transfer From:	FROM_STORE - FROM_STORE_NAME
Transfer To:	TO_STORE - TO_STORE_NAME
Transfer Number:	TRN_RTN_NBR
Dispatched:	
Comments:	COMMENT DSC

Item	Description	UOM	Dispatc
<FOR EACH ITEM> <ITEM>	SHORT_DESC	UOM	

2. Click the <ITEM> tag.
3. In the Text Form Field Options window, select **Regular Text** in the Type list.

Figure: Text Form Field Options Window

The screenshot shows the 'Text Form Field Options' dialog box. The 'Type' dropdown menu is open, showing options: Regular text (selected), Number, Date, Current date, Current time, and Calculation. The 'Default text' field is empty. The 'Text format' dropdown is also empty. The 'Field settings' section includes a 'Bookmark' field with 'Text8' entered, and two checkboxes: 'Calculate on exit' (unchecked) and 'Fill-in enabled' (checked). On the right side, there are buttons for 'OK', 'Cancel', and 'Add Help Text...'.

4. Click **Add Help Text**.
5. In the Form Field Help Text window, enter the formats for number, currency or date.

Figure 12: Form Field Help Text Window



The following are example formats for number, currency and date:

Example: Number Format

```
<?format-number; 'NUMBER'; '999g999D99' ?>
```

Where NUMBER is the <XML> tag.

Example: Currency Format

```
<?format-currency; CURRENCY; 'CurrencyCode' ?>
```

Where CURRENCY is the <XML> tag, and Currency Code should be ISO specific ('JPY','USD').

Example: Date Formats

```
<?format-date:date_string; 'ABSTRACT_FORMAT_MASK'; 'TIMEZONE' ?>
```

or

```
<?format-date-and-calendar:date_string;
'ABSTRACT_FORMAT_MASK'; 'CALENDAR_NAME'; 'TIMEZONE' ?>
```

Where:

- TimeZone is optional.
- If no format mask is specified, the abstract format mask "MEDIUM" is used as default.

Additional Setting for Currency Format

The following format should be specified in the xdo.cfg file.

Example: Currency Format in xdo.cfg File

```
<config version="1.0.0" xmlns="http://xmlns.oracle.com/oxp/config/">
  /*****/
  <currency-formats>
    <currency code="USD" mask="999D99L"/>
    <currency code="JPY" mask="999D9999X"/>
  </currency-formats>
  /*****/
</config>
```

The xdo.cfg file should be uploaded to BI Publisher Server in zipped format along with the xdo, RTF and XLIFF files. See “Uploading Reports” for more information.

Report Engine Functional Specification

It is possible on the PC to print multiple reports at the same time to different individual printers or browser sessions.

The handheld will print the report that has been setup as the default option. If no default printer has been set up, the user is prompted to select the printer to print to.

The reporting functionality incorporates error handling when reports are printed. Error handling allows the user to continue in the event that the printing effort fails.

Detailed Report Information

The following includes detailed report information for commonly used reports.

Direct Delivery Report

Direct Delivery occurs when the supplier drops off merchandise directly to the retailer's store. This report allows the retailer to print a delivery receipt once all items have been received and the delivery has been finalized.

It consists of the following information broken into three sections:

Header

- Receipt Date - Date on which the receipt was created
- Supplier - Supplier for the PO/ASN received
- Store - Store at which goods were received
- PO Number - PO against which goods were received
- Invoice - Invoice number for the receipt
- Invoice Date - Invoice date for the receipt
- Comments

Detail

- Item ID - Item number for each line item received
- Item Description- Description of item
- Unit of Measure - Unit of measure for quantity (Cases or Eaches)
- Quantity Ordered- Quantity ordered according to the PO
- Quantity Shipped - Quantity shipped according to the shipment record
- Quantity Received - Quantity actually received
- Unit Cost - Unit cost of the direct delivered item; this column is displayed based on the set system parameter (DISPLAY_UNIT_COST_FOR_DIRECT_DELIVERIES)

Totals

Totals are provided for the Ordered/Shipped and Received quantities.

A section is also provided as a space holder to collect the signatures of the persons involved in the transaction.

Item Request Report

The item request functionality allows users to request inventory for individual items to manage stock shortages and increased demand. The requests are processed by the RMS using the replenishment parameters and sourcing information setup in RMS. The report allows the store users to print the details of item requests that have been generated.

The report consists of two sections with the following information:

Header

- Store – Store ID and name
- Request ID – Request ID referencing the request in the SIM system
- Expiration Date – Date setup to automatically close item requests that have been automatically generated by the product group scheduler, if no action has been taken
- Request Delivery date – Date on which requested product is wanted at the store
- User – User who generated the item request
- Comments – Additional information

Detail

- Item– Item number for each line item requested
- Short Description– Description of item
- SOH – Current available on hand inventory for the item
- In Transit – Current inventory in transit to the store
- UOM – Unit of measure for the request
- Pack Size – Pack size for the item
- Quantity – Quantity requested

Shelf Adjustment Report

The shelf adjustment report is related to shelf adjustment functionality in shelf replenishment supported by SIM. Shelf adjustment in SIM facilitates the creation of item lists for ad-hoc shelf replenishment along with facilitating movement of product between the back room and the shop floor and vice versa. Shelf Adjustment list can also be used to create replenishments of items for display purpose at a store. The shelf adjustment report allows the users to print the shelf adjustment list for operational purposes especially in case of on-the-fly movement of products from back room to shop floor and vice versa.

The report consists of two sections with the following information:

Header

- Store - Name and identifier of the store for which the shelf adjustment was created
- ID–Shelf adjustment list identifier used to uniquely identify a shelf adjustment list
- Type – the type of shelf adjustment list, the types can move to shop-floor, move to backroom, ad-hoc and display list.
- Create Date/Time–Date/Time when the shelf adjustment list was created
- Update Date/Time–Date/Time when the shelf adjustment list was last updated
- User – User who generated the shelf adjustment list
- Status– Current status of the shelf adjustment list

Detail

- SKU– Item number for each line item on the shelf adjustment list
- Description– Description of item
- UOM – Unit of measure for the item on the shelf adjustment list
- Pack Size – Pack size for the item on the shelf adjustment list
- Qty – Suggested quantity of the item on the shelf adjustment list

Shelf Replenishment Report

The shelf replenishment report is related to the shelf replenishment functionality supported by SIM. Shelf replenishment in SIM facilitates movement of product between the back room and the shop floor, for the purpose of display or for sale. The shelf replenishment lists generate replenishment items and quantities that need to be replenished to the shop floor. The shelf replenishment list report allows the users to print the generated shelf replenishment list for operational purposes (for example, to use as a reference for the actual replenishing of product by the store associate).

The report consists of two sections with the following information:

Header

- Store - Name and identifier of the store for which the shelf replenishment was created
- ID-Shelf replenishment list identifier used to uniquely identify a shelf replenishment list
- Shelf replenishment Type - The type of shelf replenishment- capacity, sales, Ad-hoc, Display List
- Replenishment Mode - Whether the mode of replenishment is End of day or Within Day
- Product Group - Description of the product group, if, used to generate the shelf replenishment list
- Hierarchy - Hierarchy details which is populated only for a sales based replenishment list
- Shelf adjustment list - Identifier of the shelf adjustment list if it was used for replenishment list creation
- Create Date/Time-Date/Time when the shelf replenishment list was generated
- User - User who generated the shelf replenishment list
- Status - Current status of the shelf replenishment list
- Quantity - Total quantity to be replenished for the items in the shelf replenishment list

Detail

- Item Id- Item number for each line item to be replenished
- Item Description - Description of item
- Pick From Area - Identifies where the product is to be replenished from, could be either the back room or the delivery bay
- Type - Replenishment Type
- SUOM - Selling Unit of measure for the item to be replenished
- Pack Size - Pack size for the item to be replenished
- Qty - Requested quantity of the product to be replenished
- Actual Qty - Actual quantity which was replenished for the product

Customer Order Report

The Customer Order Report in SIM displays all created picks and will allow the user to print a report, create a new pick, filter pick records and delete a pick.

Header

The report header consists of information for the pick and contains the following information:

- Pick ID- Unique identifier for the pick record
- Status - The status of the customer order
- Create Date - The date the customer order was created
- Complete Date - The date the customer order was complete
- Create User - Name of the user who created the customer order
- Complete User - Name of the user who completed the customer order

Detail

- Item- Unique identifier for the item
- Description- Description of item
- Primary Loc- The macro sequence location for the item
- SIM Customer - The customer order ID number
- Bind ID - identifier number for the bind
- Fulfillment- ID number that does not need to be unique, the same ID can exist for more than one customer order ID
- UOM - The transaction unit of measure for the item on the customer order
- Pack Size - The size of the pack
- Substitute-Y indicates the line item has substitutes and N indicates the item does not have any substitutes
- Adjusted Pick Qty - If cancellations/deliveries have occurred while the user picked, this field will populate with the adjusted pick quantity based on those order updates
- Pick Qty - Suggested pick quantity generated by the system
- Quantity - Actual amount being picked by the user
- Type - Displays the type of pick
- Pick Qty - Quantity of the product to be picked
- Actual Qty - Actual quantity which was picked for the product

Stock Count Report

SIM provides the functionality to schedule, perform and authorize stock counts. The stock counts report provides the store users with the ability to print out scheduled stock counts and use the printed list of record results of the counting on the printed list before entering them into the system.

The report consists of two sections with the following information:

Header

- Description- Master stock count description
- Date - Scheduled date for the master stock count
- Total Items - Total number of items in the master stock count
- Stock count user - User who last saved/completed the stock count
- Recount user - User who last saved/completed the recount

Detail

- Child Count Description- Description of the child count appears as a header to the detail section (separate header for each child count). For guided counts, this will be the macro location name along with shopfloor/backroom if sequencing is being used.
- Item- Item number for each line item in the stock count
- Description- Description of item
- UOM- Unit of measure for the item
- Count - Physical count results entered for the stock count

Store Order Report

Store orders provide the store users the ability to create and approve orders to a supplier or transfer requests to the warehouse directly in the merchandising system. The store orders report allows the users to print out the report of the order that had been created from the store.

The report consists of two sections with the following information:

Header

- Store - Store requesting the order
- Store Order Number - Unique reference ID in SIM for the store order
- Status- Current status of the store order. Valid values are **Pending, Approved and Cancelled**
- Supplier/Warehouse - Source location for the store order
- Creation Date - Date on which the store order was created
- Not before date - Earliest date on which the order can be delivered at the store
- Not after date - Expiration date for the order
- User - User who created the store order
- Comments - Additional information

Details

- Item- Item number for each line item in the store order
- Description- Description of item
- UOM- Unit of measure for the item (part of the quantity heading)
- Qty - Requested quantity for the item
- Unit cost- Unit cost of the requested item

Transfer Report

Transfer functionality allows stores to transfer stock from one store to another within a company. The transfer report allows the store users to print out the details of either a transfer or a transfer request. The printed report can be used either as a dispatch slip for the transfer shipment or for the store records.

The report consists of two sections with the following information:

Header

- Transfer from- Origin store location for the transfer
- Transfer to - Destination store location for the transfer
- Transfer number - Unique reference number for the transfer
- Status/Date-Status of the transfer and the date on which the status changed
- Comment- Additional information
- Dispatched - Date on which the transfer was dispatched

Details

- Item- Item number for each line item in the transfer
- Description- Description of item
- UOM- Unit of measure for the item
- Dispatched- Quantity of product dispatched
- Received- Quantity of product received

Item Detail Report

This is an Items report that is printed from the item detail screen and the handheld. The report is based on the view Itemlocstock. This report displays the following information:

- SKU number/UPC
- Description (long or short depending on parameter setting)
- Diffs (if any)
- Merchandise Hierarchy
- Inventory Position (Available, unavailable, SOH, reserved)
- Current price
- Forward looking Delivery information (In transit, on order)

Inventory Adjustment Report

The inventory adjustment report allows the user to select an item that has been adjusted, and print information out for this. The report could be used to help as reference why inventory is unavailable (for example, loaning out for a demo or photoshoot), and confirmation that someone has ownership of that item.

The report consists of two sections with the following information:

Header

- Store - The store ID
- Adjustment Number - Unique inventory adjustment number in SIM
- Create Date - Date of creation
- Complete Date - Date of completion
- User - User requesting inventory adjustment
- Status - Status **Pending** or **Completed**
- Comments - Comments, if any

Details

- Item- Item number
- Item Description- Item description
- UOM- Unit of measure
- Pack Size- Pack size
- Quantity - Quantity adjusted
- Reason- Inventory adjustment reason

Bill of Lading Report

SIM users can print the Bill of Lading. The printed Bill of Lading displays the status of the Bill of Lading through the appearance or absence of watermarks on the Bill of Lading. A generic template for the Bill of Lading is created and inserted into the format table.

The Bill of Lading report process is designed to allow retailers to create a Bill of Lading report during a Returns or a Transfer dialogue and print it.

The Bill of Lading consists of information that identifies the sender, the receiver and the carrier of the goods. It also lists the goods and their quantities that are being shipped. It identifies if the shipment is a result of a return or a transfer.

The process consists of two parts, creating the Bill of Lading and printing the Bill of Lading.

The Bill of Lading creation occurs in two stages. During the first stage, the Bill of Lading is automatically created when a shipment is created and saved. During the second stage, the Bill of Lading is updated when the retailer adds additional information to the transaction for the purpose of the Bill of Lading report such as requested pickup date, change of destination address, carrier name and address and change of motive for the shipment. Detailed information for a Return or Transfer such as the quantity being shipped or the items being shipped can be modified at any time prior to the dispatching of a shipment. The Bill of Lading is updated to reflect these changes.

The second part of the process occurs when the retailer prints the Bill of Lading. The Bill of Lading can be printed at any time during the creation of a transfer or return. It is printed from the Return List screen or the Transfer List screen. It can be printed after the Return or Transfer is canceled (status = **canceled**) or after the transfer is dispatched. Each

of these scenarios results in a variation of the Bill of Lading report. For example, if a Bill of Lading is printed prior to dispatching, the Bill of Lading will have a watermark across the page that reads **DRAFT**.

If the Bill of Lading is printed after dispatching it will have no watermark on it. If the Bill of Lading is printed after the Transfer or Return has been deleted (status = **cancelled**), the Bill of Lading will have a watermark across the page that reads **Canceled**.

Printing the RTV Shipment Bill of Lading

Print the Bill of Lading from the RTV Shipment List screen.

The default filter for the RTV Shipment List screen will be changed to include displaying dispatched RTV Shipments with the current session.

1. If the RTV is in the In Progress state, the Bill of Lading prints with the watermark **DRAFT** on each page of the Bill of Lading.
2. If the RTV Shipment has been dispatched and it no longer appears on the List screen, use the filter to display the dispatched RTV Shipment.
3. The Bill of Lading prints without any watermarks.
4. If the RTV Shipment has been cancelled, use the filter to display the cancelled RTV Shipment.

The Bill of Lading will print with the watermark **CANCELED** on each page of the Bill of Lading.

Printing the Transfer Shipment Bill of Lading

The Bill of Lading can be printed from the Transfer Shipment List screen. If the Transfer Shipment does not appear on the Transfer Shipment List Screen, the filter must be used to display the Transfer Shipment.

1. If the transfer shipment is in the In Progress state, the Bill of Lading prints with the watermark **DRAFT** on each page of the Bill of Lading.
2. If the transfer shipment is in the Dispatched state, the Bill of Lading prints without any watermarks.
3. If the transfer shipment has been cancelled, the Bill of Lading prints with the watermark **CANCELED** on each page of the Bill of Lading.

Internationalization

Internationalization is the process of creating software that can be translated easily. Changes to the code are not specific to any particular market. SIM has been internationalized to support multiple languages.

This section describes configuration settings and features of the software that ensure that the base application can handle multiple languages.

Translation

Translation is the process of interpreting and adapting text from one language into another. Although the code itself is not translated, components of the application that are translated may include the following, among others:

- Graphical user interface (GUI)
- Error messages

The following components are not usually translated:

- Documentation (Online Help, Release Notes, Installation Guide, User Guide, Operations Guide)
- Batch programs and messages
- Log files
- Configuration Tools
- Reports
- Demonstration data
- Training Materials

The user interface for SIM has been translated into:

- Chinese (Simplified)
- Chinese (Traditional)
- Croatian
- Dutch
- French
- German
- Greek
- Hungarian
- Italian
- Japanese
- Korean
- Polish
- Portuguese (Brazilian)
- Russian
- Spanish
- Swedish
- Turkish

Handheld Device Configuration for Japanese Display

This white paper explains how to configure the Wavelink Client to display Japanese text.

The following document is available through My Oracle Support (formerly MetaLink). Access My Oracle Support at the following URL:

<https://support.oracle.com>

Oracle Retail White Paper: Oracle Retail Store Inventory Management Handheld Device Configuration for Japanese Display (Doc ID: 601817.1)

Brazil-Specific Setup

The business process selected to support SIM in Brazil is based on the logic that no receipt can take place until a Nota Fiscal (NF) has been confirmed at the receiving store. A Nota Fiscal document is similar to an invoice or bill of lading (BOL), but specific to Brazil. It contains quantities, cost, taxes, to and from location information.

SIM does not have specific Brazil indicators, but rather many specialized system options and security permissions allowing for a more flexible deployment. These indicators need to be set in the suggested configuration or ORFM might not function correctly.

Direct Store Delivery

DSDs in Brazil are not allowed to be started until a Nota Fiscal has been entered. Also, a Nota Fiscal cannot be entered until a PO is created. As such, users should be set up to not allow DSD PO creation nor should they be able to create ASNs in SIM.

If any quantities are added above the expected receipt, the user should remove the physical extra quantities or unexpected items when confirming. The user must scan the extra quantities, and SIM will prompt the user that they should be removed. The unexpected items or overage quantities will be published separately from the expected quantities so ORFM can generate the necessary return documentation.

The following store/system parameters should be set:

- Direct Delivery Auto Remove Over Received Quantity – **Yes**
- DSD Auto Remove Damaged Quantity – **Yes**

The following security options for both PC and HH should not be granted:

- Allow DSD Receiving without PO
- Allow DSD Receiving with PO
- Access Create Container
- Review Direct Delivery

Internal Deliveries

Warehouse Deliveries and Store to Store Transfer are not allowed to have any discrepancies from the Nota Fiscal. To enforce this process SIM will auto receive the warehouse and transfer deliveries coming from ORFM. This means that no detailed receiving is allowed.

After SIM receives the ASN from the warehouse, or the other store, SIM will get a second ASN notice that will trigger the auto receiving process. This means that users should be prevented from adjusting the transfer of warehouse delivery.

The following store parameters should be set:

- Warehouse Auto Receive – External message
- Store Auto Receive – External message

In addition, all stores should be set up for auto-receiving.

Since no receiving is allowed for warehouse or store deliveries, the following transfer security privileges should not be granted:

- Default Qty in All Containers
- Default Qty in Container
- Receive by Item
- Add Unexpected Item
- Create Container
- Edit Container
- Edit Receipt
- Confirm Container
- Confirm Receipt
- Adjust Container

Receiver Unit Adjustments

Receiver unit adjustments are not allowed in Brazil, so the following system options need to be set:

- Number of days Received Transfers can be adjusted – **0**
- Number of days received warehouse deliveries can be adjusted – **0**
- Number of days Direct Deliveries can be adjusted – **0**

Unsupported Processes

Vendor ASNs

Vendor-created ASNs are not supported, since the only valid receipts that can be made are against the NF.

Serialization

Because detailed receiving is not supported in Brazil, it is not possible to register or use UINs.

Appendix: Permissions

The table below describes the permissions supported by SIM.

Table: SIM Permissions

Permission	Topic	Usage
Access Admin	Admin	On the PC, with this permission, the Admin button on the SIM Login screen is displayed and enabled. Without this permission, the button is not displayed.
Access Auto-Receive Stores	Admin	On the PC, with this permission, the Auto-Receive Stores button on the Store Admin screen is displayed and enabled. Without this permission, the button is not displayed.
Access Buddy Store	Admin	On the PC, with this permission, the Buddy Store button on the Store Admin screen is displayed and enabled. Without this permission, the button is not displayed.
Access Container Lookup	Admin	<p>On the HH, with this permission, the Container Lookup menu option on the Lookups menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the user will have access to functionality within Container Lookups . Without this permission, the user will not have access to Container Lookup functions.</p> <p>On the PC, with this permission, the Container Lookup button on the Lookups screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Customize Translations	Admin	On the PC, with this permission, the Customize Translations button on the UI Config screen is displayed and enabled. Without this permission, the button is not displayed.
Access Extended Attribute	Admin	On the PC, with this permission, the Ext. Attribute button on the Setup screen is displayed and enabled. Without this permission, the button is not displayed.
Access Extended Attribute Dept. Assign	Admin	On the PC, with this permission, the Assign to Dept. button on the Extended Attributes screen is displayed and enabled. Without this permission, the button is not displayed.
Access Extended Attribute Setup	Admin	On the PC, with this permission, the Setup Attributes button on the Extended Attributes screen is displayed and enabled. Without this permission, the button is not displayed.

Permission	Topic	Usage
Access Finisher Lookup	Admin	On the PC, with this permission, the Finisher Lookup button on the Lookups screen is displayed and enabled. Without this permission the button is not displayed.
Access Formats	Admin	On the PC, with this permission, the Print Format button on the Print Setup screen is displayed and enabled. Without this permission, the button is not displayed.
Access Hierarchy Format	Admin	On the PC, with this permission, the Hierarchy Format button on the Print Setup screen is displayed and enabled. Without this permission, the button is not displayed.
Access Inventory Adjustment Reason	Admin	On the PC, with this permission, the Inv. Adj. Reason button on the Setup screen is displayed and enabled. Without this permission, the button is not displayed.
Access Inventory Management	Admin	<p>On the HH, with this permission, the Inv. Management menu option on the Main menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the user will have access to functionality within Inventory Management. Without this permission, the user will not have access to Inventory Management functions.</p> <p>On the PC, with this permission, the Inventory Mgmt button on the SIM Login screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Item Lookup	Admin	<p>On the HH, with this permission, the Item Lookups menu option on the Lookups menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the user will have access to functionality within Item Lookups. Without this permission, the user will not have access to Item Lookup functions.</p> <p>On the PC, with this permission, the Item Lookup button on the Lookups screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access Lookup	Admin	<p>On the HH, with this permission, the Lookups menu option on the Main menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the user will have access to functionality within Lookups. Without this permission, the user will not have access to Lookup functions.</p> <p>On the PC, with this permission, the Lookups button on the SIM Login screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access MPS Staged Messages	Admin	<p>On the PC, with this permission, the MPS Staged Messages button on the Technical Maintenance screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access MPS Work Types	Admin	<p>On the PC, with this permission, the MPS Worker Types button on the Technical Maintenance screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Operational Views	Admin	<p>On MAF, with this permission, the Operational Viewed menu option in the Drawer/menu is displayed. Without this permission, the menu option is not displayed.</p>
Access Print	Admin	<p>On the PC, with this permission, the Print button on the SIM Login screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Printers	Admin	<p>On the PC, with this permission, the Printers button on the Print Setup screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Product Groups	Admin	<p>On the PC, with this permission, the Product Group button on the Admin screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Product Group Schedules	Admin	<p>On the PC, with this permission, the Product Group Schedule button on the Admin screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Report	Admin	<p>On the PC, with this permission, the Reports button on the SIM Login screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access Session Printer	Admin	<p>On the HH, with this permission, the Session Printer menu option on the Main menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Session Printer button on the Print Setup screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Setup	Admin	<p>On the PC, with this permission, the Setup button on the Admin screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Shipment Reasons	Admin	<p>On the PC, with this permission, the Shipment Reason button on the Setup screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Shipping Receiving	Admin	<p>On the HH, with this permission, the Shipping/Receiving menu option on the Main menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the user will have access to functionality within Shipping/Receiving. Without this permission, the user will not have access to Shipping/Receiving functions.</p> <p>On the PC, with this permission, the Shipping/Receiving button on the SIM Login screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access SIM Managed Store	Admin	<p>On the PC, with this permission, the SIM Managed Stores button on the SIM Stores screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access SIM Store	Admin	<p>On the PC, with this permission, the SIM Stores button on the Setup screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Store Admin	Admin	<p>On the PC, with this permission, the Store Admin button on the Setup screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Store Defaults Admin	Admin	<p>On the PC, with this permission, the Store Defaults Admin button on the Setup screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access Supplier Lookup	Admin	<p>On the HH, with this permission, the Supplier Lookup menu option on the Lookups menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the user will have access to functionality within Supplier Lookup. Without this permission, the user will not have access to Supplier Lookup functions.</p> <p>On the PC, with this permission, the Supplier Lookup button on the Lookups screen is displayed and enabled. It also is required to display the Primary Supplier button on the Item Detail screen. Without this permission, the button is not displayed.</p>
Access System Admin	Admin	<p>On the PC, with this permission, the System Admin button on the Setup screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Technical Maintenance	Admin	<p>On the PC, with this permission, the Technical Maintenance button on the Admin screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Tolerances	Admin	<p>On the PC, with this permission, the Tolerances button on the Setup screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Transaction History	Admin	<p>On the PC, with this permission the Tran History button on the Lookups screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access UDAs	Admin	<p>On the HH, with this permission, the View UDAs menu option is enabled on the Item Lookup menu. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the UDA option button on the Item Lookup screen is displayed and enabled. Without this permission, the option button is not displayed.</p> <p>On the PC, with this permission, the UDA Print Setup button on the Print Setup screen is displayed and enabled. Without this permission the screen is not displayed.</p> <p>On the PC, with this permission, the UDA Detail button on the Item Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access UI Configuration	Admin	On the PC, with this permission, the UI Configuration button on the Technical Maintenance screen is displayed and enabled. Without this permission, the button is not displayed.
Add Extended Attribute Department	Admin	On the PC, with this permission, the Add button on the Assign Attributes screen is displayed and enabled. Without this permission, the button is not displayed.
Add Inventory Adjustment Reason	Admin	On the PC, with this permission, the Add button on the Inventory Adjustment Reason Maintenance screen is displayed and enabled. Without this permission, the button is not displayed.
Add Shipment Reasons	Admin	On the PC, with this permission, the Add button on the Shipment Reason Maintenance screen is displayed and enabled. Without this permission, the button is not displayed.
Create Product Groups	Admin	On the PC, with this permission, the Create button on the Product Group List screen is displayed and enabled. Without this permission, the button is not displayed.
Create Product Group Schedules	Admin	On the PC, with this permission, the Create button on the Product Group Schedule List screen is displayed and enabled. Without this permission, the button is not displayed.
Create Translations	Admin	On the PC, with this permission, the Create button on the Translation Details screen is displayed and enabled. Without this permission, the button is not displayed.
Delete Extended Attribute Department	Admin	On the PC, with this permission, the Remove button on the Assign Attributes screen is displayed and enabled. Without this permission, the button is not displayed.
Delete Inventory Adjustment Reason	Admin	On the PC, with this permission, the Delete button on the Inventory Adjustment Reason Maintenance screen is displayed and enabled. Without this permission, the button is not displayed.
Delete Product Groups	Admin	On the PC, with this permission, the Delete button on the Product Group List screen will be displayed and enabled. Without this permission, the button is not displayed. If the button is displayed, the user must also have the necessary data permission for the product group the user is attempting to delete. If the user is not authorized for the product group type, User is not authorized to delete this type of Product Group.

Permission	Topic	Usage
Delete Product Group Schedules	Admin	<p>On the PC, with this permission, the Delete button on the Product Group Schedule List screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed. If the button is displayed, the user must also have the necessary data permission for the product group that is associated to the product group schedule that is attempted to be deleted. If the user is not authorized for the product group type, User is not authorized to delete this type of Product Group Schedule.</p>
Delete Shipment Reasons	Admin	<p>On the PC, with this permission, the Delete button on the Shipment Reason Maintenance screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Delete Staged Messages	Admin	<p>On the PC, with this permission, the Delete button on the MPS Staged Message Lookup screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Display Stock Locator	Admin	<p>On the HH, with this permission, the Stock Locator option on the Item Lookup menu is displayed and enabled.</p> <p>Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Stock Locator button on the Item Lookup screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Edit Extended Attribute Setup	Admin	<p>On the PC, with this permission, the Save and Cancel buttons on the Setup Attributes screen are displayed and enabled.</p> <p>Without this permission, the buttons are not displayed.</p>
Edit Product Groups	Admin	<p>On the PC, with this permission, when a user double-clicks on an existing Product Group, the Product Group Detail screen will open. If the user also has the correct data permission for the product group type, the screen will open in Edit mode.</p> <p>Without the necessary data permission for the type, the screen will open in View-only mode. The user must also have this permission for each store that is included on the product group. If the user does, then the user can edit the product group; if the user does not, then the screen will open in View-only mode.</p>

Permission	Topic	Usage
Edit Product Group Schedules	Admin	<p>On the PC, with this permission, when a user double-clicks on an existing Product Group Schedule, the Product Group Schedule Detail screen will open. If the user also has the correct data permission for the product group type, the screen will open in Edit mode. Without the necessary data permission for the type, the screen will open in View only mode. The user must also have this permission for each store that is included on the schedule. If the user does, then the user can edit the schedule; if the user does not then the screen will open in View-only mode.</p>
Access Customer Details	Customer Order	<p>On MAF, with this permission, the Customer Details menu option in the footer menu on the Cust Order Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Customer button on the Customer Order Detail screen. This permission is needed to access the customer details such as name, address for a customer order. Without this permission, the button is not displayed.</p>
Access Customer Order	Customer Order	<p>On the HH, with this permission, the Customer Orders menu option on the Cust Ord Mgmt menu and Item Lookup menu is displayed. Without this permission the option is not displayed.</p> <p>On MAF, with this permission, the Customer Order menu option in the drawer/menu is available under the Customer Order Mgmt menu. Without this permission, the option is not displayed.</p> <p>On the PC, with this permission, the Customer Order button on the Customer Order Management List screen is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On the PC, with this permission, when a user double-clicks on an existing customer order on the Customer Order Management List screen, the Customer Order Detail screen will open. Without this permission, the user is not allowed to access the transaction.</p> <p>On the PC, with this permission, the Customer Orders button on the Item Lookup pop-up search screen is displayed and enabled. Without this permission the tab will be disabled.</p> <p>On the PC, with this permission, the Customer Orders button on the Item Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access Customer Order Delivery	Customer Order	<p>On the HH, with this permission, the Deliver Cust Order menu option on the Cust Ord Mgmt menu is displayed. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the Delivery menu option in the footer menu on the Cust Order Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Delivery button on the Customer Order List and Customer Order Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On the PC, with this permission, when a user double-clicks on an existing customer order delivery on the Customer Order Management List screen, the Customer Order Detail screen will open. Without this permission, when a user double clicks on an existing customer order on the Customer Order Management List screen, the user is not allowed to access the transaction.</p>
Access Customer Order Delivery Attribute	Customer Order	<p>On the HH, with this permission, the Add Ext Attribute menu option on the Customer Order Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Attributes screen on the Item Detail screen, is displayed. Without this permission, the screen is not displayed.</p> <p>On the PC, with this permission, the Ext. Attributes button on the Delivery Summary screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Customer Order Management	Customer Order	<p>On the HH, with this permission, the Customer Order Mgmt menu option on the Main menu is displayed. Without this permission the option is not displayed.</p> <p>On MAF, with this permission, the Customer Order Mgmt menu option in the Drawer/menu is displayed. Without this permission, the option is not displayed.</p> <p>On the PC, with this permission, the Customer Order Mgmt button on the SIM Login screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access Customer Order Pick	Customer Order	<p>On the HH, with this permission, the Customer Order Pick menu option on the Cust Ord Mgmt menu is displayed. Without this permission the option is not displayed.</p> <p>On MAF, with this permission, the Customer Order Picking menu option will be displayed in the drawer. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Pick button on the Customer Order Management List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Customer Order Reverse Pick	Customer Order	<p>On the PC, with this permission, the Reverse Pick button on the Customer Order Detail screen is displayed and enabled. Without this permission, the button is not displayed. With this permission, the Reverse Pick button on the Customer Order List screen is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On the PC, with this permission, when a user double-clicks on an existing customer order reverse pick record on the Customer Order Management List screen, the Customer Order Detail screen will open. Without this permission, when a user double clicks on an existing customer order reverse pick record on the Customer Order Management List screen, the user is not allowed to access the transaction.</p>
Cancel Submit Customer Order Delivery	Customer Order	<p>On the HH, with this permission, the Cancel Submit menu option on the Delivery Summary menu is displayed. Without this permission the option is not displayed.</p> <p>On MAF, with this permission, the Cancel Submit menu option in the footer menu on the Delivery Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Cancel Submit button on the Customer Order Delivery Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Confirm Customer Order Pick	Customer Order	<p>On the HH, with this permission, the Confirm Now menu option on the Pick Summary menu is displayed. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the Confirm menu option in the footer menu on the Pick Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Confirm button on the Customer Order Pick List Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Confirm Customer Order Reverse Pick	Customer Order	<p>On the PC, with this permission, the Confirm button on the Customer Order Reverse Pick Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Create Customer Order Delivery For Pickup	Customer Order	<p>On the HH, with this permission, the Create Delivery menu option on the Deliver Cust Order menu is displayed. In addition, the option will only be available for orders with a Reservation Type 'Web Orders' and Delivery Type 'Pickup'. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the Create button on the Delivery List screen is displayed. In addition, the button will only be available for orders with a Delivery Type 'Pickup'. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Create button on the Customer Order Delivery List screen is displayed and enabled. In addition, the button will only be available for orders with a Reservation Type 'Web Orders' and Delivery Type 'Pickup'. Without this permission, the button is not displayed.</p>
Create Customer Order Delivery for Shipment	Customer Order	<p>On the HH, with this permission, the Create Delivery menu option on the Deliver Cust Order menu is displayed. In addition, the option will only be available for orders with a Reservation Type 'Web Orders' and Delivery Type 'Shipment'. Without this permission the option is not displayed.</p> <p>On MAF, with this permission, the Create button on the Delivery List screen is displayed. In addition, the button will only be available for orders with a Reservation Type 'Web Orders' and Delivery Type 'Shipment'. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Create button on the Customer Order Delivery List screen is displayed and enabled. In addition, the button will only be available for orders with a Reservation Type 'Web Orders' and Delivery Type 'Shipment'. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Create Customer Order Pick	Customer Order	<p>On the HH, with this permission, the Create Pick menu option on the Customer Order Pick menu is displayed. Without this permission the option is not displayed.</p> <p>On MAF, with this permission, the Create button on the Pick List Screen is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On MAF, with this permission, the Pick menu option in the footer menu on the Cust Order Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Create button on the Customer Order Pick List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Create Customer Order Reverse Pick	Customer Order	<p>On the PC, with this permission, the Create button on the Customer Order Reverse Pick List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Delete Customer Order Delivery	Customer Order	<p>On the HH, with this permission, the Delete Delivery menu option on the Delivery Summary screen is displayed. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the Delete menu option in the footer menu on the Delivery Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Delete button on the Customer Order Delivery List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Delete Customer Order Pick	Customer Order	<p>On the HH, with this permission, the Delete Pick menu option on the Pick Summary screen is displayed. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the Delete menu option in the footer menu on the Pick Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Delete button on the Customer Order Pick List screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Delete Customer Order Reverse Pick	Customer Order	On the PC, with this permission, the Delete button on the Customer Order Reverse Pick List screen is displayed and enabled. Without this permission, the button is not displayed.
Dispatch Customer Order Delivery	Customer Order	On the HH, with this permission, the Dispatch Now menu option on the Delivery Summary screen is displayed. Without this permission, the option is not displayed. On MAF, with this permission, the Dispatch menu option in the footer menu on the Delivery Items Screen is displayed. Without this permission, the menu is not displayed. On the PC, with this permission, the Dispatch button on the Customer Order Delivery Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Dispatch Incomplete Customer Order Delivery	Customer Order	On the HH, with this permission, when the Dispatch Now has been selected on the Delivery Summary screen and the customer order is incomplete a warning message is displayed to the user and allowed to cancel or continue. Without this permission, when the Dispatch Now has been selected on the Delivery Summary screen when the customer order is incomplete, an error message is displayed to the user and the user cannot continue. On MAF, with this permission, when the Dispatch menu option on the Delivery Items screen has been selected and the customer order is incomplete, a warning message is displayed to the user and allowed to cancel or continue. Without this permission, when the Dispatch menu option has been selected on the Delivery Items, an error message is displayed and the user cannot continue. On the PC, with this permission, when the Dispatch button on the Customer Order Delivery Detail screen has been selected and the customer order is incomplete, a warning message is displayed to the user and allowed to cancel or continue. Without this permission, when the Dispatch button has been selected on the Delivery Summary screen when the customer order is incomplete, an error message is displayed to the user and the user cannot continue.

Permission	Topic	Usage
Edit Customer Order BOL	Customer Order	<p>On MAF, with this permission, the Edit Delivery menu option in the footer menu on the Delivery Items screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the BOL Detail screen will open in Edit mode. In addition, the View Customer Order BOL permission is required to gain access to the screen. Without this permission, the BOL Detail screen is View-only.</p>
Edit Customer Order Delivery Attribute	Customer Order	<p>On MAF, with this permission, the Add Attributes button and Remove Attributes (Trash can) on the Attributes screen of the Item Detail screen are displayed and enabled. Without this permission, the button and trash can are not displayed.</p> <p>On the PC, with this permission, the Apply, Add, Remove and Cancel buttons on the Extended Attribute Data Entry screen are displayed and enabled. Without this permission, the buttons are not displayed.</p>
Edit Customer Order Delivery For Pickup	Customer Order	<p>On the HH, with this permission, the Edit Delivery menu option on the Deliver Cust Order menu is displayed. In addition, the option will only be available for orders with a Reservation Type 'Web Orders' and Delivery Type 'Pickup'. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, when a user selects on an existing Customer Order Delivery record, the Delivery Items screen and Item Detail screen will be editable. In addition, only the orders with a Delivery Type 'In Store Pickup' will be editable. Without this permission, the screen will open in View-only mode.</p> <p>On the PC, with this permission, when a user double-clicks on an existing Customer Order Delivery record, the Customer Order Delivery Detail screen will open. In addition, only the orders with a Reservation Type 'Web Orders' and Delivery Type 'Pickup' will be editable. Without this permission, the screen will open in View-only mode.</p>

Permission	Topic	Usage
Edit Customer Order Delivery For Shipment	Customer Order	<p>On the HH, with this permission, the Edit Delivery menu option on the Deliver Cust Order menu is displayed. In addition, the option will only be available for orders with a Reservation Type 'Web Orders' and Delivery Type 'Shipment'. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, when a user selects on an existing Customer Order Delivery record, the Delivery Items screen and Item Detail screen will be editable. In addition, only the orders with a Delivery Type 'Ship to Customer' will be editable. Without this permission, the screen will open in View-only mode.</p> <p>On the PC, with this permission, when a user double-clicks on an existing Customer Order Delivery record, the Customer Order Delivery Detail screen will open. In addition, only the orders with a Reservation Type 'Web Orders' and Delivery Type 'Shipment' will be editable. Without this permission, the screen will open in View-only mode.</p>
Edit Customer Order Pick	Customer Order	<p>On the HH, with this permission, the Review Pick menu option on the Pick Summary screen is displayed. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, when the user selects a Customer Order Pick, the Pick Items screen and the Item Details screen will open in edit mode. Without this permission, the screens will open in a view-only mode.</p> <p>On the PC, with this permission, when a user double-clicks on an existing Customer Order Pick record, the Customer Order Pick Detail screen will open in an edit mode. Without this permission, the screen will open in View-only mode.</p>
Edit Customer Order Reverse Pick	Customer Order	<p>On the PC, with this permission, when a user double-clicks on an existing Customer Order Reverse Pick record, the Customer Order Reverse Pick Detail screen will open in edit mode. Without this permission, the screen will open in View-only mode.</p>
Edit Quantity Deliveries	Customer Order	<p>On MAF, with this permission, the Delivery quantity field and quantity widget on the Item Detail screen is enabled. Without this permission, the field and quantity widget is not enabled and only scanning is allowed.</p>

Permission	Topic	Usage
Edit Quantity Picking	Customer Order	On MAF, with this permission, the Picking quantity field and quantity widget on the Item Detail screen is enabled. Without this permission, the field and quantity widget is not enabled and only scanning is allowed.
Item Substitution For Picking	Customer Order	<p>On the HH, with this permission, the Item Substitution option on the Pick Detail screen is enabled. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the Item Substitution menu option in the footer menu on the Item Detail Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Item Substitution button on the Customer Order Pick Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Reject Customer Order	Customer Order	<p>On MAF, with this permission, the Reject menu option in the footer menu on the Cust Order Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Reject button on the Customer Order Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Submit Customer Order Delivery	Customer Order	<p>On the HH, with this permission, the Submit menu option on the Delivery Summary screen is displayed. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the Submit menu option in the footer menu on the Delivery Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the Submit button on the Customer Order Delivery Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
View Customer Order BOL	Customer Order	<p>On MAF, with this permission, the BOL Info menu option in the footer menu on the Delivery Items Screen is displayed. Without this permission, the menu is not displayed.</p> <p>On the PC, with this permission, the BOL button on the Customer Order Delivery Detail screen is displayed and enabled. The BOL Detail screen will open in View-only mode. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access Adjust Container DSD Receiving	DSD Receiving	<p>On the HH, with this permission, the Adjust menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Adjust button on the DSD Receiving Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Confirm Container DSD Receiving	DSD Receiving	<p>On the HH, with this permission, the Confirm menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Confirm button on the DSD Receiving Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Confirm DSD Receipt	DSD Receiving	<p>On the HH, with this permission, the Confirm menu option on the Receipt Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Confirm button on the DSD Receiving Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Create Container	DSD Receiving	<p>On the HH, with this permission, the Create Container menu option on the Receipt Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Create Container button on the DSD Receiving Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Customer Order	DSD Receiving	<p>On the PC, with this permission, the Customer Orders button on the DSD Receiving Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Default Qty in All Containers	DSD Receiving	<p>On the HH, with this permission, the Default Qty menu option on the Receipt Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Default Qty button on the DSD Receiving Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Default Qty in Container	DSD Receiving	<p>On the HH, with this permission, the Default Qty menu option on the Receipt Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Default Qty button and the Clear Qty button on the DSD Receiving Detail Container screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Delete Container	DSD Receiving	<p>On the HH, with this permission, the Delete Container menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Delete button on the DSD Receiving Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Delete Receipt	DSD Receiving	<p>On the HH, with this permission, the Delete Receipt menu option on the Receipt Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Delete Delivery button on the DSD Receiving Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Document DSD Receiving	DSD Receiving	<p>On the PC, with this permission, the Document button on the DSD Receiving Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access DSD Receiving	DSD Receiving	<p>On the HH, with this permission, the DSD Receiving menu option on the Shipping/Receiving screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the DSD Receiving button on the Shipping/Receiving screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access DSD Receiving Ext. Attribute	DSD Receiving	<p>On the HH, with this permission, the Add Ext Attribute menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Ext. Attributes button on the DSD Receiving Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Item Receiving	DSD Receiving	<p>On the HH, with this permission, the Item Receiving menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p>
Access Purchase Order	DSD Receiving	<p>On the HH, with this permission, the Purchase Order menu option on the DSD Receiving screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Purchase Order button on the Shipping/Receiving screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Reject Delivery	DSD Receiving	<p>On the HH, with this permission, the Reject Delivery menu option on the Receipt Summary screen is displayed. The menu option is only displayed when applying an ASN to a delivery. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Reject Delivery button on the DSD Receiving Detail screen is displayed and enable. The button is only displayed when applying an ASN to a delivery. Without this permission, the button is not displayed.</p>
Access Remove Item DSD Receiving	DSD Receiving	<p>On the HH, with this permission, the Remove Item menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Remove Item button on the DSD Receiving Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Review Items	DSD Receiving	<p>On the HH, with this permission, the Review Item menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p>

Permission	Topic	Usage
Add New Item DSD Receiving	DSD Receiving	<p>On the HH, with this permission, the Add New Item menu option on the Container Summary screen is displayed.</p> <p>Without this permission, the menu option is not displayed. An item can always be added when creating a receipt on the fly.</p> <p>On the PC, with this permission, an item can be added to the transaction.</p> <p>Without this permission, an item cannot be added to the transaction from the DSD Receiving Container Detail screen or Advanced Item Entry screen. An Item can always be added when creating a receipt on the fly.</p>
Allow DSD Receiving Without PO	DSD Receiving	<p>On the HH, with this permission, the Create Receipt menu option on the DSD Receiving screen is displayed.</p> <p>Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Create Receipt menu option on the DSD Receiving List screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Allow DSD Receiving With PO	DSD Receiving	<p>On the HH, with this permission, the Create Receipt menu option on the PO Detail screen is displayed.</p> <p>Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Create Receipt button on the Purchase Order Detail screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Allow Over Receiving for DSD Receiving	DSD Receiving	<p>On the HH, with this permission, the user is allowed to over-receive quantities for a DSD Receipt.</p> <p>Without this permission, the user is not allowed to over-receive quantities and a message is displayed.</p> <p>On the PC, with this permission, the user is allowed to over-receive quantities.</p> <p>Without this permission, the user is not allowed to over-receive quantities and will be prompted when damaged and received quantity is larger than the expected quantity.</p>

Permission	Topic	Usage
Allow Receiving Damages	DSD Receiving	<p>On the HH, with this permission, the Record Damages menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the damaged column on the DSD Receiving Container Detail screen is displayed and enabled. Without this permission, the damaged column is not displayed.</p>
Display Expected Quantity	DSD Receiving	<p>On the HH, with this permission, the expected quantity on the Item Detail screen is displayed. Without this permission, the quantity is not displayed.</p> <p>On the PC, with this permission, the expected quantity column on the DSD Receiving Container Detail screen is displayed and enabled. Without this permission, the column is not displayed.</p>
Edit Container	DSD Receiving	<p>On the HH, with this permission, the Edit Container menu option on the Receipt Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, when the user double-clicks on an existing Container in the DSD Receiving Detail screen, the DSD Receiving Container Detail screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>
Edit Container Info	DSD Receiving	<p>On the HH, with this permission, the Additional Details option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Container Info screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>
Edit Delivery Info	DSD Receiving	<p>On the HH, with this permission, the Additional Details menu option on the Receipt Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Direct Delivery Info screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>

Permission	Topic	Usage
Edit DSD Receiving	DSD Receiving	On the PC, with this permission, when the user double-clicks on an existing Receipt in the DSD Receiving List screen, the DSD Receiving Detail screen will open in edit mode. Without this permission, the screen will open in view-only mode.
Edit DSD Receiving Ext. Attribute	DSD Receiving	On the PC, with this permission, the Apply, Add Attributes, Remove Attributes and Cancel buttons on the Extended Attributes Entry screen are displayed and enabled. Without this permission, the Close button is displayed and enabled.
Override Supplier Discrepancies	DSD Receiving	On the HH, with this permission, the user can override the supplier discrepancies check during the DSD receipt. Without this permission, the message "Quantity received is larger than expected, reduce the quantity received" is displayed. On the PC, with this permission, the user can override the supplier discrepancies check during the direct delivery receipt. Without this permission, the message "Quantity received is larger than expected, reduce the quantity received" is displayed.
Receive Direct Delivery on Shop Floor	DSD Receiving	On the HH, with this permission, the Receive on Shop Floor prompt on the DSD Receiving Detail screen will be displayed. Without this permission the prompt is not displayed. On the PC, with this permission, the Receive on Shop Floor check box on the DSD Container Info screen is displayed and enabled. Without this permission, the check box is not enabled.
Email Alert - Customer Order Pick Reminder	Email	With this permission, the user will be notified, if the pick list has been created but not actioned. Without this permission, the user will not be notified.
Email Alert - Customer Order Receipt	Email	With this permission, the user will be notified when customer orders are received. Without this permission, the user will not be notified.
Email Alert - Customer Order Reminder	Email	With this permission, the user will be notified when the customer order has not been fulfilled. Without this permission, the user will not be notified.
Email Alert - Damaged Delivery	Email	With this permission, the user will be notified when the delivery includes damaged items. Without this permission, the user will not be notified.

Permission	Topic	Usage
Email Alert - Finisher Delivery Unable to Auto-Receive	Email	With this permission, the user will be notified when the finisher delivery UIN qty discrepancy exists on an incoming ASN during batch processing. Without this permission, the user will not be notified.
Email Alert - Finisher UIN Discrepancy	Email	With this permission, the user will be notified when a finisher return received quantity does not match the number of serial numbers on the return. Without this permission, the user will not be notified.
Email Alert - Misdirected Container	Email	With this permission, the user will be notified when a container has been received in another location. Without this permission, the user will not be notified.
Email Alert - New Customer Order	Email	With this permission, the user will be notified when customer orders are created. Without this permission, the user will not be notified.
Email Alert - Over Received Quantity	Email	With this permission, the user will be notified when the number of pre-populated serial numbers exceeds the received quantity. Without this permission, the user will not be notified.
Email Alert - Receiving UIN Discrepancy	Email	With this permission, the user will be notified when the number of pre-populated serial numbers does not match the received quantity. Without this permission, the user will not be notified.
Email Alert -RTV Request Expiration Approaching	Email	With this permission, the user will be notified if the supplier return request expiration date is approaching. Without this permission, the user will not be notified.
Email Alert - RTV Unavailable request quantity	Email	With this permission, the user will be notified if there is not enough inventory in the unavailable bucket to send back to supplier from a return request. Without this permission, the user will not be notified.
Email Alert - Shipped Delivery Overdue	Email	With this permission, the user will be notified when the shipped delivery has not been received and has passed the expected date. Without this permission, the will not be notified.
Email Alert - Store Delivery Unable to Auto-Receive	Email	With this permission, the user will be notified when a store delivery has discrepancies and cannot be auto received. Without this permission, the user will not be notified.
Email Alert - Store Receiving Over/Under	Email	With this permission, the user will be notified when a store transfer has over/under received quantities. Without this permission, the user will not be notified.

Permission	Topic	Usage
Email Alert - Transfer Request	Email	With this permission, the user will be notified when a transfer request is created. Without this permission, the user will not be notified.
Email Alert - Transfer Request Approved	Email	With this permission, the user will be notified when a transfer request is approved. Without this permission, the user will not be notified.
Email Alert - Transfer Request Expiration Approaching	Email	With this permission, the user will be notified when a transfer request has not been approved and the request is about to expire. This is based on the not after date set. Without this permission, the user will not be notified.
Email Alert - Transfer Request Rejected	Email	With this permission, the user will be notified when a transfer request is rejected. Without this permission, the user will not be notified.
Email Alert - Transfer Unavailable Request Quantity	Email	With this permission, the user will be notified when the requested quantity is no longer available at the requested source location. Without this permission, the user will not be notified.
Email Alert - UIN Items on Incoming ASN Failed	Email	With this permission, the user will be notified if an Auto Generated SN item is on the ASN with pre-generated numbers when processing thru the RIB. Without this permission, the user will not be notified.
Email Alert - Unexpected UIN (Store Changed)	Email	With this permission, the user will be notified when UINs are discovered at a store where they should not be. Without this permission, the user will not be notified.
Email Alert - Warehouse Delivery Unable to Auto-Receive	Email	With this permission, the user will be notified when the delivery includes pre-populated serial numbers and cannot be automatically received. Without this permission, the user will not be notified.
Access Notifications	Home Page	On MAF, with this permission, the bell notification icon will be enabled. Without this permission, it will be disabled.
Send Notification	Home Page	On MAF, with this permission, the user will be able to swipe an open transaction and send a notification. Without this permission, the notify function will not be available.

Permission	Topic	Usage
View Transactions	Home Page	On MAF, with this permission, the user will be able to view all of the open transactions on the home page (depending on data permissions). Without this permission, the home page will still display (just without the transactions listed) allowing for changing the store and the access to notifications; however the list of open transactions will be empty.
Access Inventory Adjustment	Inventory Adjustments	<p>On the HH, with this permission, the Inventory Adjustments menu option on the Inv. Management menu is displayed. Without this permission the menu option is not displayed.</p> <p>On MAF, with this permission, the Inventory Adjustment menu option will display in the Drawer. Without this permission, the menu option will not display.</p> <p>On the PC, with this permission, the Inventory Adjustment button on the Inventory Management screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Inventory Adjustment Attribute	Inventory Adjustments	<p>On the HH, with this permission, the Add Ext Attribute menu option on the Inventory Adj. Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Attributes screen on the Inventory Adjustment Detail screen is displayed and enabled. Without this permission, the Attributes screen is not displayed.</p> <p>On the PC, with this permission, the Ext. Attributes button on the Inventory Adjustment Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Complete Inventory Adjustment	Inventory Adjustments	<p>On the HH, with this permission, the Confirm Now menu option on the Inventory Adjustment Summary screen is displayed. Without this permission, the menu option is not displayed. The Confirm Later menu option will be available to save the transaction.</p> <p>On MAF, User must have this permission in order for the Confirm action to appear on the footer menu on the Inventory Adjustment Detail Screen. Without this permission, the user will not be able to confirm the transaction, but only be able to Save the transaction.</p> <p>On the PC, with this permission, the Confirm button on the Inventory Adjustment Detail screen is displayed and enabled. Without this permission, the button is not displayed. The Save button will be enabled to save the transaction.</p>
Create Inventory Adjustment	Inventory Adjustments	<p>On the PC, with this permission, the Create button on the Inventory Adjustment List Screen will be displayed and enabled. Without this permission, the button will not be displayed.</p> <p>On MAF, the permission must exist in order for the Copy action to be available to the user. This action is available in the footer menu and allows the user to copy 'Completed' adjustments.</p> <p>On the PC, with this permission, the Create button on the Inventory Adjustment List screen is displayed and enabled. The Copy button is also enabled with this permission when the user is copying completed adjustments. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Delete Inventory Adjustment	Inventory Adjustments	<p>On the HH, with this permission, the Delete Inv. Adj. menu option on the Inventory Adj. Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Delete menu option in the footer menu on the Inventory Adjustment List screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Delete button on the Inventory Adjustment List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Edit Inventory Adjustment	Inventory Adjustments	<p>On the HH, with this permission, the Edit Inv. Adj. menu option in the Inventory Adj. menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, when the user selects an inventory adjustment it will be editable and the user is allowed to make changes. Without this permission, the inventory adjustment is view only.</p> <p>On the PC, with this permission, when the user double-clicks on an existing Inventory Adjustment in the Inventory Adjustment List screen, the Inventory Adjustment Detail is editable. Without this permission, the screen will open in View-only mode.</p>
Edit Inventory Adjustment Attribute	Inventory Adjustments	<p>On MAF, with this permission, Attributes can be added/removed: The Add Attributes and Remove Attributes (Trash can) buttons will be available on the Attributes screen of the Inventory Adjustment Detail. Without this permission, attributes cannot be added or removed.</p> <p>On the PC, with this permission, the Apply, Add Attributes, Remove Attributes and Cancel buttons on the Extended Attributes Entry screen are displayed and enabled. Without this permission, the Close button is displayed and enabled.</p>
Edit Quantity	Inventory Adjustments	<p>On MAF, with this permission, the user will be able to tap on the item quantity and the quantity widget will open to edit the quantity. Without this permission, the quantity is not editable and only scanning is allowed.</p>

Permission	Topic	Usage
Access Item Basket	Item Basket	On the HH, with this permission, the Item Basket menu option on the Inv. Management menu is displayed. Without this permission, the menu option is not displayed.
Add Item to Item Basket	Item Basket	On the HH, with this permission, the Add Item option on the Item Basket summary menu is displayed. Without this permission, the menu option is not displayed.
Create Item Basket	Item Basket	On the HH, with this permission, the Create Item Basket menu option on the Item Basket menu is displayed. Without this permission, the menu option is not displayed.
Delete Item Basket	Item Basket	On the HH, with this permission, the Delete Item Basket option on the Item Basket summary menu is displayed. Without this permission, the menu option is not displayed.
Delete Item from Item Basket	Item Basket	On the HH, with this permission the Delete Item option on the Item Basket summary menu is displayed. Without this permission, the menu option is not displayed.
Print Item Basket	Item Basket	On the HH, with this permission, the Print Ticket option on the Item Basket summary is displayed. Without this permission, the menu option is not displayed.
Save Item Basket	Item Basket	On the HH, with this permission, the Save Basket option on the Item Basket summary is displayed. Without this permission, the menu option is not displayed.
Access Item Request	Item Requests	On the HH, with this permission, the Item Requests menu option on the Inv. Management menu is displayed. Without this permission, the menu option is not displayed. On the PC, with this permission, the Item Request button on the Inventory Management screen is displayed and enabled. Without this permission, the button is not displayed.

Permission	Topic	Usage
Add Items To Item Request	Item Requests	<p>On the HH, with this permission, the Add/Edit Item menu option on the Item Requests Summary screen is displayed. Without this permission, the menu option is not displayed. This permission does not apply when creating an Item Request. Add/Edit Item menu is always available when creating.</p> <p>On the PC, with this permission and the Edit Item Requests permission, the Add Item button on the Item Request Detail Screen is displayed and enabled when editing an existing Item Request. Without this permission, the button is not displayed. This permission does not apply when creating an Item Request. Add Item button is always available when creating.</p> <hr/> <p>On the HH, with this permission, the Add/Edit Item menu option on the Item Requests Summary screen is displayed. Without this permission the menu option is not displayed when editing an Item Request.</p> <p>On the HH, with this permission, the message “Item is not on the request. Would you like to add it?” and the Yes and No menu options are displayed. Without this permission, the message screen is not displayed. This permission does not apply when creating an item request. Users will always be able to add and edit items when creating an item request.</p> <p>On the PC, with this permission and the Edit Item Requests permission, the Add Item button on the Item Request Detail screen is displayed and enabled when editing an existing Item Request. Without this permission, the button is not displayed. This permission does not apply when creating an Item Request. Add Item button will always be available when creating.</p>
Create Item Request	Item Requests	<p>On the HH, with this permission, the Create Item Request menu option on the Item Requests menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Create button on the Item Request List screen is displayed and enabled. The Add Items button will also be enabled on the Item Request Detail screen. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Delete Item Request	Item Requests	<p>On the HH, with this permission, the Delete Item Request menu option on the Item Requests menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Delete button on the Item Request List screen is displayed and enabled. Without this permission, the button is not displayed. With this permission, the Item Remove button on the Item Request Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Edit Item Request	Item Requests	<p>On the HH, with this permission, the Edit Item Request menu option on the Item Requests menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, when the user double clicks on an existing Item Request in the Item Request List screen, the Item Request Detail screen will open in edit mode. Without this permission, the screen will open in View-only mode.</p>
Request Items	Item Requests	<p>On the HH, with this permission, the Request Item Request menu option on the Item Requests menu is displayed. Without this permission the menu option is not displayed.</p> <p>On the HH, with this permission, the Request Now menu option on the Item Requests Summary screen is displayed. Without this permission the menu option is not displayed.</p> <p>On the PC, with this permission, the Request button on the Item Request Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Item Ticket	Item Tickets	<p>On the HH, with this permission, the Ticket Printing menu option on the Main menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Item Ticket button on the Print Menu screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Item Ticket Batch	Item Tickets	<p>On the PC, with this permission, the Item Ticket Batch button in the Print Menu screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access Item Ticket Price Override	Item Tickets	<p>On the HH, with this permission the Ticketing Price Override menu is displayed and the user can override the price on the Ticket Detail screen.</p> <p>Without this permission, the menu is not displayed and the user cannot override the price.</p>
Create Item Ticket	Item Tickets	<p>On the PC, with this permission, the Create button on the Item Tickets List screen and the Add Ticket button on the Item Ticket Batch Detail screen are displayed and enabled.</p> <p>Without this permission, the buttons are not displayed.</p>
Create Item Ticket Batch	Item Tickets	<p>On the PC, with this permission, the Create Batch button on the Item Ticket Batch List screen and Generate Tickets button on the Add Transaction screen are displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Delete Item Ticket	Item Tickets	<p>On the PC, with this permission, the Delete button on the Item Tickets List, Item Ticket Batch List screens and the Remove Ticket button on the Item Ticket Batch Detail screens are displayed and enabled.</p> <p>Without this permission, the buttons are not displayed.</p>
Edit Item Ticket	Item Tickets	<p>On the PC, with this permission, when the user double clicks on an existing Item Ticket in the Item Ticket List or Item Ticket Batch Detail screen, the Item Ticket Detail screen will open in edit mode.</p> <p>On the PC, with this permission, when the user double clicks on an existing item ticket batch on the Item Ticket Batch List screen, the Item Ticket Batch Detail screen will open in edit mode.</p> <p>Without this permission, the screens will open in View-only mode.</p>
Print Item Tickets	Item Tickets	<p>On the PC, with this permission, the Print Tickets button on the Item Ticket List, Item Ticket Detail, Item Ticket Batch List and Item Ticket Batch Detail screens are displayed and enabled. Without this permission, the button is not displayed.</p>
Update Format Item Ticket	Item Tickets	<p>On the PC, with this permission, the Update Format button on the Item Ticket List, Item Tickets Batch List and Item Ticket Batch Detail screens are displayed and enabled.</p> <p>Without this permission, the buttons are not displayed.</p>
Update SOH Item Ticket	Item Tickets	<p>On the PC, with this permission, the Refresh Qty button on the Item Tickets List, Item Ticket Batch List and Item Ticket Batch Detail screens are displayed and enabled.</p> <p>Without this permission, the buttons are not displayed.</p>

Permission	Topic	Usage
Access Price Change	Price Changes	On the PC, with this permission, the Price Change button on the Inventory Management screen is displayed and enabled. Without this permission, the button is not displayed.
Create Price Change	Price Changes	On the PC, with this permission, the Create button on the Price Change List screen is displayed and enabled. Without this permission, the button is not displayed.
Print Item Tickets For Price Changes	Price Changes	On the PC, with this permission, the Item Tickets button on the Price Change List screen is displayed and enabled. Without this permission, the button is not displayed.
Print Shelf Labels For Price Changes	Price Changes	On the PC, with this permission, the Shelf Labels button on the Price Change List screen is displayed and enabled. Without this permission, the button is not displayed.
Accept RTV	RTV	On the PC, with this permission, the Accept button on the RTV Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Access RTV	RTV	On the PC, with this permission, the RTV button on the Shipping/Receiving screen is displayed and enabled. Without this permission, the button is not displayed.
Add Items To RTV	RTV	On the PC, with this permission, an item can be added to the transaction. on the RTV Detail screen is displayed and enabled. Without this permission, the item cannot be added from the RTV Detail screen or Advanced Item Entry screen. If the user is creating an RTV, the item can be added to the transaction.
Approve RTV	RTV	On the PC, with this permission, the Approve button on the RTV Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Close RTV	RTV	On the PC, with this permission, the Close RTV button on the RTV Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Create RTV	RTV	On the PC, with this permission, the Create RTV button on the RTV List Screen is displayed and enabled. Without this permission, the button is not displayed.
Remove Item	RTV	On the PC, with this permission, the Remove Item button on the RTV Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Delete RTV	RTV	On the PC, with this permission, the Delete button on the RTV Detail Screen is displayed and enabled. Without this permission, the button is not displayed.

Permission	Topic	Usage
Edit RTV	RTV	On the PC, with this permission, when the user double-clicks on an existing RTV in the RTV List screen, the RTV Detail screen will open in edit mode. Without this permission, the screen will open in view-only mode.
Reject RTV	RTV	On the PC, with this permission, the Reject button on the RTV Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Shipment Create RTV	RTV	On the PC, with this permission, the Ship button on the RTV Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Access RTV Shipment	RTV Shipment	On the HH, with this permission, the RTV Shipment button on the Shipping/Receiving menu is displayed. Without this permission, the button is not displayed. On the PC, with this permission, the RTV Shipment button on the Shipping/Receiving screen is displayed and enabled. Without this permission, the button is not displayed.
Access RTV Shipment Attribute	RTV Shipment	On the HH, with this permission, the Add Ext Attribute menu option on the RTV Container Detail screen is displayed. Without this permission, the menu option is not displayed. On the PC, with this permission, the Ext. Attributes button on the RTV shipment Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Add Items to RTV Shipment	RTV Shipment	On the HH, with this permission, an item can be added to the transaction. Without this permission, an item cannot be added. If the user is creating an RTV, an item can always be added. On the PC, with this permission, an item can be added to the transaction on the RTV shipment Container Detail screen or Advanced Item Entry screen. Without this permission, an item cannot be added to the transaction. If the user is creating an RTV, an item can always be added.
Allow Non Document Items RTV Shipment	RTV Shipment	On the HH, with this permission, the user is allowed to add items not existing on the RTV selected. Without this permission, the user can only ship items already existing on the RTV document. On the PC, with this permission, the user is allowed to add items not existing on the RTV selected. Without this permission, the user can only ship items already existing on the RTV document.

Permission	Topic	Usage
Allow over shipping RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the user is allowed to ship more products than approved on the RTV. Without this permission, the user will not be allowed to overship.</p> <p>On the PC, with this permission, the user is allowed to ship more products than approved on the RTV. Without this permission, the user will not be allowed to overship.</p>
Cancel Submit RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the Cancel Submit menu option on the RTV Shipment Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Cancel Submit button on the RTV shipment Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Confirm RTV Shipment Container	RTV Shipment	<p>On the HH, with this permission, the Confirm Container menu option on the RTV shipment Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Confirm button on the RTV shipment Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Create RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the Create menu option on the RTV Shipment menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Create button on the RTV Shipment List screen and the Add Item button on the RTV Shipment Detail screen is displayed and enabled. Without this permission, the buttons are not displayed.</p>
Create RTV Shipment Container	RTV Shipment	<p>On the HH, with this permission, the Add Container menu option on the RTV Shipment Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Create Container button on the RTV Shipment Detail screen is displayed and enabled. Without this permission, the menu option is not displayed.</p>

Permission	Topic	Usage
Default Items to RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the Default Item menu option on the RTV Shipment menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Default Item button on the RTV shipment Container Detail screen is displayed and enabled. Without this permission, the menu option is not displayed.</p>
Remove Item	RTV Shipment	<p>On the HH, with this permission, the Delete Item menu option on the RTV shipment Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Remove Item button on the RTV shipment Container Detail screen is displayed and enabled. Without this permission, the menu option is not displayed.</p>
Delete RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the Delete option on the RTV Shipment Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Delete button on the RTV Shipment Detail screen is displayed and enabled. Without the permission, the button is not displayed.</p>
Delete RTV Shipment Container	RTV Shipment	<p>On the HH, with this permission, the Delete container menu option on the RTV shipment Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Delete button on the RTV shipment Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Dispatch RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the Dispatch Now menu option on the RTV Shipment Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Dispatch button on the RTV Shipment Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Edit Container RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the Edit Container menu option on the RTV Shipment Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, when the user double-clicks on an existing container on the RTV Shipment Detail screen, the RTV Shipment Container Detail screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>
Edit RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the Edit menu option on the RTV Shipment screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, when the user double-clicks on an existing RTV Shipment on the RTV Shipment List screen, the RTV Shipment Detail screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>
Edit RTV Shipment Attribute	RTV Shipment	<p>On the PC, with this permission, the Apply, Add, Remove and Cancel buttons on the Extended Attribute Entry screen is displayed and enabled. Without this permission, the buttons are not displayed.</p>
Edit RTV Shipment BOL	RTV Shipment	<p>On the PC, with this permission, the BOL button on the RTV Shipment Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Edit RTV Shipment Info	RTV Shipment	<p>On the HH, with this permission, the Additional Details menu option on the RTV Shipment Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Info button on the RTV Shipment Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Edit RTV Container Info	RTV Shipment	<p>On the HH, with this permission, the Additional Details menu option on the RTV Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Info button on the RTV Shipment Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Adjust Container RTV Shipment	RTV Shipment	<p>With this permission, the Adjust Container menu option on the RTV shipment Container Summary screen is displayed.</p> <p>Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Open button on the RTV Shipment Container Detail screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Review Container RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the Review Container menu option on the RTV Container Summary screen is displayed.</p> <p>Without this permission, the menu option is not displayed.</p>
Submit RTV Shipment	RTV Shipment	<p>On the HH, with this permission, the Submit menu option on the RTV Shipment Summary screen is displayed.</p> <p>Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Submit button on the RTV Shipment Detail screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Access Role Maintenance	Security	<p>On the PC, with this permission, the Role Maintenance button on the Security menu is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Access Security	Security	<p>On the PC, with this permission, the Security button on the Admin menu is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Access User Maintenance	Security	<p>On the PC, with this permission, the User Maintenance button on the Security menu is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Assign Password	Security	<p>On the PC, with this permission, the Assign Password button on the User Detail screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Assign User Group	Security	<p>On the PC, with this permission, the Assign Group button on the User Detail screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>
Assign User Role	Security	<p>On the PC, with this permission, the Assign Roles button on the User Detail screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Assign User Store	Security	On the PC, with this permission, the Assign Stores button on the User Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Create User	Security	On the PC, with this permission, the Create button on the User List is displayed and enabled. Without this permission, the button is not displayed.
Delete Role	Security	On the PC, with this permission, the Delete button on the Role List screen is displayed and enabled. Without this permission, the button is not displayed.
Delete User	Security	On the PC, with this permission, the Delete button on the User List screen is displayed and enabled. Without this permission, the button is not displayed.
Edit User	Security	On the PC, with this permission, when the user double-clicks on an existing user in the User List screen, the User Detail screen will open in edit mode. Without this permission, the User Detail screen will open in view-only mode.
Mass Assign User Role	Security	On the PC, with this permission, the Mass Assign Roles button on the Security menu is displayed and enabled. Without this permission, the button is not displayed.
Mass Assign User Store	Security	On the PC, with this permission, the Mass Assign Stores button on the Security menu is displayed and enabled. Without this permission, the button is not displayed.
Access Sequencing	Sequencing	On the HH, with this permission the Sequencing menu option on the Inv. Management menu is displayed. Without this permission the menu option is not displayed. On the PC, with this permission, the Sequencing button on the Inventory Management menu is displayed and enabled. Without this permission, the button is not displayed.
Add Item to Location	Sequencing	On the PC, with this permission, an item can be added to the transaction. Without this permission, an item cannot be added from the Micro Sequence Edit screen or Advanced Item Entry screen.
Add Locations For An Item	Sequencing	On the PC, with this permission, the Add Location button on the Item Locations List screen is displayed and enabled. Without this permission, the button is not displayed.

Permission	Topic	Usage
Add Sequencing Locations	Sequencing	On the PC, with this permission, the Add Location button on the Macro Sequence Edit screen is displayed and enabled. Without this permission, the button is not displayed.
Apply Class List To Location	Sequencing	On the PC, with this permission, the Apply Class List button on the Macro Sequence Edit screen is displayed and enabled. Without this permission, the button is not displayed.
Apply Item List to Location	Sequencing	On the PC, with this permission, the Apply Item List button on the Micro Sequence Edit screen is displayed and enabled. Without this permission, the button is not displayed.
Arrange Items Within Location	Sequencing	On the PC, with this permission, the Move Up and Move Down buttons on the Micro Sequence Edit screen are displayed and enabled. Without this permission, the buttons are not displayed.
Arrange Sequencing Locations	Sequencing	On the PC, with this permission, the Move Up and Move Down buttons on the Macro Sequence Edit screen are displayed and enabled. Without this permission, the buttons are not displayed.
Delete Items from a Location	Sequencing	On the PC, with this permission, the Remove Item button on the Micro Sequence Edit screen is displayed and enabled. Without this permission, this button is not displayed.
Delete Locations For An Item	Sequencing	On the PC, with this permission, the Remove Item button on the Item Location List screen is displayed and enabled. Without this permission, the button is not displayed.
Delete Sequencing Locations	Sequencing	On the PC, with this permission, the Remove Item button on the Macro Sequence Edit screen is displayed and enabled. Without this permission, the button is not displayed.
Edit Items Within A Location	Sequencing	On the PC, with this permission, when the user double-clicks on an existing Sequencing Location in the Macro Sequence List screen, the Micro Sequence List screen will open in edit mode. Without this permission, the Micro Sequence List screen will open in view-only mode. On the PC, with this permission, when the user double-clicks on an existing Item in the Micro Sequence List screen, the Item Location List screen will open in edit mode. Without this permission, the Micro Sequence List screen will open in view-only mode. On the PC, with this permission, the Edit Items button on the Micro Sequence List screen is displayed and enabled. Without this permission, the button is not displayed.

Permission	Topic	Usage
Edit Sequencing Locations	Sequencing	On the PC, with this permission, the Edit Locations button on the Macro Sequence List screen is displayed and enabled. Without this permission, the button is not displayed.
Sequence Items	Sequencing	On the HH, with this permission, the Sequence Item menu option on the Sequencing menu is displayed. Without this permission, the menu option is not displayed.
Sequence Items Within A Location	Sequencing	On the HH, with this permission, the Sequence all items in a location menu option on the Sequencing menu is displayed. Without this permission, the menu option is not displayed.
Access Shelf Adjustment	Shelf Replenishment	On the HH, with this permission, the Shelf Adjustment menu option on the Shelf Replenishment menu is displayed. Without this permission, the menu option is not displayed.
Create Shelf Adjustment	Shelf Replenishment	On the HH, with this permission, the Create menu option on the Shopfloor Adjust, Backroom Adjust, Display List and Ad Hoc Replenish menu is displayed. Without this permission, the menu option is not displayed.
Access Shelf Replenishment	Shelf Replenishment	On the HH, with this permission, the Shelf Replenishment menu option on the Inv. Management menu is displayed. Without this permission, the menu option is not displayed. On the PC, with this permission, the Shelf Replenishment button on the Inventory Management menu is displayed and enabled. Without this permission, the button is not displayed.
Action Shelf Replenishment	Shelf Replenishment	On the HH, with this permission the Action Shelf Replenish menu option on the Shelf Replenishment menu is displayed. Without this permission the menu option is not displayed.
Create Shelf Replenishment	Shelf Replenishment	On the HH, with this permission, the Within Day and the End Of Day menu options on the Shelf Replenishment menu is displayed. Without this permission, the menu options is not displayed. On the PC, with this permission, the Create button on the Shelf Replenishment List screen is displayed and enabled. Without this permission, the button is not displayed.

Permission	Topic	Usage
Delete Shelf Replenishment	Shelf Replenishment	On the PC, with this permission, the Delete button on the Shelf Replenishment screen is displayed and enabled. Without this permission, the button is not displayed.
Replenishment Item Substitution	Shelf Replenishment	On the HH, with this permission, the Item Substitution option on the Pick Detail screen is enabled. Without this permission, the option is not displayed. Note: This permission only applies when the user has selected to allow item substitution when prompted. On the PC, with this permission, the Allow Substitute Item check box on the Shelf Replenishment Create screen is displayed and enabled. Without this permission, the check box is not enabled.
Access Adhoc Stock Counts	Stock Counts	On the HH, with this permission, the Ad Hoc Stock Count menu option on the Stock Counting menu is displayed. Without this permission, the menu option is not displayed.
Access Stock Count	Stock Counts	On the HH, with this permission the Stock Counts menu option on the Inv. Management menu is displayed. Without this permission, the menu option is not displayed. On MAF, with this permission, the Stock Count menu option will appear in the drawer. Without this permission, the menu option will not be displayed. On the PC, with this permission, the Stock Counts button on the Inventory Management menu is displayed and enabled. Without this permission, the button is not displayed.

Permission	Topic	Usage
Access Stock Count Attribute	Stock Counts	<p>On the HH, with this permission, the Add Ext Attribute menu option on the Stock Counting menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Attribute screen on the Item Details screen is displayed. Without this permission, the screen is not displayed.</p> <p>On the PC, with this permission, the Ext. Attributes button on the Stock Count Detail and Stock Re-count Detail screen are displayed and enabled. Without this permission, the button is not displayed.</p>
Amend Stock Count	Stock Counts	<p>On the HH, with this permission, the <amend> option (or Shift-5 function) on the Stock Counting screen is displayed and enabled. Without this permission, the option is not displayed and the Shift-5 function is not available.</p>
Amend Stock Recount	Stock Counts	<p>On the HH, with this permission, the <amend> option (or Shift-5 function) for stock re-counts is displayed and enabled. Without this permission, the option is not displayed and the Shift-5 function is not available.</p>
Authorize Stock Count	Stock Counts	<p>On the PC, with this permission, the Authorize button on the Child Stock Count List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Complete Stock Count	Stock Counts	<p>On the HH, with this permission, the Complete Count menu option on the Stock Counting menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Complete menu option in the footer menu of the Stock Count Items and Stock Re-count Items screen is available. Without this permission, the menu option is not available.</p> <p>On the PC, with this permission, the Complete button on the Child Stock Count List, the Stock Count Detail and the Stock Re-Count Detail Screens is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Confirm Authorization Stock Count	Stock Counts	On the PC, with this permission, the Confirm Authorization button on the Child Stock Count List screen is displayed and enabled. Without this permission, the button is not displayed.
Confirm Child Stock Count	Stock Counts	On the PC, with this permission, the Confirm Child button on the Stock Count Authorization screen is displayed and enabled. Without this permission, the button is not displayed.
Count Stock Count	Stock Counts	On the HH, with this permission, the Stock Count menu option on the Stock Counting menu is displayed. Without this permission, the menu option is not displayed.
Create Adhoc Stock Count	Stock Counts	On the HH, with this permission, the Create New Count menu option on the Ad-Hoc Stock Count menu is displayed. Without this permission, the menu option is not displayed. On MAF, with this permission, the Create Ad hoc button on the Stock Count List screen is displayed and enabled. Without this permission, the button is not displayed.
Delete Stock Count	Stock Counts	On MAF, with this permission, the Delete menu option in the footer menu of the Child Count List screen is available. Without this permission, the menu option is not displayed. On the PC, with this permission, the Delete button on the Stock Count List screen is displayed and enabled. Without this permission, the button is not displayed.
Edit Adhoc Stock Count	Stock Counts	On MAF, with this permission, when the user selects an Ad Hoc Stock Count in the Stock Count List screen, the Child Count List screen will open in edit mode. Without this permission, the screen will open in view-only mode. On the PC, with this permission, when the user double-clicks on an existing Ad Hoc Stock Count in the Stock Count List screen, the Child Stock Count List screen will open in edit mode. Without this permission, the Child Stock Count List screen will open in view-only mode.

Permission	Topic	Usage
Edit Stock Count Attribute	Stock Counts	<p>On MAF, with this permission, the Add Attributes button and Remove Attributes (Trash can) on the Attributes screen of the Item Detail screen are displayed and enabled. Without this permission, the button and trash can are not displayed.</p> <p>On the PC, with this permission, the Apply, Add, Remove and Cancel button on the Extended Attribute Entry screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Edit Quantity Stock Count	Stock Counts	<p>On MAF, with this permission, the Qty field and quantity widget on the Item Detail and Review Item screens are enabled. Without this permission, the Qty field and quantity widget is not enabled and only scanning is allowed.</p>
Edit Unit Amount Stock Count	Stock Counts	<p>On MAF, with this permission, when the user selects a Unit and Amount Stock Count in the Stock Count List screen, the Child Count List screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p> <p>On the PC, with this permission, when the user double-clicks on an existing Unit and Amount Stock Count in the Stock Count List screen, the Child Stock Count List screen will open in edit mode. Without this permission, the Child Stock Count List screen will open in view-only mode.</p>
Edit Unit Stock Count	Stock Counts	<p>On MAF, with this permission, when the user selects a Unit Stock Count in the Stock Count List screen, the Child Count List screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p> <p>On the PC, with this permission, when the user double-clicks on an existing Unit Stock Count in the Stock Count List screen, the Child Stock Count List screen will open in edit mode. Without this permission, the Child Stock Count List screen will open in view-only mode.</p>
Recount Stock Count	Stock Counts	<p>On the HH, with this permission, the Stock Re-Count menu option on the Stock Counting menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, when the user selects a stock count in the Stock Count List screen and the stock count is in 'Recount' status, the Recount Items screen will open in edit mode. Without this permission, the screen will not be displayed.</p>

Permission	Topic	Usage
Rejected Item Stock Count	Stock Counts	<p>On the PC, with this permission, the Rejected Items button on the Child Stock Count List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Save Child Stock Count	Stock Counts	<p>On MAF, with this permission, the Save button, Save menu option and Save & Continue menu option on the Stock Count Items and Stock Re-count Items screens are displayed and enabled. Without this permission, the button and menu options are not displayed.</p> <p>On the PC, with this permission, the Save Child button on the Stock Count Authorization screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Snapshot Stock Count	Stock Counts	<p>On MAF, with this permission, the Snapshot button on the Child Count List screens is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On the PC, with this permission, the Take Snapshot button on the Child Stock Count List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Snapshot Stock Count Child	Stock Counts	<p>On MAF, with this permission, the Snapshot button on the Stock Count Items screens is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On the PC, with this permission, the Take Snapshot button on the Stock Count Detail and the Stock Re-Count Detail screens is displayed and enabled. Without this permission, the button is not displayed.</p>
Update Authorization Quantity Stock Count	Stock Counts	<p>On the HH, with this permission, the Update Auth Qty button on the Child Stock Count List and the Stock Count Authorization Screens is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Store Order	Store Orders	<p>On the PC, with this permission, the Store Orders button on the Inventory Management screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Add Item Store Order	Store Orders	<p>On the PC, with this permission, an item can be added to the transaction. Without this permission, an item cannot be added from the Store Order Detail or Advanced Item Entry screen. An item can always be added when creating a Store Order.</p>

Permission	Topic	Usage
Approve Store Order	Store Orders	On the PC, with this permission, the Approve button on the Store Order Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Cancel Item Store Order	Store Orders	On the PC, with this permission, the Remove Item button on the Store Order Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Cancel Store Order	Store Orders	On the PC, with this permission, the Delete button on the Store Orders screen is displayed and enabled. Without this permission, the button is not displayed.
Create Store Order	Store Orders	On the PC, with this permission, the Create button on the Store Orders screen is displayed and enabled. The Add Item button the Store Order Detail screen will also be enabled. Without this permission, the button is not displayed.
Edit Store Order	Store Orders	On the PC, with this permission, when the user double-clicks on an existing Store Order in the Store Orders screen, the Store Detail screen will open in edit mode. Without this permission, the Store Order Detail screen will open in view-only mode
Access Templates	Templates	On the PC, with this permission, the Template button on the Inventory Adjustment List screen is displayed and enabled. Without this permission, the button is not displayed.
Apply Templates	Templates	<p>On the HH, with this permission, the Apply Template menu option on the Inventory Adj. menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the 'FromTemplate' option on the Create Inventory Adjustment popup is displayed. Without this permission, the option is not displayed.</p> <p>On the PC, with this permission, the Apply Template button on the Inventory Adjustment Detail screen is displayed and enabled. The template dropdown and multiplier is also enabled. Without this permission, the button is not displayed.</p>
Delete Templates	Templates	On the PC, with this permission, the Delete button on the Template List screen is displayed and enabled. Without this permission, the button is not displayed.

Permission	Topic	Usage
Accept Transfer Request	Transfers	<p>On the HH, with this permission, the Accept Request menu option on the Pick Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Accept button on the Transfer Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Accept Reject Request	Transfers	<p>On the HH, with this permission, the Accept/Reject Tsf Request menu option on the Transfer menu is displayed. Without this permission, the menu option is not displayed.</p>
Access Transfer	Transfers	<p>On the PC, with this permission, the Transfers button on the Shipping/Receiving screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Transfer Context Field	Transfers	<p>On the HH, with this permission, the Context Field menu option on the Request Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the HH, with this permission, the Enter Context Value is displayed when the Context Type is PROM. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Context Type dropdown on the Transfer Detail screen is displayed and enabled. Without this permission, the dropdown is not enabled.</p> <p>On the PC, with this permission and the Context Type selected is PROM, the Context Value field on the Transfer Detail screen is displayed and enabled. Without this permission, the field is not enabled.</p>
Access Transfer Request	Transfers	<p>On the HH, with this permission the Tsf Request menu option on the Shipping/Receiving menu is displayed. Without this permission the menu option is not displayed.</p>
Add Item To Transfer	Transfers	<p>On the HH, with this permission, an item can be added to the transaction. Without this permission, an item cannot be added.</p> <p>On the PC, with this permission, an item can be added to the transaction. Without this permission, an item cannot be added thru the Transfer Detail screen or Advanced Item Entry screen. An item can always be added when creating a transfer.</p>

Permission	Topic	Usage
Approve Transfer	Transfers	On the PC, with this permission, the Approve button on the Transfer Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Close Transfer	Transfers	On the PC, with this permission, the Close Transfer button on the Transfer Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Create Request	Transfers	On the HH, with this permission the Create Tsf Request menu option on the Transfer menu is displayed. Without this permission the menu option is not displayed. On the PC, with this permission, the Create Request button on the Transfer List screen is displayed and enabled. The Add Item button on the Transfer Detail screen will also be enabled. Without this permission, the buttons are not displayed.
Create Transfer	Transfers	On the PC, with this permission, the Create Transfer button on the Transfer List screen is displayed and enabled. The Add Item button on the Transfer Detail screen will also be enabled. Without this permission, the buttons are not displayed.
Remove Item	Transfers	On the HH, with this permission, when the user enters a zero on the Request Review screen a confirmation message is displayed. Without this permission, an error message is displayed. On the PC, with this permission, the Remove Item button on the Transfer Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Delete Request	Transfers	On the HH, with this permission, the Delete Request menu option on the Request Summary screen is displayed. Without this permission, the menu option is not displayed.
Delete Transfer	Transfers	On the PC, with this permission, the Delete button on the Transfer Detail screen is displayed and enabled. Without this permission, the button is not displayed.
Edit Transfer	Transfers	On the PC, with this permission, when the user double-clicks on an existing Transfer in the Transfer List screen, the Transfer Detail screen will open in edit mode. Without this permission, the screen will open in view-only mode.

Permission	Topic	Usage
Edit Transfer Request	Transfers	<p>On the HH, with this permission, the Edit Tsf Request menu option on the Transfer menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, when the user double-clicks on an existing Transfer Request in the Transfer List screen, the Transfer Detail screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>
Reject Transfer Request	Transfers	<p>On the HH, with this permission, the Reject Request menu option the Pick Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Reject button on the Transfer Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Request Transfer	Transfers	<p>On the HH, with this permission, the Request Now menu option on the Request Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Request button on the Transfer Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Review Item	Transfers	<p>On the HH, with this permission, the Review Item menu option on the Request Summary screen is displayed. Without this permission, the menu option is not displayed.</p>
View Details	Transfers	<p>On the HH, with this permission, the View Details menu option on the Request Summary screen is displayed. Without this permission the menu option is not displayed.</p> <p>Without this permission, the menu option is not displayed.</p>
Access Container Attribute	Transfer Shipment	<p>On the HH, with this permission, the Add Ext Attribute menu option on the Container Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Attributes screen on the Tsf Ship Item Detail screen is displayed. Without this permission, the Attributes screen is not displayed.</p> <p>On the PC, with this permission, the Ext. Attributes button on the Transfer Shipment Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Access Shipment	Transfer Shipment	<p>On the HH, with this permission, the Transfer Shipment menu option on the Shipping/Receiving menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Transfer Shipment menu option will appear in the drawer. Without this permission, the Transfer Shipment option will not be displayed.</p> <p>On the PC, with this permission, the Transfer Shipment button on the Shipping/Receiving is displayed and enabled. Without this permission, the button is not displayed.</p>
Add Items with No Document	Transfer Shipment	<p>On the HH, with this permission, the No Document menu option on the Document Selection menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the No Document button on the Select Document screen is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On the PC, with this permission, the No Document button on the Document Selection screen is displayed and enabled. Without this permission, the button is not enabled.</p>
Add Item to Transfer Shipment	Transfer Shipment	<p>On the HH, with this permission, an item can be added to the transaction. Without this permission, an item cannot be added to the transaction.</p> <p>On MAF, the permission must exist in order to Add Items on the Container Items and Item Detail screens. Without this permission, items cannot be added.</p> <p>On the PC, with this permission, an item can be added to the transaction. Without this permission, an item cannot be added from the Transfer Shipment Container Detail screen or Advanced Item Entry screen.</p>

Permission	Topic	Usage
Adjust Container	Transfer Shipment	<p>On the HH, with this permission, the Adjust menu option on the Container Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Adjust menu option in the footer menu on the Container Items screen is available. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Adjust button on the Transfer Shipment Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Cancel Submit Shipment	Transfer Shipment	<p>On the HH, with this permission, the Cancel Submit menu option on the Shipment Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Cancel Submit menu option in the footer menu of the Tsf Ship Containers screen is available. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Cancel Submit button on the Transfer Shipment Detail screen are displayed and enabled. Without this permission, the buttons are not displayed.</p>
Confirm Container	Transfer Shipment	<p>On the HH, with this permission, the Confirm Container menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Confirm menu option in the footer menu of the Container Items screen is available. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Confirm button on the Transfer Shipment Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Create Shipment	Transfer Shipment	<p>On the HH, with this permission, the Create Shipment menu option on the Shipment Menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Create button on the Tsf Ship List screen is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On the PC, with this permission, the Create button on the Transfer Shipment List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Delete Shipment	Transfer Shipment	<p>On the HH, with this permission, the Delete Shipment menu option on the Shipment Summary menu, the Delete Container on the Container Summary menu on the Container Detail menu is displayed. Without this permission the menu options are not displayed.</p> <p>On MAF, with this permission, the Delete menu option in the footer menu of the Tsf Ship Containers screen is available. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Delete button on the Transfer Shipment Detail and the Delete button on the Transfer Shipment Container Detail screen are displayed and enabled. Without this permission, the buttons are not displayed.</p>
Dispatch Shipment	Transfer Shipment	<p>On the HH, with this permission, the Dispatch menu option on the Shipment Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Dispatch menu option in the footer menu of the Tsf Ship Containers screen is available. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Dispatch button on the Transfer Shipment Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Edit Container	Transfer Shipment	<p>On the HH, with this permission, the user can edit a container within a transfer shipment. Without this permission, the container is view-only.</p> <p>On MAF, with this permission, the user can edit a container within a transfer shipment. Without this permission, the container is view-only.</p> <p>On the PC, with this permission, the user can edit a container within a transfer shipment. Without this permission, the container is view-only.</p>
Edit Container Attribute	Transfer Shipment	<p>On MAF, with this permission, extended attributes can be added/removed: The Add Attributes and Remove Attributes (Trash can) buttons will be available on the Attributes screen of the Transfer Shipment Item Detail. Without this permission, attributes cannot be added or removed.</p> <p>On the PC, with this permission, the Apply, Add Attributes, Remove Attributes and Cancel buttons on the Extended Attributes Entry screen are displayed and enabled. Without this permission, the Close button is displayed and enabled.</p>
Edit Container Info	Transfer Shipment	<p>On the HH, with this permission, the Additional Details menu option on the Container Summary screen is displayed. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the Edit Container menu option in the footer menu on the Container Items screen is available. Without this permission, the option is not displayed.</p> <p>On the PC, with this permission, when the user clicks the Info button on the Transfer Shipment Container Detail screen, the Container Info screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>
Edit Quantity Transfer Shipment	Transfer Shipment	<p>On MAF, with this permission, the Shipped Qty field and quantity widget on the Item Detail screen is enabled. Without this permission, the Shipped Qty field and quantity widget is not enabled and only scanning is allowed.</p>

Permission	Topic	Usage
Edit Shipment	Transfer Shipment	<p>On the HH, with this permission, the user is able to edit an existing transfer shipment. Without this permission the shipment is view only.</p> <p>On MAF, with this permission, the user is able to edit an existing transfer shipment. Without this permission, the transfer shipment is view-only.</p> <p>On the PC, with this permission, with this permission, the user is able to edit an existing transfer shipment. Without this permission, the transfer shipment is view-only.</p>
Edit Shipment BOL	Transfer Shipment	<p>On MAF, with this permission, the user is able to edit shipment carrier details on the Edit Shipment screen. Without this permission, the carrier details are view only.</p> <p>On the PC, with this permission, the Save button on the BOL Detail screen is displayed and enabled. Additionally, the screen opens in edit mode. Without this permission, the screen is view only.</p>
Edit Shipment Info	Transfer Shipment	<p>On the HH, with this permission, the Additional Details menu option on the Shipment Summary screen is displayed. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the user is able to edit shipment authorization details on the Edit Shipment screen for a shipment to a warehouse or finisher. Without this permission, the details are view only.</p> <p>On the PC, with this permission, when the user clicks the Info button on the Transfer Shipment Detail screen, the Shipment Info screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>
Remove Item	Transfer Shipment	<p>On the HH, with this permission, the Remove Item menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, the permission must exist in order to Remove Items on the Container Items and Item Detail screens. Without this permission, items cannot be removed.</p> <p>On the PC, with this permission, the Remove Item button on the Transfer Shipment Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Review Item	Transfer Shipment	On the HH, with this permission, the Review Item menu option on the Container Summary screen is displayed. Without this permission, the menu option is not displayed.
Select Container Document	Transfer Shipment	<p>On the HH, with this permission, the user can toggle to access the Select Document screen from the Scan Item screen. Without this permission, the toggle option is not displayed.</p> <p>On MAF, with this permission, when the user taps the Document on the Info Bar of the Container Items screen, the user will navigate to the Select Document screen. Without this permission, the user will remain on the Container Items screen.</p> <p>On the PC, with this permission, when the user clicks the Document button on the Transfer Shipment Container Detail screen, the Document Selection screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Submit Shipment	Transfer Shipment	<p>On the HH, with this permission, the Submit menu option on the Shipment Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Submit menu option in the footer menu on the Tsf Ship Containers screen is available. Without this permission, the option is not displayed.</p> <p>On the PC, with this permission, the Submit button on the Transfer Shipment Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Quick Receiving	Transfer Receiving	<p>On the HH, with this permission the Quick Receiving menu option on the Shipping/Receiving menu is displayed. Without this permission the menu option is not displayed.</p> <p>On MAF, with this permission, the Quick Receiving menu option will appear in the drawer. Without this permission, the Quick Receiving option will not display.</p>

Permission	Topic	Usage
Access Transfer Receiving	Transfer Receiving	<p>On the HH, with this permission, the Transfer Receiving menu option on the Shipping/Receiving screen is displayed.</p> <p>Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Transfer Receiving menu option will appear in the drawer. Without this permission, the Transfer Receiving option will not display.</p> <p>On the PC, with this permission, the Transfer Receiving button on the Shipping/Receiving is displayed and enabled. Without this permission, the button is not displayed.</p>
Access Transfer Receiving Attribute	Transfer Receiving	<p>On the HH, with this permission and the system parameter Enable Extended Attributes is set to Yes, the Add Ext Attrib menu option on the Container Summary screen is displayed. Without this permission, the menu option does not display.</p> <p>On MAF, with this permission, the Attributes screen on the Tsf Rcv Item Detail screen is displayed. Without this permission, the Attributes screen is not displayed.</p> <p>On the PC, with this permission and the system parameter Enable Extended Attributes is set to Yes, the Ext Attributes button is displayed and enabled. Without this permission, the button is not displayed.</p>
Add Item to Transfer Receipt	Transfer Receiving	<p>On the HH, with this permission, the user is allowed to add an unexpected item to a receipt. The system will prompt the user to confirm. Without this permission, the user is not allowed to add the item. The system will prompt the user, the item is unexpected and cannot be received.</p> <p>On MAF, this permission must exist in order to Add Items on the Container Items and Item Detail screens. Without this permission, the user cannot add items.</p> <p>On the PC, with this permission, an item can be added to the transaction. Without this permission, an item cannot be added to the Transfer Receiving Container Detail screen or Advanced Item Entry screen.</p>

Permission	Topic	Usage
Adjust Container	Transfer Receiving	<p>On the HH, with this permission and the container status is 'Received', the Adjust menu option on the Container Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, this permission, the Adjust menu option in the footer menu on the Container Items screen is available. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission and the container status is 'Received', the Adjust button on the Transfer Receiving Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Confirm Container	Transfer Receiving	<p>On the HH, with this permission, the Confirm menu option on the Container Summary screen is displayed. Without this permission the menu option is not displayed.</p> <p>On MAF, with this permission, the Confirm menu option in the footer menu on the Container Items screen is available. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Confirm button on the Transfer Receiving Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Confirm Receipt	Transfer Receiving	<p>On the HH, with this permission, the Confirm Receipt menu option on the Receipt Summary screen is displayed. Without this permission the menu option is not displayed.</p> <p>On MAF, with this permission, the Confirm menu option in the footer menu on the Tsf Rcv Containers screen is available. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Confirm button on the Transfer Receiving Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Create Container	Transfer Receiving	<p>On the HH, with this permission, the Add Container menu option on the Receipt Summary Menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Create menu option in the footer menu on the Tsf Rcv Containers screen is available. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, the Create Container button on the Transfer Receiving Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Default Qty in All Containers	Transfer Receiving	<p>On the HH, with this permission, the Default Qty menu option on the Receipt Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Default Qty button and Default Qty menu option on the Tsf Rcv Containers screen is displayed and enabled. Without this permission, the button and menu option are not displayed.</p> <p>On the PC, with this permission, the Default Qty button on the Transfer Receiving Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Default Quantity in Container	Transfer Receiving	<p>On the HH, with this permission, the Default Qty menu option on the Container Summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Default Qty and Clear Qty menu option on the Container Items screen is available. Without this permission, the menu options do not display.</p> <p>On the PC, with this permission, the Default Qty button on the Transfer Receiving Container Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Delete Container	Transfer Receiving	<p>On the HH, with this permission, the Delete Container menu option on the Container Summary is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Delete menu option on the Container items screen is available. Without this permission, the menu option will not display.</p> <p>On the PC, with this permission, the Delete Container button on the Transfer Receiving Container Detail screen is displayed and enabled. Without this permission, the menu option is not displayed.</p>
Display Expected Qty	Transfer Receiving	<p>On the HH, with this permission, the expected quantity will display on the Item Receive screen. Without this permission, the expected quantity will not be displayed.</p> <p>On MAF, with this permission, the Expected Qty field and label will display on the Container Items screen and Item Detail screen. Without this permission, the field and label will not display.</p> <p>On the PC, with this permission, the expected quantity will display on the Transfer Receiving Container Detail screen. Without this permission, the expected quantity will not be displayed.</p>
Edit Container	Transfer Receiving	<p>On the HH, with this permission, the user is able to edit an existing container for a transfer receipt. Without this permission, the container is view only.</p> <p>On MAF, with this permission, the user is able to edit an existing container for a transfer receipt. Without this permission, the container is view-only.</p> <p>On the PC, with this permission, the user is able to edit an existing container for a transfer receipt. Without this permission, the container is view-only.</p>

Permission	Topic	Usage
Edit Container Info	Transfer Receiving	<p>On the HH, with this permission, the Additional Details menu option on the Container Summary screen is displayed. Without this permission, the menu option will not display.</p> <p>On MAF, with this permission, the Edit Container menu option on the Container Items screen is available. Without this permission, the menu option will not display.</p> <p>On the PC, with this permission, when the user clicks the Info button on the Transfer Receiving Detail screen, the Container Info screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>
Edit Quantity Transfer Receiving	Transfer Receiving	<p>On MAF, with this permission, the Received Qty field, Damaged Qty and Quantity widget field on the Item Detail screen is enabled. Without this permission, the Received Qty, Damaged Qty fields and Quantity widget is not be enabled and only scanning is allowed.</p>
Edit Receipt	Transfer Receiving	<p>On MAF, with this permission, the user is able to edit an existing transfer receipt. Without this permission, the transfer receipt is view-only.</p> <p>On the PC, with this permission, the user is able to edit an existing transfer receipt. Without this permission, the transfer receipt is view-only.</p>
Edit Receiving Info	Transfer Receiving	<p>On the HH, with this permission, the Additional Details menu option on the Receipt Summary screen is displayed. Without this permission, the option is not displayed.</p> <p>On MAF, with this permission, the Edit Receipt menu option in the footer menu on the Tsf Rcv Containers screen is available. Without this permission, the menu option will not display.</p> <p>On the PC, with this permission, when the user clicks the Info button on the Transfer Receiving Detail screen, the Receiving Info screen will open in edit mode. Without this permission, the screen will open in view-only mode.</p>

Permission	Topic	Usage
Edit Transfer Receiving Attribute	Transfer Receiving	<p>On MAF, with this permission, extended attributes can be added/removed: The Add Attributes and Remove Attributes (Trash can) buttons will be available on the Attributes screen of the Transfer Receiving Item Detail. Without this permission, the menu option will not display.</p> <p>On the PC, with this permission the Apply, Add Attributes, Remove Attributes and Cancel buttons on the Extended Attributes Entry screen are displayed and enabled. Without this permission, the Close button is displayed and enabled.</p>
Misdirected Container	Transfer Receiving	<p>On the HH, with this permission, the Misdirected Container menu option on the Receipt summary menu is displayed. Without this permission, the menu option is not displayed.</p> <p>On MAF, with this permission, the Copy button on the Misdirected Items screen is available. Without this permission, the button will not display.</p> <p>On the PC, with this permission, the Misdirected Container button on the Transfer Receiving Detail screen, is displayed and enabled. Without this permission, the button is not displayed.</p>
Receive On Shop Floor	Transfer Receiving	<p>On the HH, with this permission, the Receive on Shop floor prompt on the Confirm screen is displayed. Without this permission, the prompt is not displayed.</p> <p>On MAF, with this permission, the Receive On Shop Floor checkbox on the Edit Container screen is displayed and enabled. Without this permission, the checkbox is view-only.</p> <p>On the PC, with this permission, the Receive on Shop Floor check box on the Transfer Receiving Container Info screen is displayed and enabled. Without this permission, the check box is disabled.</p>

Permission	Topic	Usage
Record Receipt Damages	Transfer Receiving	<p>On the HH, with this permission, the Damage by Item and Damage Remaining menu options on the Receipt Summary screen are displayed.</p> <p>Without this permission, the menu options are not displayed.</p> <p>On MAF, with this permission, the Damaged Qty field on the Item Detail screen and the Damages Receiving and Regular Receiving menu options in the footer menu on the Container Items screen is available.</p> <p>Without this permission, the menu options will not display.</p> <p>On the PC, with this permission, the damaged field on the Transfer Receiving Container Detail screen and the damaged field, the dropdown includes 'damage' and the Damage All button on the UIN popup is displayed and enabled.</p> <p>Without this permission, the fields, selections and buttons are not available.</p>
Remove Item	Transfer Receiving	<p>On the HH, with this permission, the user is allowed to remove an unexpected item to a receipt. The system will prompt the user to confirm.</p> <p>Without this permission, the user is not allowed to remove the item. Note: Items that are not unexpected are never allowed to be removed regardless of the permission.</p> <p>On MAF, this permission must exist in order to Remove Items on the Container Items and Item Detail screens. Without this permission, the user cannot remove items. Note: Items that are not unexpected are never allowed to be removed regardless of the permission.</p> <p>On the PC, with this permission, the Remove Item button on the Transfer Receiving Container Detail screen is displayed and enabled.</p> <p>Without this permission, the button is not displayed. Note: Items that are not unexpected are never allowed to be removed regardless of the permission.</p>
Access UIN Attribute	UIN	<p>On the PC, with this permission, the UIN Attributes button on the Setup screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Access UIN Resolution	UIN	<p>On the PC, with this permission, the UIN Resolution button on the Admin screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Permission	Topic	Usage
Create UIN AGSN Ticket	UIN	<p>On the HH, with this permission, the New AGSN menu option on the Ticketing Options menu is displayed.</p> <p>Without this permission, the menu option is not displayed.</p> <p>Note: The Re-print AGSN Ticket is controlled by the Print Auto Generated SN permission.</p> <p>On the PC, with this permission, the Auto-Generate SN box on the Item Ticket Detail screen is displayed and enabled.</p> <p>Without this permission, the check box is disabled.</p>
Create UIN on the Fly	Inventory Adjustments	<p>On the HH, with this permission, the user is allowed to create a UIN on the fly when creating an inventory adjustment using a reason code of Disposition Movement from Out (Dist) to Available to Sell (ATS) = UIN Status in Stock.</p> <p>Without this permission, the user will not be able to create a new UIN.</p> <p>On MAF, with this permission, the user is allowed to create a UIN on the fly when creating an inventory adjustment using a reason code of Disposition Movement from Out (Dist) to Available to Sell (ATS) = UIN Status in Stock.</p> <p>Without this permission, the user will not be able to create a new UIN.</p> <p>On the PC, with this permission, the user is allowed to create a UIN on the fly when creating an inventory adjustment using a reason code of Disposition Movement from Out (Dist) to Available to Sell (ATS) = UIN Status in Stock.</p> <p>Without this permission, the user will not be able to create a new UIN.</p>

Permission	Topic	Usage
Print UIN Auto Generate Serial Number	UIN	<p>On the HH, with this permission and the Format Type is Auto Generate SN, the Re-print AGSN menu option on the Ticketing Select Options screen is displayed. Without this permission, the menu option is not displayed.</p> <p>Note: The New AGSN print option is controlled by the Create UIN AGSN Ticket permission.</p> <p>On the PC, with this permission and the UIN type is AGSN, the Print Ticket button on the UIN Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On the PC, with this permission and the Format type is Auto Generate SN, the Auto Generate check box on the Item Ticket Detail screen is enabled. Without this permission, the checkbox is disabled.</p> <p>Note: This permission controls whether the user can generate additional serial numbers/tickets</p>
Resolve UIN Exceptions	UIN	<p>On the PC, with this permission, the Resolve button on the UIN Resolution List screen is displayed and enabled. Without this permission, the button is not displayed.</p>
Update UIN Status	UIN	<p>On the PC, with this permission, the Update Status dropdown on the UIN History screen is displayed and enabled. Without this permission, the dropdown is not enabled.</p>
View UIN Detail	UIN	<p>On the HH, with this permission, the Serial Number menu option on the Item Lookup screen is displayed. Without this permission, the menu option is not displayed.</p> <p>On the PC, with this permission, if the item is a UIN item the UIN Detail button on the Item Lookup screen is displayed and enabled. Without this permission, the button is not displayed.</p> <p>Note: There will not be a UIN Detail tab on the Item Lookup popup, which is available from within a transaction.</p>
View UIN History	UIN	<p>On the PC, with this permission, the View History button on the UIN Resolution List screen is displayed and enabled. Without this permission, the button is not displayed.</p> <p>On the PC, with this permission, the View History button on the UIN Detail screen is displayed and enabled. Without this permission, the button is not displayed.</p>

Appendix: Connecting to the SIM Domain Runtime MBean Server

Oracle® Fusion Middleware Developing Custom Management Utilities Using JMX for Oracle WebLogic Server describes how to access WebLogic Server MBeans from a JMX client.

(<http://docs.oracle.com/middleware/1221/wls/JMXCU/accesswls.htm#JMXCU144>)

Following is the sample screenshots to change SIM WebLogic Server MBeans:

To access SIM WebLogic Server MBeans, launch JConsole,

Set Up the Classpath for Remote Clients

If your JMX client runs in its own JVM (that is, a JVM that is not a WebLogic Server instance), include the following JAR file in the client's classpath:

For example, for client running on windows:

```
set WLS_JMX_CLASSPATH=%WL_HOME%\server\lib\wljmxclient.jar
;%JAVA_HOME% \lib\jconsole.jar
```

In the preceding path, `WL_HOME` represents the directory in which you installed WebLogic Server, where `JAVA_HOME` is the directory in which the Java Development Kit (JDK)

Note: When WebLogic binary is not installed on the client machine, `wlfullclient.jar` can be downloaded to client's machine:

```
set WLS_JMX_CLASSPATH=%<lib_path>%/wlfullclient.jar;%JAVA_HOME%
\lib\jconsole.jar
```

Starting JConsole

The `jconsole` executable can be found in `JAVA_HOME/bin`, where `JAVA_HOME` is the directory in which the Java Development Kit (JDK) is installed. If this directory is in your system path, you can start JConsole by simply typing `jconsole` in a command (shell) prompt. Otherwise, you have to type the full path to the executable file.

For example, for client running on windows:

```
Jconsole -J-Djava.class.path=%WLS_JMX_CLASSPATH% -J-
Djmx.remote.protocol.provider.pkgs=weblogic.management.remote
```

Where

The `jconsole` executable can be found in `JAVA_HOME/bin`, where `JAVA_HOME` is the directory in which the Java Development Kit (JDK) is installed.

SIM Configuration Users Security Info

The user connects to MBean require the SIM JavaEE administrator role, which is associated by default with the security group `sim_admin_users`.

Note that this is not a WebLogic role or SIM user role.

They also require SIM permissions (`system_admin_access`, etc) and store access (for store configuration).

The installer sets up an optional administrator user, which should be the main user for accessing this configuration.

- Enter Connection info

Enter the Runtime MBean Server address as “Remote Process”

```
service:jmx:iiop://<MBeanServer
```

```
>:<LisentPort>/jndi/weblogic.management.mbeanservers.runtime
```

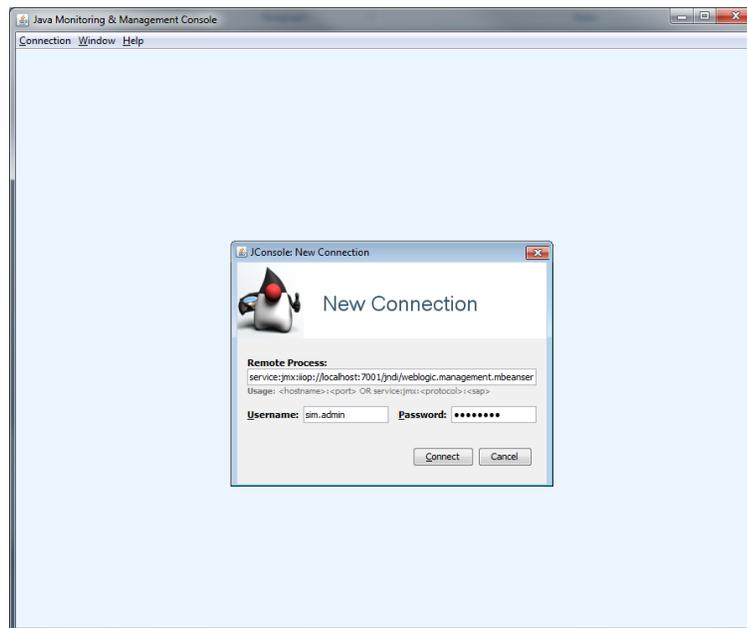
for example:

```
service:jmx:iiop://localhost:7001/jndi/weblogic.management.mbeanservers.runtime
```

Enter username and password, and press “Connect” button.

For example, login as the sim application administrator user as below:

Figure 13: Login Screen



SIM MBean Operations

SystemConfig

Expand “oracle.retail.sim.config” node, and choose the operations,

MBeans -> oracle.retail.sim.config -> Server: AdminServer -> SystemConfig

- listKeys: List the configuration system keys

Figure 14: listKeys

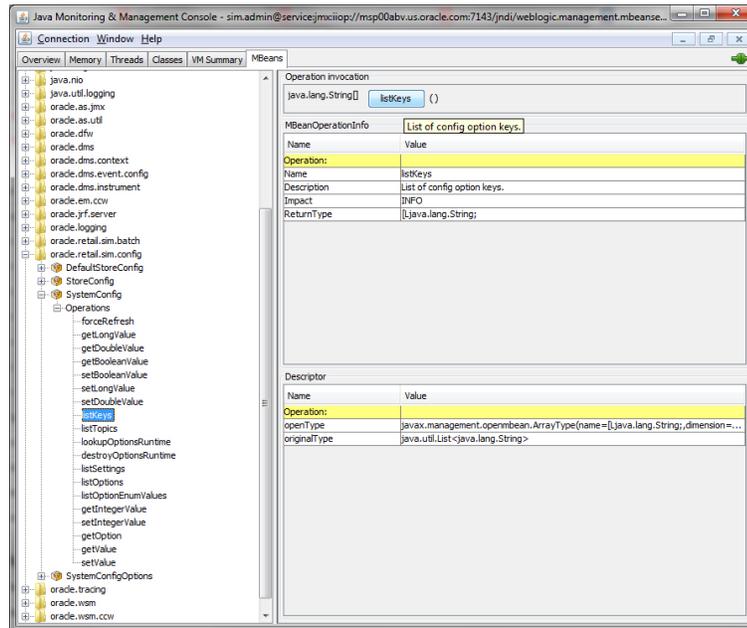
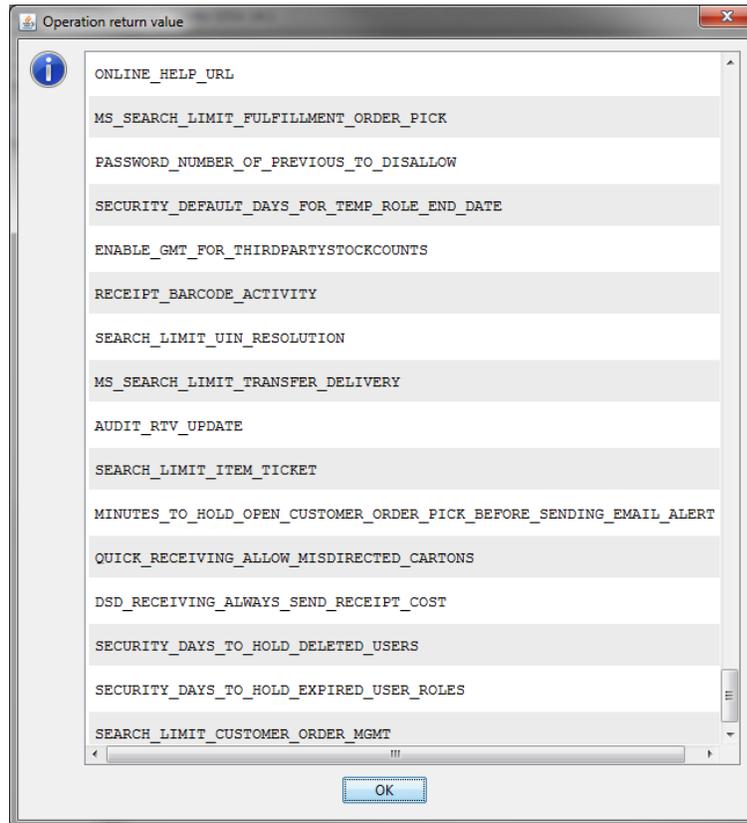


Figure 15: listKeys Return Value



- listTopics: List configure system topics

Figure 16: listTopics

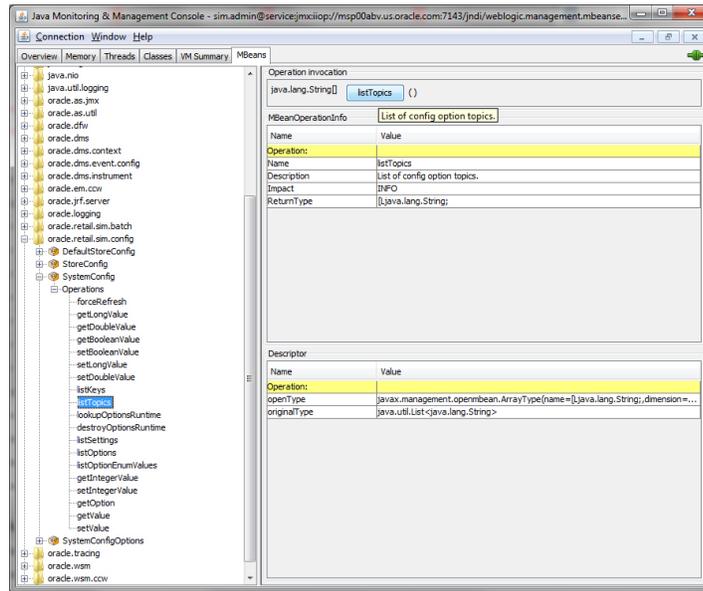
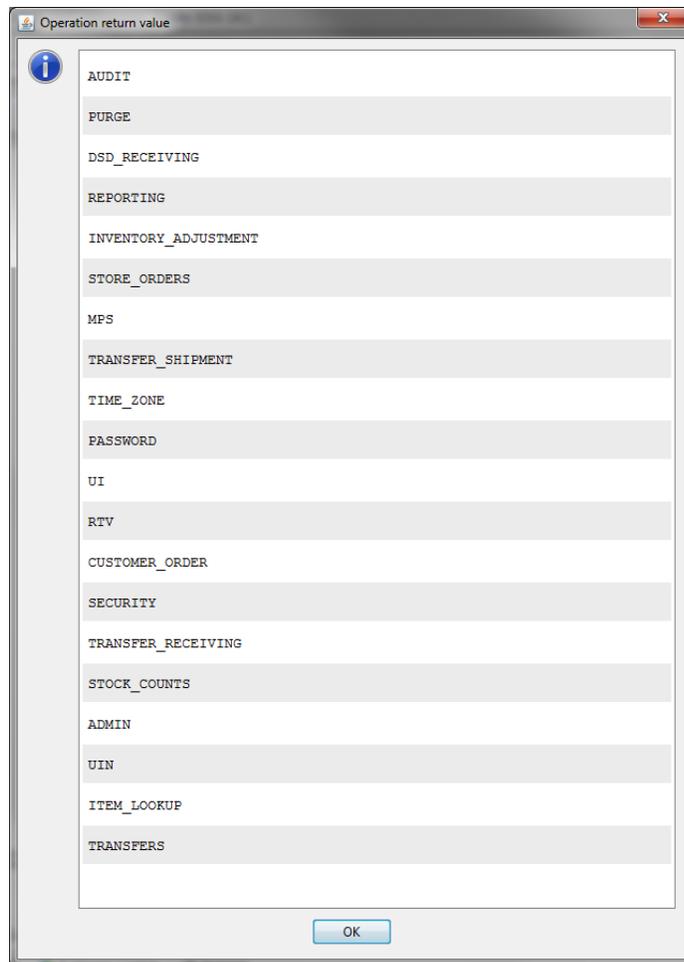


Figure 17: listTopics Return Value



- listOptions: Display configure system record with all field name and values

Figure 18: listOptions

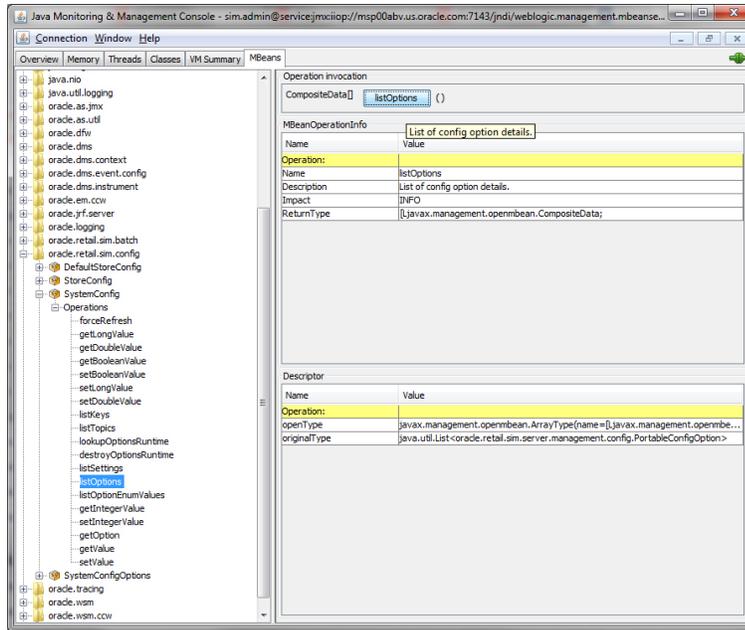
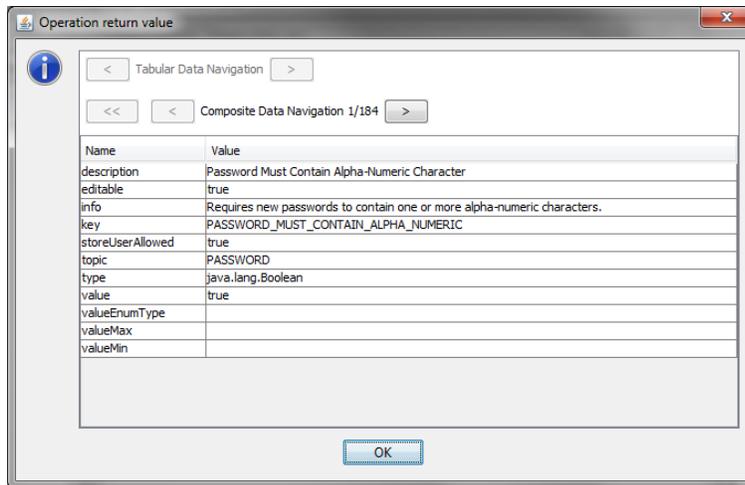


Figure 19: listOptions Return Value



- listSettings: List the key/value pair for the configure system entries

Figure 20: listSettings

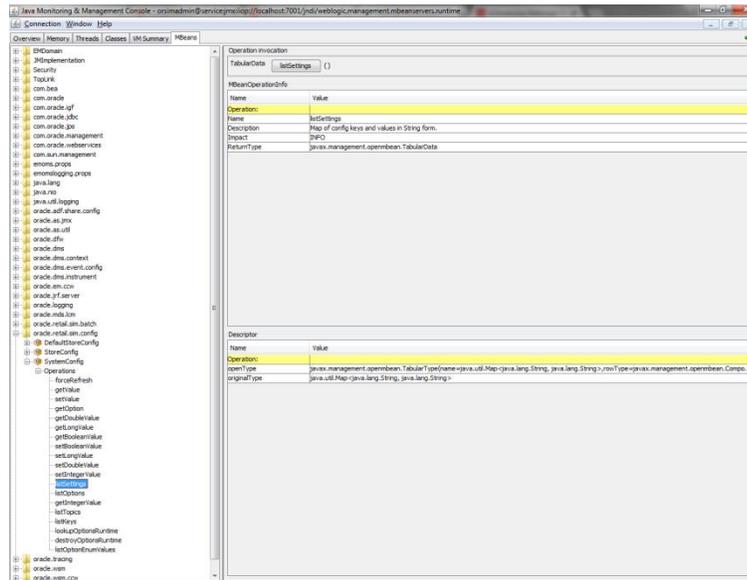
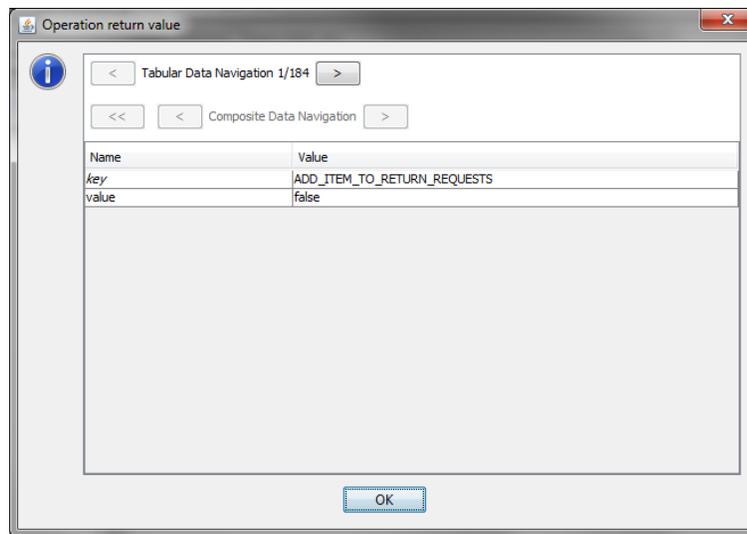
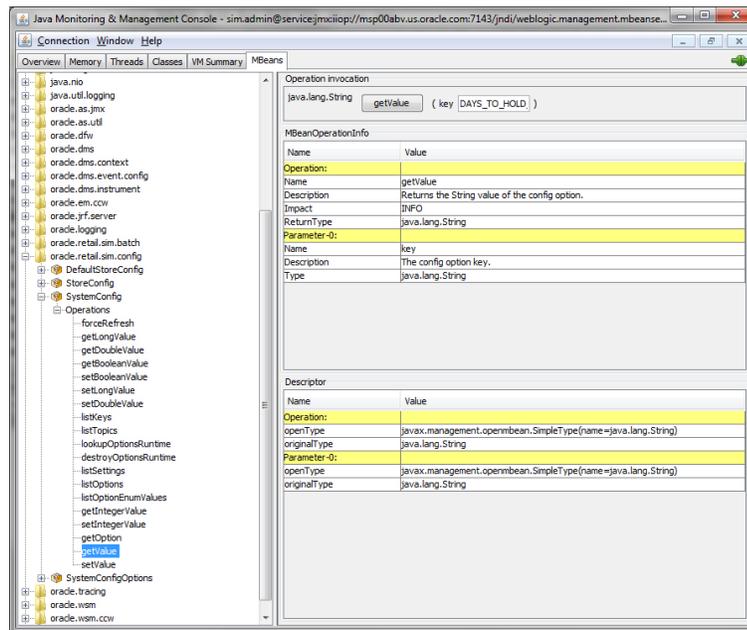


Figure 21: listSettings Return Value



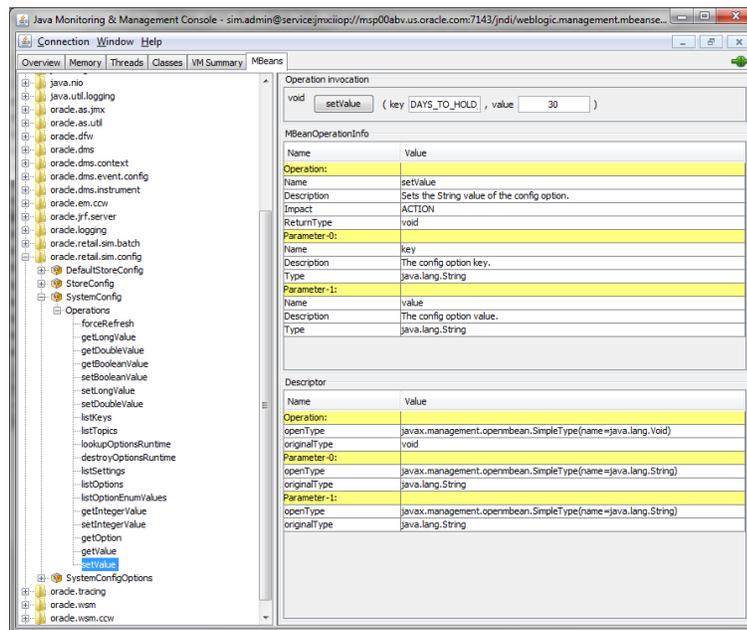
- `getValue`: retrieve value by key name

Figure 22: `getValue`



- `setValue`: Change configuration value by key

Figure 23: `setValue`



- lookupOptionsRuntime

Figure 24: lookupOptionsRuntime

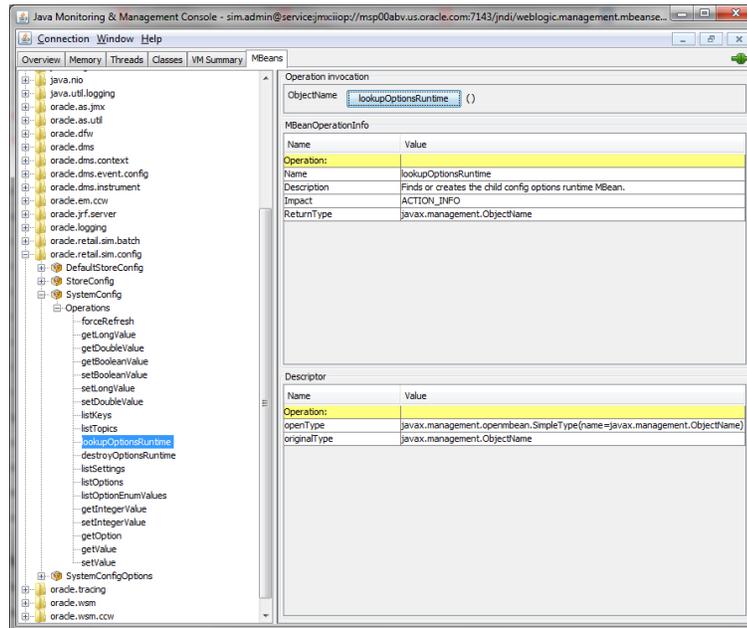
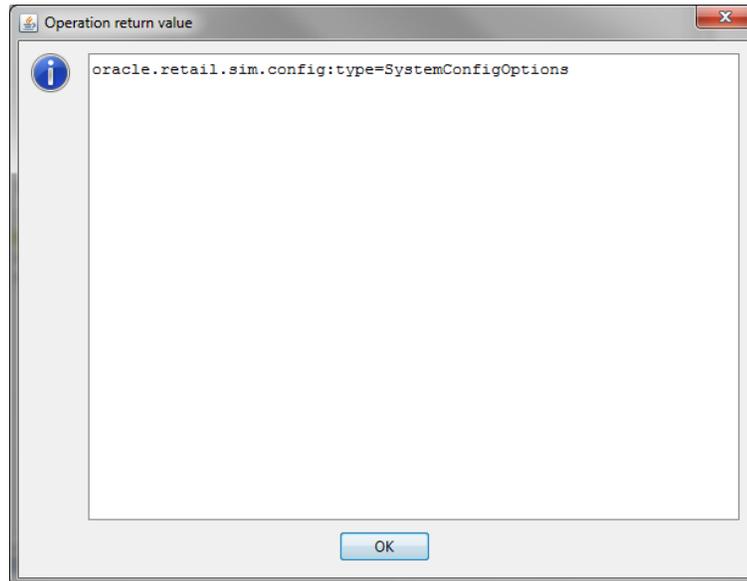


Figure 25: lookupOptionsRuntime Return Value



DefaultStoreConfig

Similar to SystemConfig operations, when a default store configuration value is changed, the change is saved to the default store configuration template table. And the changes will be applied to all stores.

StoreConfig

The StoreConfig operations allow the user to change configuration for a specific store, the store id is required.

- listOptions

Figure 26: Store listOptions

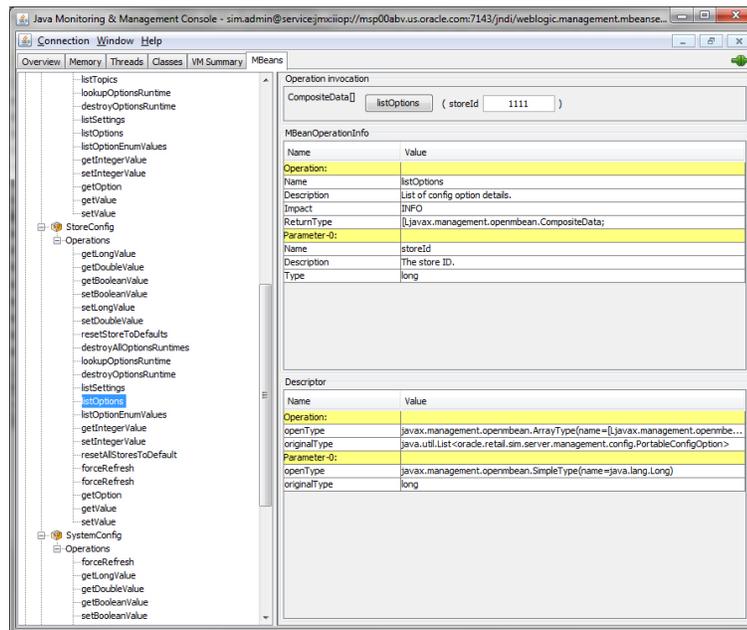
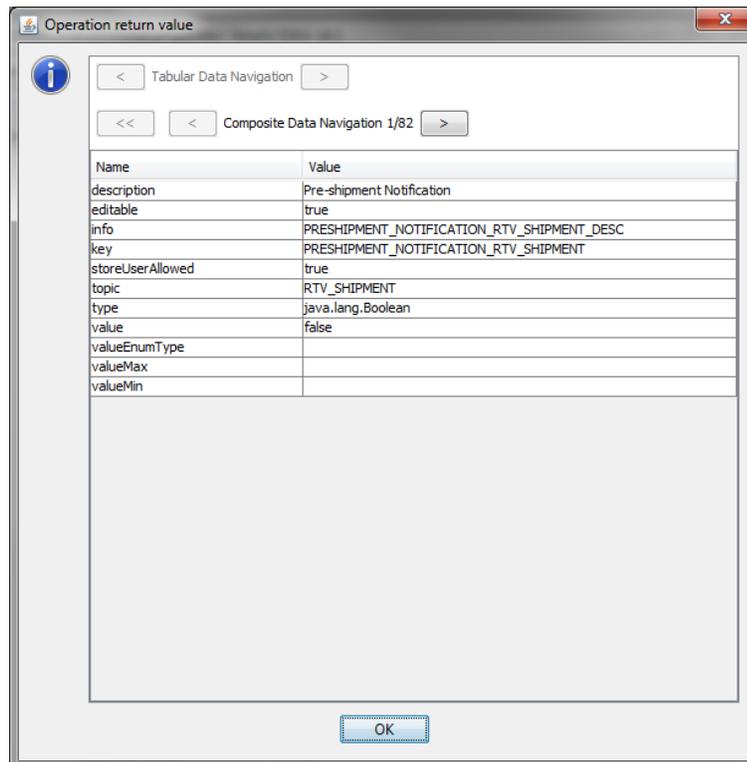


Figure 27: Store listOptions Return Value



- resetAllStoresToDefault

Figure 28: resetAllStoresToDefault

The screenshot displays the Java Monitoring & Management Console interface. The left pane shows a tree view of MBeans, with 'resetAllStoresToDefault' selected under the 'StoreConfig' MBean. The right pane shows the 'Operation Invocation' details for this operation.

Operation Invocation:
void resetAllStoresToDefault (key String)

MBeanOperationInfo:

Name	Value
Operation:	resetAllStoresToDefault
Description:	Resets the config option to default value for all stores.
Impact:	ACTION
ReturnType:	void
Parameter-0:	
Name:	key
Description:	The config option key.
Type:	java.lang.String

Descriptor:

Name	Value
Operation:	
openType:	javax.management.openmbean.SimpleType(name=java.lang.Void)
originalType:	void
Parameter-0:	
openType:	javax.management.openmbean.SimpleType(name=java.lang.String)
originalType:	java.lang.String

Appendix: Report Formats

Report Formats

The following section describes the report formats.

Figure 29: Customer Order Bin Label Report

CUSTOMER ORDER ID: 124
BIN #: 16
16

Figure 30: Customer Order Delivery BOL Report

ORACLE'		Date: Create null	Ship To:			
BOL ID: 401	Delivery ID: 41	Customer Order ID: 20002	Delivery First Name Delivery Last Name Delivery Address 1 Delivery Address 2 Delivery Address 3 Delivery City, WI Delivery Postal Code USA			
Item	Description	Substitute	UOM	Qty	Price	Amount
100026005	Ham's Bear Beer		EA		9.99	139.86
Comments						
Legalese Fine Print						
Delivery Charge					\$8.99	
TOTAL LINES						1
Printed: 2/20/2014				Page Number: 1		

Figure 31: Customer Order Delivery Report

Customer Order Delivery Report						
ORACLE						
Customer Order Id:	30001	Reservation Type:	Web Order	Release Date:	null	
		Comments:	Testing DSD	Delivery Date:	null	
Item	Description	UOM	Order Qty	Delivered Qty	Canceled Qty	Substitute
10010010010018	Nithin 18 Char GS1 Item	G	10000	0	0	
Printed: 2/20/2014						
Page Number: 1						

Figure 32: Customer Order Pick Discrepancy Report

Customer Order Pick Discrepancy Report								
ORACLE								
Store:	-	Pick Create Date:						
Pick ID:		Pick Create User:						
Pick Status:								
Item	Description	SIM Customer Order ID	Bin ID	Fulfillment ID	UOM	Pack Size	Old Pick Qty	Adjusted Pick Qty
Printed: 2/20/2014		Page Number: 1						

Figure 33: Customer Order Pick Report

Customer Order Pick Report									
ORACLE									
Store:	1311 - Chicago*	Pick Create Date:	null						
Pick ID:	62	Pick Create User:	Nithin						
Pick Status:	Completed	Pick Complete Date:	null						
		Pick Complete User:	Nithin						
Item	Description	SIM Customer Order ID	Bin ID	Fulfillment ID	UOM	Pack Size	Suggested Pick Qty	Actual Pick Qty	Substitute
100100100 10016	Nithin 18 Char GS1 Item	42		202	KG	1	2.52,045	2.045	
Printed: 2/20/2014		Page Number: 1							

Figure 34: Customer Order Report

Customer Order Report										
ORACLE										
Store:	1131	Create Date:	null	Delivery Type:	Ship to Customer					
SIM Customer Order Id:	47	Release Date:	null	Carrier:	Other					
Customer Order Id:	5109	Delivery Date:	null	Service:						
Fulfillment Order Id:	5109			Allow Partial Delivery:	Yes					
Status:	In Progress									
Reservation Type:	Web Order									
Comments:	DSCTest									
Item	Description	UOM	Order Qty	Picked Qty	Delivered Qty	Canceled Qty	Last Update Date	Comments	Substitute	
100010425	test ERS	EA	10	0	0	0	2014-01-10T10:32:15.000-05:00	reg		
Printed: 2/20/2014 Page Number: 1										

Figure 35: Customer Order Reverse Pick Report

Customer Order Reverse Pick Report										
ORACLE										
Store:		Order Status:								
Reverse Pick ID:		Reverse Pick Status:								
SIM Customer Order ID:		Reservation Type:		Comments:						
Customer Order ID:		Reverse Pick Create Date:								
Fulfillment Oder ID:										
Item	Description	UOM	Order Qty	Picked Qty	Delivered Qty	Canceled Qty	Sugg. Reverse Qty	Qty	Substitute	
Printed: 2/20/2014 Page Number: 1										

Figure 40: Item Detail Report

Item Report			
ORACLE			
Item	100010388	Item Description	test ERS
Primary UPC		Primary Supplier Name	Hudson Fresh Produce Site 2
VPN		Primary Supplier Number	10002
Item Status	A-Active	Ticket Type	
			Ranged Yes
			Merchandise Hierarchy
			Dept Mobile Phone and Tablets
			Class GSM
			Subclass Dual SIM
			Differentiators:
Stock on Hand Units:		Ordering Attributes:	
Total Stock on Hand	0	Repl Method	
Pack Size	1	Reject Store Order	
Available SOH	0	Next Delivery Date	null
Shop Floor			
Back Room	0		
Unavailable	0		
Transfer Reserved	0		
RTV Reserved	0		
Ordered Quantity	0		
Delivery Bay	0		
In Transit	0		
Received Today	0		
			Pricing:
			Current Retail USD12.22
			Pricing Status
			Promotional Type
Item	100010388	Item Description	test ERS
Primary UPC		Primary Supplier Name	Hudson Fresh Produce Site 2
VPN		Primary Supplier Number	10002
Item Status	A-Active	Ticket Type	
			Ranged Yes
			Merchandise Hierarchy
			Dept Mobile Phone and Tablets
			Class GSM
			Subclass Dual SIM
			Differentiators:
Stock on Hand Units:		Ordering Attributes:	
Total Stock on Hand	0	Repl Method	
Pack Size	1	Reject Store Order	
Available SOH	0	Next Delivery Date	null
Shop Floor			
Back Room	0		
Unavailable	0		
Transfer Reserved	0		
RTV Reserved	0		
Ordered Quantity	0		
Delivery Bay	0		
In Transit	0		
Received Today	0		
			Pricing:
			Current Retail USD12.22
			Pricing Status
			Promotional Type
Allocations:			
Delivery Date	Warehouse	UOM	Quantity
Sequencing:			
Location	Primary	Capacity	UOM
			Label Format
			Label Qty
Printed: 2/20/2014			Page Number: 1

Figure 42: Purchase Order Report

Purchase Order Report						
ORACLE						
Not Before Date:						
Not After Date:						
Supplier: -						
PO Number:						
To Location: -						
Status:						
Item	Description	UOM	Pack Size	Expected	Received	Unit Cost
Totals:				0.00	0.00	
Printed: 10/6/2015		Page Number: 1				

Figure 43: RTV Report

RTV Report									
								ORACLE	
RTV Number: External ID: Authorization Number: Status: User: Not After Date: Approved Date: Supplier: Total SKUs: Return Type:									
Item	Description	UOM	Pack Size	Reason Code	Req Qty	App Qty	Rem Qty	In-Ship Qty	Shipped Qty
Printed: 10/6/2015								Page Number: 1	

Figure 45: Shelf Replenishment Report

Shelf Replenishment Report							
ORACLE							
Store:	-						
ID:							
Shelf Replenishment Type:							
Replenishment mode:							
Product Group:							
Hierarchy:							
Shelf Adjustment List:							
Create Date/Time:							
User:							
Status:							
Quantity:							
SKU	Description	Pick From	Location	UOM	Pack Size	Qty	Actual Qty
Printed: 9/18/2014				Page Number: 1			

Figure 46: All Location Stock Count Report

All Location Stock Count Report				
ORACLE				
Description:	S4			
Date:	1/31/2014			
Total Items:	171			
Stock Count User:				
Re-Count User:				
Authorization User:				
Item	Item Description	Location	UOM	Count
100000139	Test Item 100000139	No Location	EA	
100000260	Test Item 100000260	No Location	EA	
100000323	Test Item 100000323	No Location	EA	
100000622	Test Item 100000622	No Location	EA	
100000649	Test Item 100000649	No Location	EA	
100000657	Test Item 100000657	No Location	EA	
100000673	Test Item 100000673	No Location	EA	
100000690	Test Item 100000690	No Location	EA	
100001246	Test Item 100001246	No Location	EA	
100001254	Test Item 100001254	No Location	EA	
100007040	test	No Location	EA	
100007058	test	No Location	EA	
100007111	test location	No Location	EA	
100008149	SK:TROPICANA_FR UIT_JUICE_200ML: Banana	No Location	EA	
100008157	SK:TROPICANA_FR UIT_JUICE_200ML: Blueberry	No Location	EA	
100008165	SK:TROPICANA_FR UIT_JUICE_200ML: Cherry	No Location	EA	
100008173	SK:TROPICANA_FR UIT_JUICE_200ML: Gooseberry	No Location	EA	
100008181	SK:TROPICANA_FR UIT_JUICE_200ML:P each	No Location	EA	
100008190	SK:TROPICANA_FR UIT_JUICE_200ML: Raspberry	No Location	EA	
100009168	SK:NFE_FRUIT_JUI CE_200ML:Banana	No Location	EA	
100009176	SK:NFE_FRUIT_JUI CE_200ML:Cherry	No Location	EA	
100010142	test	No Location	EA	
100010388	test ERS	No Location	EA	
100010396	test simple pack	No Location	EA	
100010581	SK:F_REL_COSTIN	No Location	EA	

Private and Confidential

Figure 47: StockCountExportReport [XML Format]

```

- <STOCK_COUNT_EXPORT>
  <STOCK_COUNT_ID>1</STOCK_COUNT_ID>
  <COPIES>1</COPIES>
- <LIST_STOCK_COUNT>
  - <STOCK_COUNT>
    <COUNT_ID>1</COUNT_ID>
    <STORE_ID>5000</STORE_ID>
    <DESCRIPTION>qwqw</DESCRIPTION>
  - <LIST_STOCK_COUNT_LINE_ITEM>
    - <STOCK_COUNT_LINE_ITEM>
      <ITEM_ID>100637172</ITEM_ID>
      <ITEM_DESC>BBQ tongs large</ITEM_DESC>
      <ITEM_SNAPSHOT/>
    - <LIST_UINS>
      - <UINS>
        <UIN/>
      </UINS>
    </LIST_UINS>
  </STOCK_COUNT_LINE_ITEM>
- <STOCK_COUNT_LINE_ITEM>
  <ITEM_ID>100681077</ITEM_ID>
  <ITEM_DESC>BBQ Grilling Set</ITEM_DESC>
  <ITEM_SNAPSHOT/>
- <LIST_UINS>
  - <UINS>
    <UIN/>
  </UINS>
</LIST_UINS>
</STOCK_COUNT_LINE_ITEM>
- <STOCK_COUNT_LINE_ITEM>
  <ITEM_ID>100681077</ITEM_ID>
  <ITEM_DESC>BBQ Grilling Set</ITEM_DESC>
  <ITEM_SNAPSHOT/>
- <LIST_UINS>
  - <UINS>
    <UIN/>
  </UINS>
</LIST_UINS>
</STOCK_COUNT_LINE_ITEM>
- <STOCK_COUNT_LINE_ITEM>
  <ITEM_ID>100680091</ITEM_ID>
  <ITEM_DESC>Grill Scrubber</ITEM_DESC>
  <ITEM_SNAPSHOT/>
- <LIST_UINS>
  - <UINS>
    <UIN/>
  </UINS>
</LIST_UINS>
</STOCK_COUNT_LINE_ITEM>
</LIST_STOCK_COUNT_LINE_ITEM>
</STOCK_COUNT>
</LIST_STOCK_COUNT>
</STOCK_COUNT_EXPORT>

```

Figure 48: Stock Count Rejected Items Report

Rejected Items Report							
ORACLE							
Stock Count Description:		Nithin Stk Cnt					
Stock Count Group:		41					
Schedule Date:		1/8/14					
Total Rejected Items:		1					
SIM Item Id	Item Description	Rejected Item ID	Rejected UIN	Count Quantity	Count Location	Status	Comments
		100177107		1		Item Rejected	
Stock Count Description:		TEST Schedule					
Stock Count Group:		141					
Schedule Date:		11/1/13					
Total Rejected Items:		5					
SIM Item Id	Item Description	Rejected Item ID	Rejected UIN	Count Quantity	Count Location	Status	Comments
		100000657		2		Item Not On Count	
		100006021		2		Item Not On Count	
		1000006021		1		Item Rejected	
Private and Confidential							

Figure 49: Stock Count Report

The image shows a report layout for a Stock Count Report. It features the Oracle logo in red at the top right. On the left side, there is a light blue box containing the following text: "Description:", "Date:", "Total Items:", "Stock Count User:", and "Re-Count User:". Below this box is a table header with four columns: "Item", "Description", "Uom", and "Counted Qty". At the bottom center of the page, the text "Private and Confidential" is displayed.

ORACLE®

Description: :
Date:
Total Items:
Stock Count User:
Re-Count User:

Item	Description	Uom	Counted Qty
------	-------------	-----	-------------

Private and Confidential

Figure 52: Transfer Receiving Label

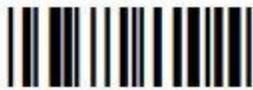
<p>From MIDWEST PWH1 123 ABC Retuns Return City FL 32514 US</p>	<p>To SS Central Franchise Store New South Wales West Side MN MN 500600 US</p>
<p>(420) 500600</p> 	<p>LABEL TYPE</p> <p>TRNSFR</p>
<p>LABEL REASON : REPRINT REFERENCE CONTAINER ID : NUMBER OF ITEMS : 1</p>	<p>DEPT #S</p> <p>1111</p>
<p>STORE</p> <p>(01) 2401</p> 	<p>STORE</p> <p>2401</p>
<p>SSCC -18</p>  <p>EYCA22</p>	

Figure 54: Transfer Report

Transfer Report								
								
Transfer ID: External ID: No of Items: 0 Not After Date: Unavailable: Customer Order Id: Context Type:			Approved Date: Partial Delivery: Fulfillment Order Id: Context Value:					
Source Type: Source: -			Destination Type: Destination: -					
Item	Description	UOM	Requested	Approved	In-Shipping	Shipped	Received	Damaged
Printed: 10/7/2015						Page Number: 1		

Figure 55: Transfer Shipment BOL Report

Transfer Shipment BOL Report			
ASN:		Barcode:	
BOL ID:	Shipment ID:	Motive:	
Create Date:	Create User:		
SENDER -		RECEIVER -	
SHIP FROM		SHIP TO:	
CARRIER		Requested Pick-Up Date:	
◇ SENDER ◇ RECEIVER ◇ THIRD PARTY		Carrier Signature:	
Carrier Name:		Dispatch Date:	
Carrier Address:		Tax ID :	
Service:			
<u>Container ID</u>	<u>Weight()</u>	<u>Package Type</u>	<u>Tracking ID</u>
<small>Legalese fine print</small>			
NOTES			
Driver signature	Date	Receiver signature	Date

Figure 57: Transfer Shipment Report

Transfer Shipment Report	
	ORACLE
Source:	-
Destination:	-
Destination Type:	
Ship Date:	
Shipment ID:	
Authorization Number:	
Status:	
User:	
Printed: 10/7/2015	
Page Number: 1	

Figure 58: Transfer Shipping Label

<p>From</p> <p>SS Central Franchise Store New South Wales West Side MN MN 500600 US</p>	<p>To</p> <p>Arizona Stores West Side MN</p>
<p>(420) SHIP TO POSTAL CODE</p> <p>(420)25142</p> 	<p>LABEL TYPE</p> <p>TRNSFR</p>
<p>CUSTOMER ORDER: NO NUMBER OF ITEMS: 1 CONTEXT TYPE: CONTEXT VALUE:</p>	<p>DEPT #S</p> <p>1111</p>
<p>STORE</p> <p>(01)1515</p> 	<p>STORE</p> <p>1515</p>
<p>SSCC -18</p> <p>000000015150279051</p> 	

Figure 59: RTV Shipment BOL

RTV Shipment BOL Report				
RTV: 301		Barcode: 301		
BOL ID: 7647		Shipment: 261		Motive: RTV
Create Date: 10/14/2016		Create User: simdev		
SENDER 2401 - SS Central Franchise Store New South Wales West Side MN MN 500600 US		RECEIVER 11 - EIT Supplier Site EIT Supplier Minneapolis MN US		
SHIP FROM SS Central Franchise Store New South Wales West Side MN MN 500600 US		SHIP TO EIT Supplier Site EIT Supplier Minneapolis MN US Phone: 8789898		
CARRIER ?SENDER ?RECEIVER ?THIRD PARTY Carrier Name: Carrier Address:		Requested Pick-Up Date Carrier Signature: Dispatch Date:		
Service:		Tax ID:		
Container ID	Weight (lbs)	Package Type	Tracking ID	
00000000110293059	33	1	2313134	
00000000110293060	25	1	7823145464	
Legalese fine print				
NOTES				
Ship Container No: 00000000110293059		Barcode : 00000000110293059		
EAN	Item	Description	UOM	Quantity
	102450045	YS: IMPORT: REG ITEM 1	Cases	20
	101250025	Xstore_Serial_UIN_Item	Cases	15
Ship Container No: 00000000110293060		Barcode : 00000000110293060		
Driver signature	Date	Receiver Signature	Date	

<u>EAN</u>	<u>Item</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>
	100450017	Test2	Cases	15
	45678912345601	Sue GS1	Cases	20
Legalese fine print				
<div style="font-size: 100px; opacity: 0.2; transform: rotate(-30deg); pointer-events: none;">DRAFT</div>				
Driver signature	Date	Receiver Signature	Date	

Figure 60: RTV Shipment Container Report

RTV Shipment Container Report																	
ORACLE																	
Source:	-																
Supplier:	-																
Ship Date:																	
Shipment Number:																	
Authorization Number:																	
Status:																	
User:																	
Not After Date:																	
Container:																	
Container Status:																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Item</th> <th style="text-align: left; padding: 2px;">Description</th> <th style="text-align: left; padding: 2px;">UOM</th> <th style="text-align: left; padding: 2px;">Pack Size</th> <th style="text-align: left; padding: 2px;">Ship Qty</th> <th style="text-align: left; padding: 2px;">Reason Code</th> </tr> </thead> <tbody> <tr> <td colspan="6" style="height: 100px;"> </td> </tr> </tbody> </table>						Item	Description	UOM	Pack Size	Ship Qty	Reason Code						
Item	Description	UOM	Pack Size	Ship Qty	Reason Code												
Printed: 10/7/2015			Page Number: 1														

Figure 61: RTV Shipment Report

RTV Shipment Report																	
ORACLE																	
Source:	2401 - SS Central Franchise Store																
Supplier:	11 - EIT Supplier Site																
Ship Date:	09/20/2016																
Shipment Number:	81																
RTV Type:	Damaged																
Authorization Number:	51																
Status:	Shipped																
User:	simdev																
Container ID: 000000000110258056			Status: Completed														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Item</th> <th style="text-align: left; padding: 2px;">Description</th> <th style="text-align: left; padding: 2px;">UOM</th> <th style="text-align: left; padding: 2px;">Pack Size</th> <th style="text-align: left; padding: 2px;">Ship Qty</th> <th style="text-align: left; padding: 2px;">Reason Code</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">108850007</td> <td style="padding: 2px;">reg</td> <td style="padding: 2px;">Cases</td> <td style="padding: 2px;">1</td> <td style="padding: 2px;">100</td> <td style="padding: 2px;">Externally Initiated</td> </tr> </tbody> </table>						Item	Description	UOM	Pack Size	Ship Qty	Reason Code	108850007	reg	Cases	1	100	Externally Initiated
Item	Description	UOM	Pack Size	Ship Qty	Reason Code												
108850007	reg	Cases	1	100	Externally Initiated												
Printed: 10/3/2016			Page Number: 1														

Figure 62: RTV Shipping Label

<p>From SS Central Franchise Store New South Wales West Side MN MN 500600 US</p>	<p>To EIT Supplier Site EIT Supplier Minneapolis MN US</p>
<p>(420) SHIP TO POSTAL CODE (420)</p>	<p>LABEL TYPE Return To Vender</p>
<p>Return ID</p>	<p>Return Type Damaged</p>
<p>(01)11 </p>	<p>11</p>
<p>SSCC -18 000000000110258056 </p>	

Appendix: LDAP Schema

This appendix discusses the object classes specified for the SIM application security model. The LDIF file used to create the object classes can be found in `sim_objectclasses.ldif`.

For more information, see [Setting up LDAP Data](#).

Object Classes

There are four SIM-defined Object Classes:

- `simRole`
- `simStore`
- `simUser`
- `simUserRole`

They are described in the following tables:

Table: `simRole` Object Class

Attribute Name	Mandatory	Description
<code>roleName</code>	Yes	Role Name. Syntax: String.
<code>Type</code>	No	Type of a Role – Store or Corporate. Syntax: String.
<code>Description</code>	No	Description of a Role. Syntax: String.

Table: `simStore` Object Class

Attribute Name	Mandatory	Description
<code>storeID</code>	Yes	Store ID. Syntax: String.

Table: simUser Object Class

Attribute Name	Mandatory	Description
superUser	Yes	Is user a superuser? Syntax: Boolean (TRUE or FALSE)
empStatus	Yes	Employee's status (0 = active, 1 = inactive, 2 = deleted, 3 = locked). Syntax: Integer
preferredCountry	No	Preferred country code. Syntax: String
preferredLanguage	No	Preferred language code. Syntax: String
Mail	No	E-mail address. Syntax: String
telephoneNumber	No	Telephone number. Syntax: String
externalID	No	External system ID. Syntax: String
Supervisor	No	Supervisor. Syntax: String
description	No	Descriptions or comments. Syntax: String
startTimestamp	No	Start date. Syntax: Generalized Time
endTimestamp	No	End date. Syntax: Generalized Time
defaultStore	No	DN of the default store. Syntax: String
userStores	No	DN of User's stores, multiple values. Syntax: String This attribute is only used if the user is not a super-user. Super-users do not use store assignments.

Table: simUserRole Object Class

Attribute Name	Mandatory	Description
cn	Yes	Role assignment name. Syntax: String
userRole	Yes	DN of role. Syntax: String
userRoleStores	Yes	DN of stores that user role is assigned, multiple values. Syntax: String
StartTimestamp	No	Start time. Syntax: Generalized Time
EndTimestamp	No	End time. Syntax: Generalized Time

Directory Entry Structure

For this example, the name of the retail company is **MyCompany** and the parent directory of the SIM entries is **cn=SIM,dc=mycompany,dc=com**.

There are two subtrees for Roles and Stores:

```
cn=SIMRoles, cn=SIM, dc=mycompany, dc=com
cn=SIMStores, cn=SIM, dc=mycompany, dc=com
```

Users are stored in the following directory:

```
cn=Users, dc=mycompany, dc=com
```

Configuration File ldap.cfg

A configuration file called ldap.cfg is located in the SIM Server at sim-home/files/prod/config.

The keys SIM_DN and BASE_DN are defined in ldap.cfg. The BASE_DN is the directory where the User container is located; and the SIM_DN directory contains the parent directories for the Role and Store. For example:

```
BASE_DN= dc=mycompany, dc=com
SIM_DN= cn=SIM, dc=mycompany, dc=com
```

Sample LDIF Data Files

Sample data entries are described in this section.

For this example, the name of the retail company is **MyCompany** and the parent directory of the SIM entries is **cn=SIM,dc=mycompany,dc=com**.

Store

DN of Store:

```
storeId=xxxx, cn=SIMStores, cn=SIM, dc=mycompany, dc=com
```

Where `xxxx` is a store ID. The following is a sample LDIF file that adds the entry for Store 7000:

```
dn: storeId=7000, cn=SIMStores, cn=SIM, dc=mycompany, dc=com
changetype: addobject
Class: simStore
storeId: 7000
```

Role

DN of Role:

```
roleName=xxxx, cn=SIMRoles, cn=SIM, dc=mycompany, dc=com
```

Where `xxxx` is a roleName defined in the SIM database (`SECURITY_ROLE.name`). The following is a sample LDIF file that adds the entries for ADMINISTRATOR and MANAGER:

```
dn: roleName=ADMINISTRATOR, cn=SIMRoles, cn=SIM, dc=mycompany, dc=com
changetype: addobject
Class: simRole
roleName: ADMINISTRATOR
type: Corporate
description: Corporate Administrator
```

```
dn: roleName=MANAGER, cn=SIMRoles, cn=SIM, dc=mycompany, dc=com
changetype: addobject
Class: simRole
roleName: MANAGER
type: Store
description: Store Manager
```

User

DN of User:

```
cn=xxxx, cn=Users, dc=mycompany, dc=com
```

Where `xxxx` is the username of a user. The following is a sample LDIF file that adds a User Entry. The username is **superuser1** and the default store is **7000**, and has access to stores 7000, 7010 and 7011.

Note: The attributes **cn** and **uid** should be the same, and are the login ID of the user.

```
dn: cn=superuser1, cn=Users, dc=mycompany, dc=com
changetype: addobject
class: top
objectclass: organizationalpers
onobjectclass: orcluser
objectclass: person
objectclass: orcluserv2
objectclass: inetorgperson
objectclass: simUser
cn: superuser1
uid: superuser1
superUser: TRUE
```

```

empStatus: 0
preferredCountry: US
preferredLanguage: en
givenname: superuser1
middleName: M1
sn: Superuser1
mail: superuser1@mycompany.com
telephoneNumber: 800-111-2222
externalId: superuser1
supervisor: X
description: SIM Store ID 7000 Super User.
startTimestamp: 20071026000000Z#
endTimestamp:
defaultStore: storeId=7000,cn=SIMStores,cn=SIM,dc=mycompany,dc=com
userStores: storeId=7000,cn=SIMStores,cn=SIM,dc=mycompany,dc=com
userStores: storeId=7010,cn=SIMStores,cn=SIM,dc=mycompany,dc=com
userStores: storeId=7011,cn=SIMStores,cn=SIM,dc=mycompany,dc=com
userpassword: welcome1

```

User's Role

DN of user role:

```
cn=xxxx,cn=SIMUserRoles,cn=SIM,dc=mycompany,dc=com
```

Where `xxxx` is the role assigned to a user with username `user1`. The following is a sample LDIF file that will add an entry for `MANAGER` role for user `User1`:

```

dn: cn=User1_MANAGER,cn=SIMUserRoles,cn=SIM,dc=mycompany,dc=com
changetype: add
objectclass: simUserRole
cn: User1_MANAGER
userRole: roleName=MANAGER,cn=SIMRoles,cn=SIM,dc=mycompany,dc=com
userRoleUsers: cn=user1,cn=Users,dc=mycompany,dc=com
userRoleStores: storeId=7000,cn=SIMStores,cn=SIM,dc=mycompany,dc=com
userRoleStores: storeId=7010,cn=SIMStores,cn=SIM,dc=mycompany,dc=com
userRoleStores: storeId=7011,cn=SIMStores,cn=SIM,dc=mycompany,dc=com

```

Appendix: UPC Barcode

UPC-E items compress a normal 12-digit UPC-A item into six digits. SIM has the ability to decompress UPC-E barcodes to UPC-A. A seventh digit acts as a check digit for the UPC-E number. When the user scans the UPC-E barcode, SIM finds the UPC-A barcode and displays the item ID associated with it.

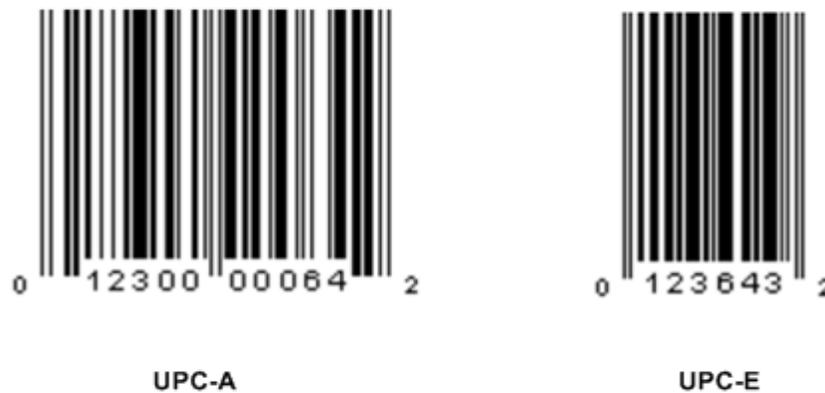
Differences Between UPC-A and UPC-E

UPC-E is also called zero suppressed UPC because UPC-E compresses a normal twelve-digit UPC-A number into a six-digit code by suppressing the number system digit, trailing zeros in the manufacturers code and leading zeros in the product identification part of the bar code message. A seventh check digit is encoded into a parity pattern for the six main digits. UPC-E can thus be uncompressed back into a standard UPC-A twelve-digit number.

Note: Most bar code readers can be configured to automatically convert six-digit UPC-E numbers to twelve-digit UPC-A numbers before they are transmitted to a host computer.

The main difference between a UPC-A symbol and a UPC-E symbol is the size. The following image presents a UPC-A bar code (left) and the same data encoded as a UPC-E bar code (right):

Figure: UPC-A and UPC-E Differences



To convert between UPC-A and UPC-E bar code numbers, you can use the following table or try online UPC-E converter program. In the following, the number 0 and each of the letters (a, b, c, d and e) represent individual digits in the bar code message. The letter X represents the UPC check digit.

Table: UPC Conversion Table

UPC-A Number	Equivalent UPC-E	Notes
0ab00000cdeX	abcde0X	Manufacturer code must have two leading digits with three trailing zeros and the item number is limited to three digits (000 to 999).
0ab10000cdeX	abcde1X	Manufacturer code must have three leading digits ending with 1 and two trailing zeros. The item number is limited to three digits.
0ab20000cdeX	abcde2X	Manufacturer code must have three leading digits ending with 2 and two trailing zeros. The item number is limited to three digits.
0abc00000deX	abcde3X	Manufacturer code must have three leading digits and two trailing zeros. The item number is limited to two digits (00 to 99).
0abcd00000eX	abcde4X	Manufacturer code must have four leading digits with one trailing zero and the item number is limited to one digit (0 to 9).
0abcde00005X	abcde5X	Manufacturer code has all five digits. The item number is limited to a single digit consisting of either 5, 6, 7, 8 or 9 .
0abcde00006X	abcde6X	
0abcde00007X	abcde7X	
0abcde00008X	abcde8X	
0abcde00009X	abcde9X	

Conversion Between UPC-A and UPC-E

Not all UPC-A numbers can be compressed to UPC-E. These codes with a corresponding UPC-E code must have at least four zeros. The requirements are:

1. If the manufacturer code ends with 000, 100, or 200, the UPC-E code consists of the first two characters of the manufacturer code, the last three characters of the product code, followed by the third character of the manufacturer code. In this case, the product code must be 00000 and 00999.
2. If the manufacturer code ends with 00 but does not meet the first requirement, the UPC-E code consists of the first three characters of the manufacturer code, the last two characters of the product code, followed by digit **3**. The product code can only contain two digits (00000 to 00099).
3. If the manufacturer code ends in **0** but none of the previous qualifies, the UPC-E consists of the first four digits of the manufacturer code and the last digit of the product code, followed by the digit **4**. The product code in this case can only contain one digit (00000 to 00009).
4. If the manufacturer code ends with non-zero digit, the UPC-E code consists of the manufacturer code and the last digit of the product code. In this case the product case can only be one from 00005 to 00009 because 0 through 4 has been used for the previous four cases.

For a free web-based utility for converting between UPC-A and UPC-E, go to the following URL:

<http://www.morovia.com/education/utility/upc-ean.asp>

Quick Response Codes

Quick Response (QR) Codes are two dimensional bar codes that can be generated to represent any text, most often a custom URL. They can be read by a number of mobile applications through a phone's camera, and provide a way to hyperlink to the physical world. QR Codes can be placed next to products to provide further information or digital coupons, even if the QR Code is on a billboard or store signage. QR Codes and the associated web sites are controlled by the retailer, thus allowing them to recapture control of product research in their store, as well as provide value added information and digital coupons.

QR code functionality in SIM allows the user to:

- Track the image reference to QR Codes at the item/location/image type/time level
- Generate tickets/labels by location when QR codes change based on time/entry using the existing ticket/label dialogues
- Configure the generation of tickets and/or labels automatically
- Print tickets and labels with QR codes
- Allow external systems to integrate QR references within SIM

By running the batch, SIM creates a ticket or label entry in the ticketing screen following the standard pattern of ticketing and labeling. This is configurable.