

SAP for Retail Master Guide

Business Suite 7i2011

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CUSTOMER

SAP for Retail Business Suite 7i2011 Master Guide

Typographic Conventions

Type Style	Description
<i>Example</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Textual cross-references to other documents.
Example	Emphasized words or expressions.
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE	Keys on the keyboard, for example, F2 or ENTER.

Document History

Version	Date	Change
1.0	2011-08-01	Initial version.
1.1	2015-11-30	Updated document template. Minor revisions.

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1 SAP for Retail Overview

SAP for Retail creates a competitive advantage for retailers by enabling them to achieve maximum profitability by driving down their costs and increasing their revenues through collaborative processes tailored to their customers' needs. The processes are easy to use and deliver a quick ROI.

SAP for Retail provides web-enabled applications in a fully integrated system that creates value for retailers in important areas of their business. It helps retailers build their business on a solid transactional backbone, integrate different sales channels, better understand customer preferences, and manage their supply chain more efficiently.

SAP for Retail brings all the speed, efficiency, and flexibility of the Internet to every aspect of your enterprise. SAP for Retail focuses your entire value chain -- from the way you manage customer contacts and fulfillment to how you maintain inventory and analyze performance -- on your customers, generating measurable benefits in cost, revenue, and strategy.

- Impact on Cost

By seamlessly integrating merchandise planning, demand forecasting, allocation, and replenishment functions, you ensure a more responsive, flexible supply chain, enhancing efficiencies and minimizing expenses.

Our powerful, easy-to-use Web-based store portal gives you more accurate point-of-purchase data and helps increase employee efficiency, keeping down training and operating costs.

- Impact on Revenue

Multichannel relationship and transaction management, coupled with automated marketing and customer self-service, helps you boost sales, increase shopping frequency, raise customer retention, and more effectively attract new customers.

Assortment, shelf management, mass customization, and cross-selling functions let you cut stock levels and improve shelf space efficiencies, giving you extended product lifecycles and greater profitability.

- Impact on Strategy

Sophisticated reporting and analysis capabilities -- plus integrated merchandising, customer, financial, and employee data -- give you deeper insights into your customers and your operations, allowing you to adapt faster to market changes.

This SAP for Retail Master Guide provides a central starting point for the technical implementation of the business scenarios of SAP for Retail.

Note

You can find an overview about the whole functionality of SAP for Retail in the solution map: service.sap.com/bmet → *Browse Solutions* → *By Industry* → *Retail* → *Retail*.

Recommendation

The business scenarios that are presented here serve as examples of how you can use SAP software in your company. The business scenarios are only intended as models and do not necessarily run the way they are described here in your customer-specific system landscape. Ensure to check your requirements and systems to determine whether these scenarios can be used productively at your site. Furthermore,

we recommend that you test these scenarios thoroughly in your test systems to ensure they are complete and free of errors before going live.

2 Getting Started

This Master Guide provides the information about which components and which guides are required during this process. Getting Started contains valuable information about using this document and related information (documentation and SAP Notes) crucial to the installation and upgrade.

Business Scenarios of SAP for Retail contains the following information for each business scenario:

- A short overview about the business scenario
- Minimal system landscape
- A software component matrix for each business scenario that provides the information which components the business scenario uses and if the corresponding component is mandatory or optional
- Where you can find further information about the business scenario.

Note

You can find the most current information about the technical implementation of SAP for Retail and the latest installation and configuration guides on the SAP Service Marketplace under:
<http://service.sap.com/instguides> → *Industry Solutions* → *Industry Solution Guides* → *SAP for Retail* → *SAP Point-of-Sale* → *SAP POS 2.3*.

We strongly recommend that you use the documents available here. The guides are regularly updated.

2.1 Related Information

The following list contains links to crucial information for implementing this solution.

List of Related Documentation

Content	Location
Information about realization alternatives for SAP Solutions, Business Scenarios, and Processes	service.sap.com/scl
Information about technical and release planning issues on SAP components	support.sap.com/pam
Information about the latest version of installation and upgrade guides for SAP components	service.sap.com/instguides
Information about SAP Notes	support.sap.com/notes
Information about released platforms	service.sap.com/platforms
Information about sizing, calculation of hardware requirements (such as CPU, disk and memory resource) with the Quick Sizer tool	service.sap.com/sizing

Content	Location
Information about network security – SAP Security Guide	service.sap.com/securityguide
Information about Support Package Stacks, latest software versions and patch level requirements	service.sap.com/sp-stacks
Information about high availability	service.sap.com/ha
Information about creating error messages	support.sap.com/message
Performance	service.sap.com/performance
Documentation on SAP Help Portal	help.sap.com/

2.2 Related Master Guides

This Master Guide is based on Component Master Guides. You will find detailed information about the relevant components in the following documents:

List of Related Master Guides NEW

Content	Location
SAP ERP 6.0	service.sap.com/erp-inst → SAP ERP 6.0 → Installation → Master Guide for SAP ERP 6.0
SAP ERP 6.0 Enhancement Package 6	service.sap.com/erp-inst → SAP ERP 6.0 → SAP Enhancement Packages for SAP ERP 6.0 → SAP Enhancement Package 6 for SAP ERP 6.0 → Master Guide SAP Enhancement Package 6 for SAP ERP 6.0
SAP NetWeaver 7.0	service.sap.com/instguides → SAP NetWeaver → SAP NetWeaver 7.0 (2004s) → Installation → Master Guide – SAP NetWeaver 7.0
SAP NetWeaver 7.0 Enhancement Package 3	service.sap.com/instguides → SAP NetWeaver → SAP NetWeaver 7.0 (2004s) → Installation → Master Guide – SAP NetWeaver 7.0
SAP SCM 7.0	service.sap.com/instguides → SAP Business Suite Applications → SAP SCM → SAP SCM Server → Using SAP SCM 7.0 Server
SAP CRM 7.0	service.sap.com/crm-inst → SAP CRM 7.0 → Plan → Master Guide SAP CRM 7.0 SR1
SAP CRM 7.0 Enhancement Package 2	service.sap.com/crm-inst → SAP CRM 7.0 SAP Enhancement Packages for SAP CRM 7.0 → Plan

Content	Location
	→ <i>Master Guide SAP CRM 7.0 Enhancement Package 2</i>
SAP SRM 7.0	service.sap.com/instguides → <i>SAP Business Suite Applications</i> → <i>SAP SRM</i> → <i>SAP SRM 7.0</i>

2.3 SAP Solution Manager

SAP provides the SAP Solution Manager as the highly recommended platform to efficiently support the implementation of your solution. Using SAP Solution Manager will significantly accelerate the implementation process and help you to achieve your business goals. At the same time, SAP will be able to deliver Support Services based on the business scenarios designed and documented in SAP Solution Manager. Implementation content for your solution may further accelerate the implementation process. For information about availability of content specifically tailored to your solution, see SAP Service Marketplace under support.sap.com/solutionmanager.

2.4 Important SAP Notes

This section contains important SAP Notes for SAP for Retail.



Caution

Read the installation SAP Notes before beginning the installation. These contain the most recent information regarding the installation, as well as corrections to the installation documentation.

Make sure that you have the most recent version of each SAP Note. They are located on the SAP Service Marketplace (support.sap.com/notes).

List of Related SAP Notes

SAP Note	Title	Description
998833	Release Restrictions SAP ERP 6.0 - Enhancement	This note provides information about limitations for SAP enhancement packages for SAP ERP 6.0
1064635	SAP ERP Enhancement Packages: SP Stacks Release Info	This SAP Note contains a list of all Release Information Notes for: <ul style="list-style-type: none"> • SAP ERP Enhancement Package Releases • SAP ERP Enhancement Package Support Package (SP) Stacks • Corresponding or equivalent SAP ERP 6.0 Support Package Stacks

2.5 Enhancement Package Key Concept

We have adapted our major release strategy to better fit your adoption cycle. To ensure that you benefit from new developments and innovations while minimizing the impact on your core operational systems, SAP uses enhancement packages to speed up the delivery of new functions.

With SAP enhancement packages, you can install and activate new functions depending on your business needs without having to perform a system upgrade. You can selectively implement the new functions and activate the software upon business demand. As a result, you can isolate the impact of software updates and make new functions available faster due to shortened test cycles.

2.5.1 Implementation

There are three different scenarios to implement an enhancement package:

1. Installation of an enhancement package on an existing SAP system
2. New installation of an SAP system including an enhancement package
3. Upgrade of an SAP system including an enhancement package

The installation process of enhancement packages consists of two different steps:

1. Technical installation of an enhancement package
2. Activation of new functions using the switch framework technology

You have a choice on both levels – installation and activation. You do not need to install a full enhancement package. Instead, you can update the software components that are related to the functional enhancements you want to use.

Note

Keep in mind that you cannot mix the installation of different enhancement package versions in your ABAP-based SAP system. You can have just one enhancement package version in the SAP system.

From a business point of view, functional enhancements are grouped into business functions (BFs). The technical installation of the business functions does not change the system behavior. The new functions are available in the system, but are not active. After the installation, no user interface or process change takes place. You must explicitly activate new functions so that they become visible in the system. As a result, changes are predictable and there are no side effects as only the activated areas change.

With the switch framework technology (transaction `SEFW5`), it is possible to control the activation of new SAP objects in ABAP-based SAP systems. The activation process triggers a background job that automatically performs all changes in the SAP system.

Caution

You cannot reverse a business function once it is activated.

After you have activated a business function, you can see the changes and new developments in the SAP system, for example:

- Menu entries
- New screens
- New fields on the application user interfaces

- IMG activities required for the implementation
- New table entries in Customizing tables and system tables.

You can create a transport request with the current settings of the switch framework. You can check functional changes and the impact of an activated business function in advance in the business function documentation.

Recommendation

Test the installation and activation on a sandbox system.

2.5.2 Maintenance

SAP enhancement packages have Support Packages of their own that are equivalent to the Support Package versions of the underlying SAP system. You must install the enhancement package in combination with the latest available Support Package stack. This approach reduces installation, modification adjustment, and testing effort. Using this strategy, you can install SAP enhancement packages as a normal maintenance activity together with Support Package stacks.

An enhancement package requires a specific Support Package stack level in the source release SAP system.

Note

If the SAP system is on a lower Support Package stack level, all relevant Support Package stacks for the EHP installation are automatically included into the download queue by the Maintenance Optimizer, as well as the latest available Support Packages for the enhancement package.

2.5.3 Tools

The enhancement package installation requires the following tools:

- SAP Solution Manager Maintenance Optimizer

Note

Use of SAP Solution Manager is mandatory: Ensure that you have installed SAP Solution Manager 7.0 EHP1 SP23 or any higher support package. With respect to update and maintenance processes (for example transaction SMSY and Maintenance Optimizer) SAP Solution Manager 7.0 EHP1 is sufficient. There is no need to upgrade to SAP Solution Manager 7.1.

Also ensure that you have correctly defined and maintained your system landscape in SAP Solution Manager (transaction SMSY). To verify and potentially correct your system landscape SAP highly recommends to use Landscape Verification 1.0 for SAP Solution Manager 7.0 which is an add-on to your SAP Solution Manager 7.0 system. This add-on allows you to identify and correct issues in your SAP Solution Manager landscape (transaction SMSY) before they cause problems, for example during a system update. Examples for errors are a missing connection to the System Landscape Directory or the wrong assignment of products to technical systems. For each type of error a generic description how to solve it is provided.

For more information about the landscape verification add-on, see SDN at

<http://www.sdn.sap.com/irj/sdn/alm?rid=/webcontent/uuid/70fc3790-7ec9-2d10-57ad-95b2d0d1185d>.

➔ Recommendation

Before installing the enhancement package, we recommend that you install the landscape verification add-on to check your landscape set-up and data (transaction `SMSY`) and to correct it if necessary.

- Installation or upgrade tools (depending on your scenario)

The SAP Solution Manager Maintenance Optimizer (accessible from the Change Management work center) supports the download of a consistent queue that includes all necessary Support Packages and enhancement packages. In addition, SAP Solution Manager calculates a valid import queue for the selected SAP system and generates the enhancement package stack configuration file that you require for the installation.

For the new installation of an SAP system including enhancement package you use the standard installation tool (SAPInst). To install an enhancement package on an existing SAP system, as well as for the upgrade of an SAP system to a higher release including an enhancement package, you use the Software Update Manager (SUM).

2.6 Key Facts About Enhancement Packages

The following list summarizes important facts about the enhancement package concept and recommended approaches:

- Install only selected parts of the enhancement package. The selection is driven by the functional need from a business point of view.
- You cannot mix the installation of different enhancement package versions in your ABAP-based SAP system. You can have just one enhancement package version in the SAP system.
- SAP enhancement packages are cumulative, meaning that each new enhancement package includes new innovations of its own as well as all innovations delivered with prior packages.
- We recommend installing the latest available enhancement package version.
- Install enhancement packages and Support Packages in one single step (this includes the preconditioned Support Packages).
- SAP enhancement packages have Support Packages of their own that are equivalent to the Support Package versions of the underlying SAP system.
- SAP enhancement packages have the same maintenance period as the underlying core application.
- The installation of an enhancement package is irreversible.
- As long as you do not activate a business function, the installation of an enhancement package has no impact on existing business processes or user interfaces.
You can only activate business functions in ABAP-based systems, not in Java-based SAP systems.
- The activation of most business functions and extension sets is irreversible. Only a small number of business functions is reversible.

Test the installation process and activation of new functions in advance on a sandbox system. Ensure that you evaluate the runtime and the SAP system behavior, its dependencies and impacts. Make sure that your SAP system is free of errors before going live.

2.7 Enhancement Package Implementation

In the following, you will find an overview of the steps involved in the three different enhancement package implementation scenarios.

2.7.1 Enhancement Package Installation in an Existing SAP System

Process

1. You find out, which of the new functions are interesting for your business.
2. You analyze the landscape dependencies.
3. You identify the relevant installable parts of the enhancement package.
4. You make sure that you have set up your SAP Solution Manager system for the download of packages, and that you have configured the Maintenance Optimizer.
5. You download the installation queue.
6. You perform the installation.
7. You analyze the impact of the business function activation with the dependency analyzer and the impact analyzer (transaction SFW5).
8. You activate the business functions.
9. You perform additional Customizing, if necessary.
10. You test the new functions.

Tools

- SAP Solution Manager Maintenance Optimizer (mandatory)
- Software Update Manager(SUM)
- Switch framework with Dependency Analyzer and Impact Analyzer in SAP Solution Manager (transaction SFW5)

2.7.2 New Installation of an SAP System with Enhancement Packages

Process

1. You install the SAP system.

The installation of SAP ERP 6.0 including enhancement package 6 comprises the technical usage Central Applications. The installation of the technical usage Central Applications implies that the system is ready for use without installing any further technical usages. Of course, you can optionally install additional technical usages.

2. If you want to install further technical usages:
 1. You identify the relevant installable parts of the enhancement package.

2. You make sure that you have set up your SAP Solution Manager system for the download of packages, and that you have configured the Maintenance Optimizer.
 3. You download the installation queue.
 4. You perform the installation.
 5. You activate the business functions using the switch framework (transaction `SFW5`).
3. You perform the Customizing for the SAP system.
 4. You test the SAP system.

Tools

- Standard Installation tool `SAPinst`
- Software Update Manager (SUM) or `SAINT` to install additional technical usages

Note

In this scenario, you can use transaction `SAINT` for installing additional technical usages, because software component `SAP_APPL 6.05` is already present in your system (part of technical usage Central Applications). This is a prerequisite for using `SAINT`.

- Switch framework with Dependency Analyzer and Impact Analyzer in SAP Solution Manager (transaction `SFW5`)

2.7.3 Upgrade to an SAP System Including an Enhancement Package Installation

Customers who are upgrading from a lower release to an SAP system for which enhancement packages are available can include parts of enhancement packages into the upgrade process.

Caution

The use of SAP Solution Manager Maintenance Optimizer is mandatory if you want to include enhancement packages in your release upgrade.

Process

1. You plan the upgrade to the new release. Decide which parts of the enhancement package you want to include into the upgrade procedure before you start with the upgrade.
2. You identify the relevant installable parts of the enhancement package.
3. You make sure that you have set up your SAP Solution Manager system for the download of packages, and that you have configured the Maintenance Optimizer.
4. You download the required parts of enhancement packages and Support Packages as well as the enhancement package stack configuration file.
5. You perform the upgrade including parts of the enhancement package.
6. The upgrade program asks if you want to include parts of an enhancement package into the upgrade process.
7. You activate the business functions using the switch framework (transaction `SFW5`).
8. You perform the delta Customizing for the SAP system.
9. You test the SAP system.

Tools

-
- Standard upgrade tools (SAPup and SAPJup)
 - SAP Solution Manager Maintenance Optimizer

3 Solution-Wide Topics

3.1 Service-Oriented Architecture (SOA)

SAP's delivery on SOA (service-oriented architecture) differs from the pure architectural concept of SOA in the delivery of ready-to-use enterprise services. Enterprise services are SAP-defined Web services which provide end-to-end business processes or individual business process steps that can be used to compose business scenarios while ensuring business integrity and ease of reuse. SAP designs and implements enterprise service interfaces to ensure semantic harmonization and business relevance. This section deals with the service-enablement of SAP Business Suite 7.

3.2 Service Enablement

The service enablement of SAP Business Suite consists of one or more of the following SAP components:

- SAP Business Suite 7

Enterprise services are an integral part of the software components of the SAP Business Suite applications. Enterprise services are the technical interfaces to the functionality available in the business application.

- SAP NetWeaver PI 7.0 or higher

SAP NetWeaver Process Integration (SAP NetWeaver PI) is an open integration and application platform that provides tools enabling you to set up a service-oriented architecture for business applications. You can use the platform for providing, discovering, and consuming services, integrating applications using the integration server, and managing business processes. Process integration is required in a runtime environment to consume enterprise services in a mediated scenario.

We recommend that you use the highest version of SAP NetWeaver Process Integration (PI), currently this is SAP NetWeaver PI 7.3. For more information, see SAP Note 1515223 and SAP Note 1388258.

Note

Starting with SAP NetWeaver Process Integration (PI) 7.3, SAP provides a new installation option Advanced Adapter Engine Extended (AEX). Since AEX is based on AS Java alone, it is easier to install and maintain as well as it needs less memory and data storage. Therefore, AEX is a cost-saving option compared to a full installation of SAP NetWeaver PI. For more information about the AEX, see the SAP Library at: <http://help.sap.com/nw73> → *Technology Platform* → *SAP Process Integration* → *SAP Process Integration* → *Process Integration (Introduction) for SAP NetWeaver 7.3* → *Concepts* → *Installation and Connectivity Options* → *Advanced Adapter Engine Extended* and SAP Note 1573180.

Note

Asynchronous services that are enabled for Web Services Reliable Messaging (WS-RM) can be called in a point-to-point communication scenario. Otherwise asynchronous services can only be consumed in a mediated scenario.

- Enterprise Services Repository

The Enterprise Services Repository (ES Repository) is the central repository that contains the definition of all enterprise services and models. ES Repository is shipped with SAP NetWeaver PI 7.1 and with SAP NetWeaver CE 7.1. The Enterprise Services Repository is a design time environment that enables you to create and enhance enterprise service definitions and to view enterprise service models.

 **Note**

In a SAP NetWeaver 7.0x landscape you will require the Integration Repository to create and enhance enterprise service definitions in a design time environment.

- **Services Registry**

The Services Registry is shipped with SAP NetWeaver PI and SAP NetWeaver CE starting with SAP NetWeaver PI 7.1 and SAP NetWeaver CE 7.1. The Service Registry is required for the publication of enterprise service end-points (Web services) that have been configured and activated in the SAP Business Suite.

- **SAP NetWeaver CE 7.1 or higher**

The SAP NetWeaver Composition Environment (SAP NetWeaver CE) provides a robust environment for the design and implementation of composite applications.

The design time environment of SAP NetWeaver CE can be used for the model-driven design and development of composite applications based on enterprise services. SAP NetWeaver CE offers the tools and the environment necessary for running composite applications fast and efficiently in a runtime environment.

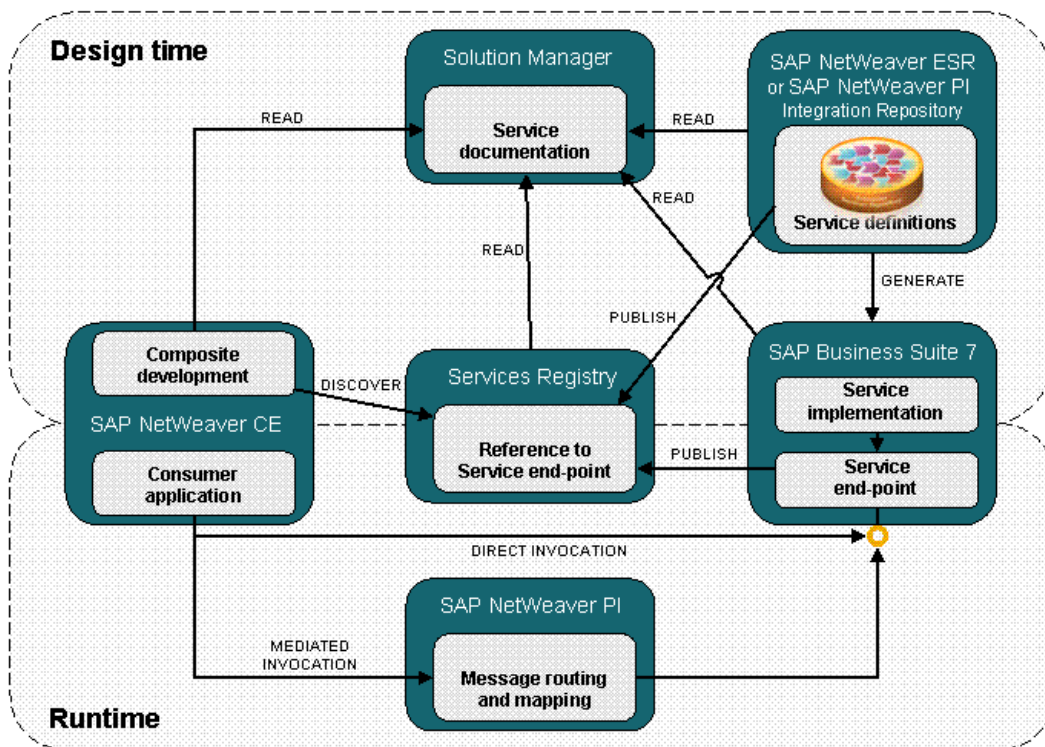
- **SAP Solution Manager 7.0 EHP 1**

The Solution Composer, shipped with SAP Solution Manager 7.0 EHP 1 SP 23, is required to host the enterprise service online documentation.

Overview: SAP's Applications for SOA Enablement

The following table describes the SAP applications required or recommended for different runtime and design time use cases:

	SAP Applications:	SAP Business Suite	SAP NetWeaver PI 7.0x (Integration Repository)	SAP NetWeaver PI 7.1 or higher (ES Repository)	SAP NetWeaver CE 7.1 or higher (ES Repository)	SAP Solution Manager 7.0 EHP1 or higher (Solution Composer)	SAP NetWeaver 7.1 or higher (Services Registry)
Runtime Usage:	Enterprise Service Provisioning	Required					Optional
	Process integration and mediated communication		One option required				
	Create and enhance enterprise	Required	One option required			Recommended	



	SAP Applications:	SAP Business Suite	SAP NetWeaver PI 7.0x (Integration Repository)	SAP NetWeaver PI 7.1 or higher (ES Repository)	SAP NetWeaver CE 7.1 or higher (ES Repository)	SAP Solution Manager 7.0 EHP1 or higher (Solution Composer)	SAP NetWeaver 7.1 or higher Services Registry
Design Time Usage:	service definitions						
	View enterprise service models			One Option Required		Recommended	
	Design and develop composite applications				Required	Recommended	Recommended
	Enterprise service online documentation					Required	
	Publications of enterprise service endpoints					Optional	Required

3.3 Installation of the Service-Oriented Architecture

The installation of service interfaces, and therefore the service enablement of SAP Business Suite, consists of one or more of the following phases:

- Identification of software components and required business functions
 You use the technical data section of the enterprise service documentation to identify the following data for each enterprise service:
 - the software component version with which the service was shipped
 - the business function(s) required to be activated
- Identification of technical usages (relevant for SAP ERP only)
 SAP Note 1566412 provides a mapping of business functions and software component versions to technical usages. You use this documentation to identify the required technical usages for your list of software component versions and business functions.
- Installation of the software component ECC-SE (relevant for SAP ERP only)
 The software component ECC-SE contains service implementations for ECC (the ERP Central Component). This component must be explicitly installed if you intend to use enterprise services for ECC functionality. In this case you must also select the technical usage "ESA ECC-SE" during the enhancement package installation.

- Selection and installation together with the other parts of the enhancement package

In the enhancement package installation process you must select all the technical usages you have identified for service enablement together with the technical usages you identified for enhanced features in SAP Business Suite. The selected technical usages will install the corresponding software components that contain the enterprise services interfaces and implementations.

- Enterprise service definitions for SAP NetWeaver PI 7.0x or ES Repository (SAP NetWeaver 7.1 or higher) (optional)

To install the content required for the enterprise service definitions you must select the technical usage “XI Content” in the enhancement package installation process. This usage type downloads the content files for both SAP NetWeaver 7.0 or higher. Unpack the ZIP file and copy the tpz files corresponding to your SAP NetWeaver version into the import directory of your Integration Repository (for SAP NetWeaver PI 7.0x) or Enterprise Services Repository (for SAP NetWeaver ES Repository 7.1 or higher). Use the import function to import the content files into the corresponding repository (Integration Repository or Enterprise Services Repository). (Choose *Tools* → *Import Design Objects*)

- Enterprise service models for ES Repository (SAP NetWeaver 7.1) (optional)

To install the content required for the enterprise service models you must select the technical usage “ESR Content” in the enhancement package installation process. This usage type downloads the content files for SAP NetWeaver ES Repository 7.1. or higher. Unpack the ZIP file and copy the tpz files into the import directory of your Enterprise Services Repository. Use the import function to import the content files into the Enterprise Services Repository. (Choose *Tools* → *Import Design Objects*)

Note

The enterprise service models are not available for the Integration Repository (SAP NetWeaver PI 7.0x)

- Enterprise service online documentation for Solution Composer (optional)

To install the content required for the enterprise service online documentation you must download the content file for the corresponding Business Suite application product version from the Service Marketplace. Then you must import the content file into your Solution Composer. Refer to SAP Note 1224284 for further information.

- Services Registry (optional)

The services registry is shipped with SAP NetWeaver PI 7.1 and CE 7.1. You must install the services registry and then publish the enterprise services from the Business Suite application to the registry using the transaction `SOAMANAGER` in the backend.

For further information regarding the installation of SAP NetWeaver PI, CE and ES Repository, refer to the corresponding SAP NetWeaver Installation and Master Guides.

3.4 Related Documentation

For more information about the service-oriented architecture (SOA), see the following information sources:

- SDN Community in the SAP Network at <https://www.sdn.sap.com/irj/sdn/soa> (registration required)
- The SAP Enterprise Service Workplace at <http://ESWorkplace.sap.com>
- The Enterprise Services Wiki in the SAP Network at <https://wiki.sdn.sap.com/wiki/x/LQ0> (registration required)
- SAP Note 1224284: Enterprise Services, Installing and Accessing the SOA Documentation

-
- SAP Note 1359215: Technical prerequisites for using enterprise services (relevant for ERP only)
 - SAP note 838402: Problems with non-Unicode system landscapes

4 Business Scenarios of SAP for Retail

4.1 Allocation

4.1.1 Overview

You can use this business scenario to distribute a centrally planned quantity of goods to a large number of stores on specific delivery dates. This quantity distribution can occur dynamically by means of allocation strategies (with optional access to SAP NetWeaver Business Intelligence, for example).

The flow of products is then triggered by follow-on processing; that is, procurement and issue documents are automatically created by the system.

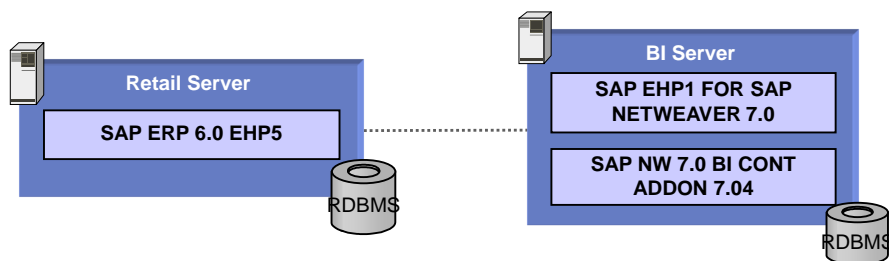
If vendor orders are generated as follow-on documents, contract determination can be performed.

Alternatively, you can also generate allocation tables automatically with reference to standard purchase orders or vendor orders that have been generated or created based on detailed assortment planning (in particular, purchasing lists). This way, the system distributes the quantities for the planned assortment in the purchase list to the recipients.

Allocation tables are used, for example, to allocate seasonal merchandise, eliminate warehouse stocks, initially distribute new products, and distribute promotional goods. You can use payment advices to control communication between the head office and recipients.

4.1.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Allocation:



The following table lists the mandatory and optional software components for the technical implementation of Allocation:

Component	Mandatory	Optional
SAP ERP 6.0 EHP5	X	

Component	Mandatory	Optional
SAP EHP1 FOR SAP NETWEAVER 7.0		X
SAP NW 7.0 BI CONT ADDON 7.04		X

4.2 Chainwide Inventory Management

4.2.1 Overview

You use this business scenario to manage multiple units of measure for buying, tracking, and selling in both distribution centers and stores.

Different options for inventory valuation are available – the cost method of accounting (CMA), the retail method of accounting (RMA) and the extended retail method of accounting (ERMA). Depending on the method, the system calculates perpetually or periodically inventory values and the cost of goods sold in the stock ledger and updates the general ledger.

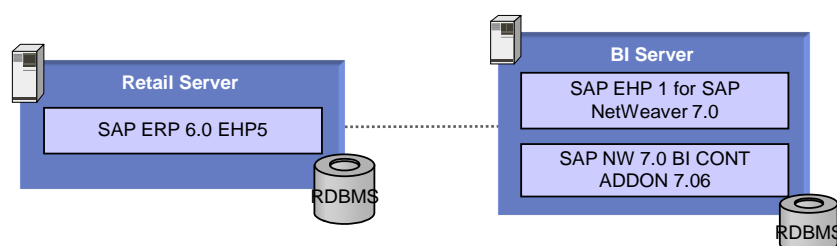
Shrink management allows users to make inventory adjustments at any location. Shrinkage can be posted to respective general ledger accounts, depending on the reason (such as breakage, spoilage, theft, depreciation, withdrawal for own use, and so on). You can perform statistical analyses to track and improve shrinkage rates. A number of physical inventory methods, such as periodic and continuous inventory, are available. For value-based inventory management, physical inventory is based on the retail value of inventory.

Inventory analytics enable a retailer to make the right business decision based on inventory situations at the store or in the distribution center. Reduce out-of-stock situations, improve sell-through, rationalize holdings, achieve higher customer satisfaction and increased turns. Stock ledger reporting is available for each of the inventory valuation methods.

See the business scenario documentation available in Solution Manager for more details on this business scenario.

4.2.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Chainwide Inventory Management:



The following table lists the mandatory software components for the technical implementation of Chainwide Inventory Management:

Component	Mandatory	Optional
SAP ERP 6.0 EHP5	X	
SAP EHP 1 for SAP NetWeaver 7.0 and SAP NetWeaver 7.0 BI Content Add-On 6	X	
Or SAP NetWeaver 7.3 and SAP NetWeaver 7.3 BI Content Add-On 5	X	

4.2.3 Further Information

The following documents provide more information about Chainwide Inventory Management:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.3 Demand Forecasting

4.3.1 Overview

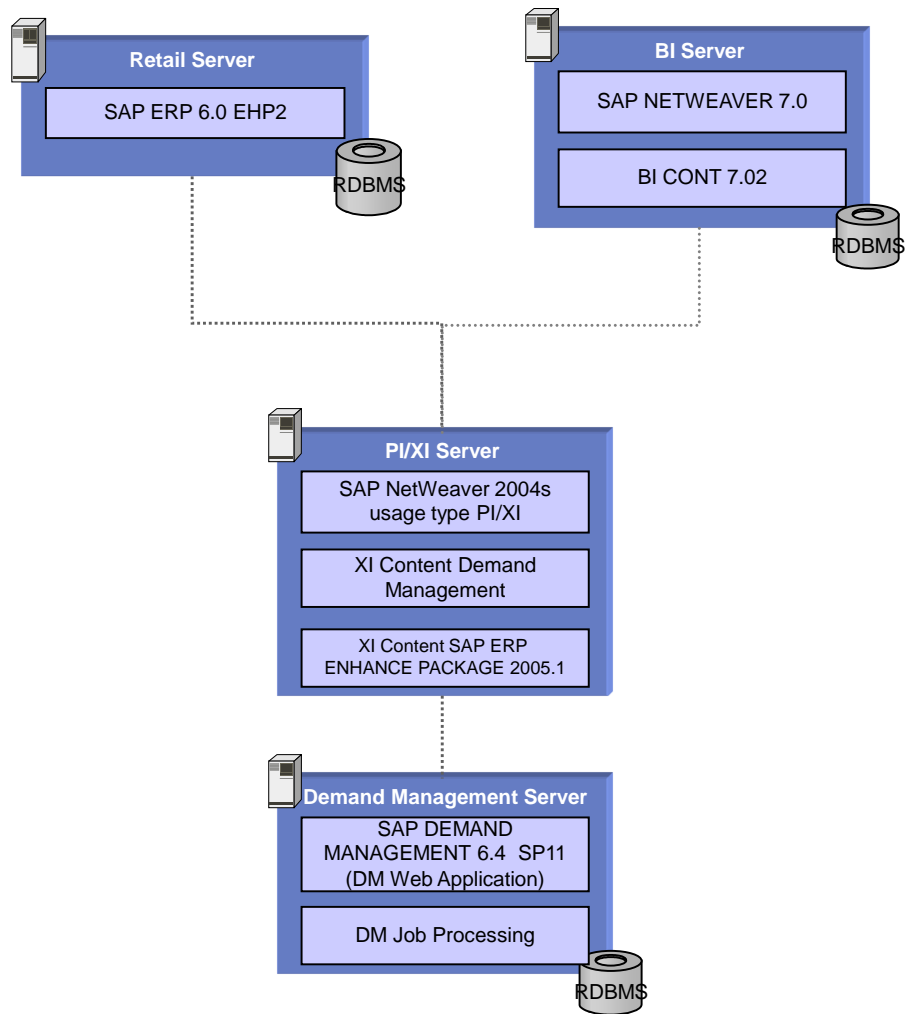
The Demand Forecasting process is part of the Demand Forecasting business scenario.

When the Data Cleansing and Demand Modeling processes are complete, you can calculate a demand forecast. The forecast is provided down to the product-store level. Additional flexibility allows you to configure the forecast, compare the forecast with actual values and override model parameters.

See the business scenario documentation available in Solution Manager for more details on this business scenario.

4.3.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Demand Forecasting:



The following table lists the mandatory and optional software components for the technical implementation of Demand Forecasting:

Component	Mandatory	Optional
SAP DEMAND Management 6.4 SP11	X	
SAP ERP 6.0 EHP2	X	
SAP NETWEAVER 7.0		X
BI CONT 7.02		X
SAP NETWEAVER 7.0 (2004S) usage type PI/XI	X	
XI Content SAP ERP ENHANCE PACKAGE 2005.1	X	
XI Content SAP DEMAND FORECASTING 7.0	X	

4.3.3 Further Information

The following documents provide more information about Demand Forecasting:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.4 SAP Solutions for In-Store Merchandising

The business logic of the SAP solution for In-Store merchandising resides in the ERP system. Different user interfaces are built upon this logic and the following terms are used:

- SAP Retail Store (ITS)
- Mobile In-Store Inventory Management
- In-Store Merchandise and Inventory Management (In-Store MIM).

4.5 SAP Retail Store (ITS)

4.5.1 Overview

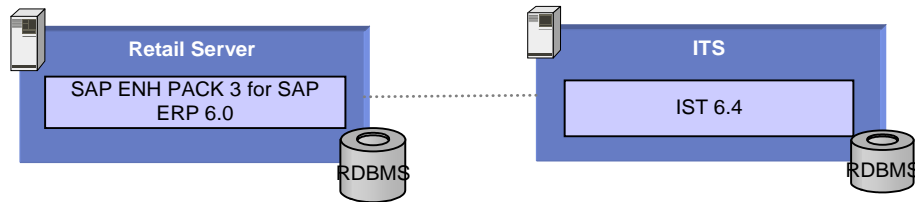
SAP Retail Store refers to the solution based on Internet Transaction Server (ITS). The last version was shipped with EHP3. There will be no further investment in this solution. SAP will continue to ship and support this solution. You can use this business scenario to map all the retailing processes in a retail store. This includes the processes required for the majority of a store's transactions, such as procurement, goods movement and sales postings, as well as processes for vendor, assortment and price management. There are also processes for physical inventory, product lookup, promotions and food services/catering.

The existing tools for handling store-oriented processes use an Internet-based user interface that is tailored specifically to meet the needs of stores. The interface combines the intuitive usability of a Web browser with the special store-based transactions of centralized retailing. As a result, even semi-skilled part-time staff can start working with the system quickly and effectively.

See the business scenario documentation available in Solution Manager for more details on this business scenario.

4.5.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for In-Store Merchandise and Inventory Management (ITS):



The following table lists the mandatory software components for the technical implementation of In-Store Merchandise and Inventory Management (ITS):

Component	Mandatory	Optional
SAP EHP 3 for SAP ERP 6.0	X	
ITS 6.4	X	

4.5.3 Further Information

The following documents provide more information about SAP Retail Store (ITS):

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.6 Mobile In-Store Inventory Management

4.6.1 Overview

Mobile In-Store Inventory Management refers to the mobile solution based on Mobile WebDynpro (Java) UI technology and was shipped with EHP2.

This is an online solution against ERP, the mobile version of SAP solution for In-Store Merchandising, and designed for classical mobile devices such as Symbol or Intermec. It will increase the productivity of store associates, giving them access to real-time functions and information during critical operational, sales, and service processes. It is delivered with SAP Merchandising for Retail, EHP2 and above.

- Real time and current Inventory Lookup
- Store to Store Transfer and Inventory Adjustment
- Receiving with and without Reference Document
- Planned and Unplanned Counting (Physical Inventory / Cycle Counting)

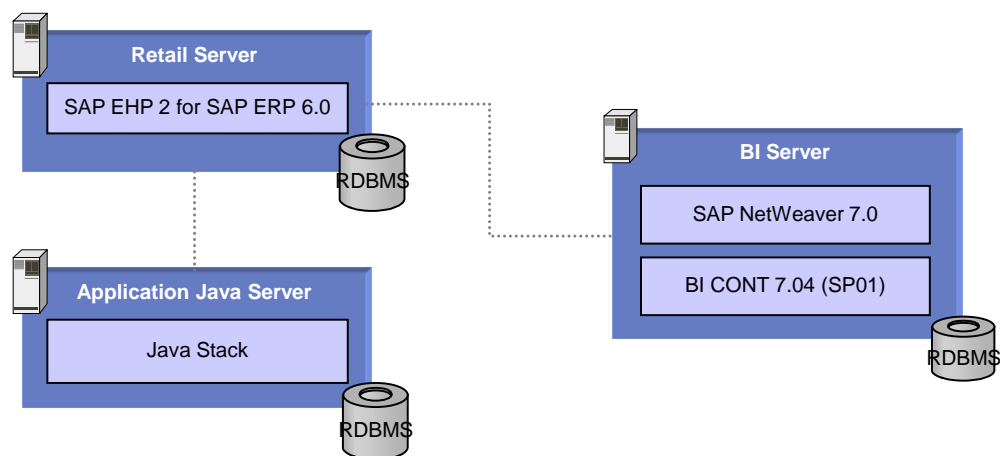
This solution supports data persistency to ensure there is no data loss in case the user leaves the wireless coverage range at the store. Besides the pocket browser on the devices, there is no footprint on the device at the store level.

The solution was tested with Symbol MC9090-K and Intermec CK61 mobile devices. The solution was also tested for Motorola MC75 within one of the implementation projects.

See the business scenario documentation available in Solution Manager for more details on this business scenario.

4.6.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Mobile In-Store Inventory Management.



The following table lists the mandatory software components for the technical implementation of Mobile In-Store Inventory Management:

Component	Mandatory	Optional
SAP EHP 2 for SAP 6.0	X	
SAP NetWeaver 7.0	X	
BI CONT 7.04 (SP01)		X
Application server with Java stack	X	

4.6.3 Further Information

The following documents provide more information about In-Store Merchandise and Inventory Management (Mobile):

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.7 In-Store Merchandise and Inventory Management (In-Store MIM)

4.7.1 Overview

In-Store Merchandise and Inventory Management (In-Store MIM) refers to the new store solution based on ABAP WebDynpro UI technology

In-Store MIM is the new SAP solution for In-Store merchandising. It provides the store associates in operations, sales, and service areas with a set of functions to save time, achieve customer and employee satisfaction, and prevent lost sales. It is an online solution designed for desktop and laptops. In-Store MIM is available with EHP4 and EHP5.

You can use the In-Store Merchandise and Inventory Management (In-Store MIM) business scenario to support comprehensive business functions for daily store business in the areas of sales, service, and operations. The content of In-Store MIM has been enhanced for Enhancement Package 5 (EA-RET 605).

In-Store MIM is designed especially for store users and is suitable for either desktop or laptop. The scenario operates online with an ERP system and the user interface content is based on Web Dynpro for ABAP UI technology. The content is delivered with NetWeaver Enterprise Portal and complies with the SAP user interface strategy. In-Store MIM is highly configurable and supports roles and a personalized work environment.

The new UI content supports the role In-Store Inventory and Merchandise Manager, which is available in the Business Package In-Store Merchandise and Inventory Manager. All of the supported functions are assigned to this standard role. You can define further roles, such as Store Associate or Department Supervisor, based on your needs.

You can log on with or without Single Sign On, with a user assigned to the standard role or with other users that you have defined in your environment. When you log on, a screen displays, consisting of the following:

- A first navigation level for In-Store MIM, which corresponds to your user role.
- Three second level navigation levels (tabs) for Overview, Reports, and Service Map.
- A menu bar (Work Center) on the left side of the screen that includes entries to start the functions and services mentioned below.

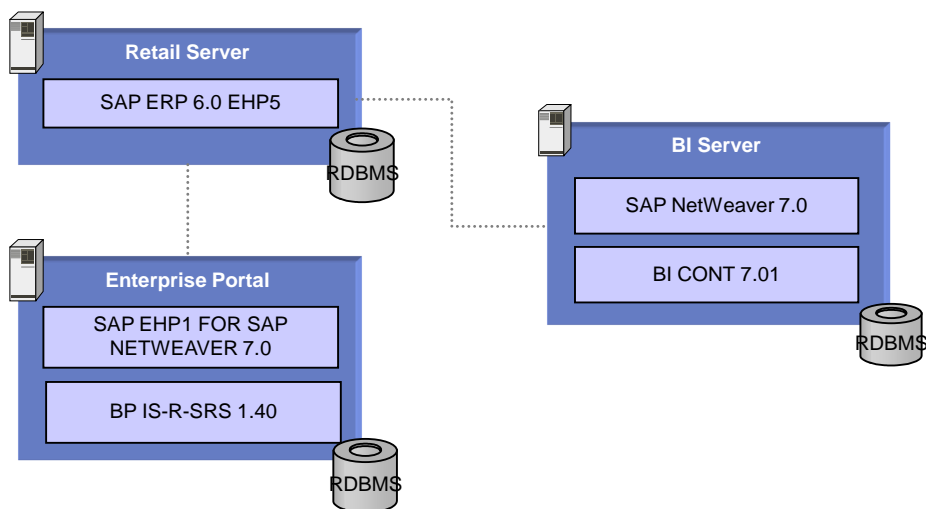
The applications start in a new window. Under the Overview tab, you can use the Change Site service to select a home store or change to a different store without having to log off and log on again in the solution.

Guided User Activity guides you through the business process in an easy and time-saving manner, making it an easy-to-learn and easy-to-train solution. You configure the business processes in the ERP system. You can configure the UI (for example, you can choose to hide or display fields) in the ABAP Web Dynpro environment. The system supports a three-level configuration to enable you to configure at different levels, such as centralized personalization.

See the business scenario documentation available in Solution Manager for more details on this business scenario.

4.7.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for In-Store Merchandise and Inventory Management (Web Dynpro).



The following table lists the mandatory and optional software components for the technical implementation of In-Store Merchandise and Inventory Management (Web Dynpro):

Component	Mandatory	Optional
SAP ERP 6.0 EHP5	X	
SAP EHP1 FOR SAP NETWEAVER 7.0	X	
SAP NetWeaver (usage type BI)	X	
BI CONT 7.01		X
BP IS-R-SRS 1.40	X	
TREX SAP NetWeaver 7.0		X

4.7.3 Further Information

The following documents provide more information about In-Store Merchandise and Inventory Management (Web Dynpro):

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.8 In-Store Workforce and Task Management

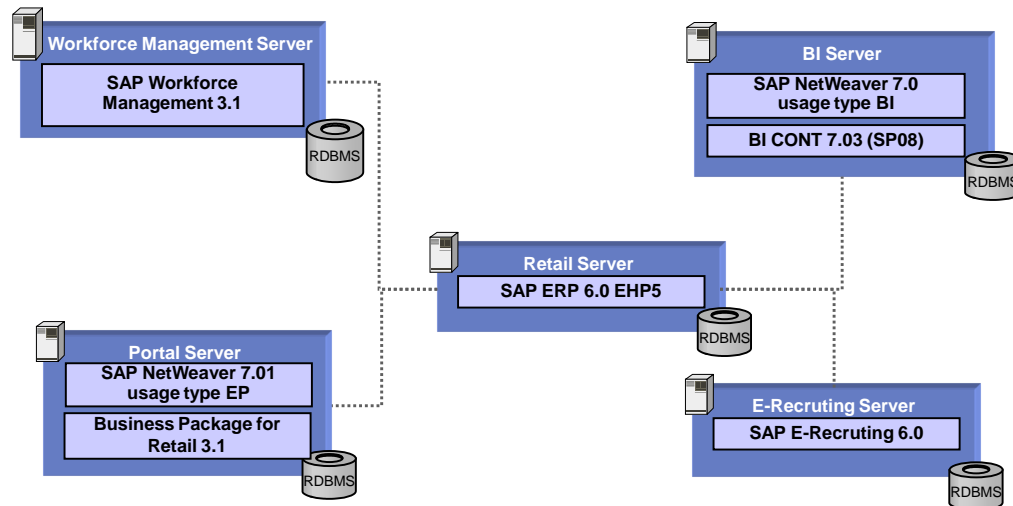
4.8.1 Overview

You use this business scenario to manage all aspects of staffing within the retail environment, including:

- Recruiting, hiring, and managing all phases of the talent management process
- Recording, updating, and reporting employee data as a basis for making informed personnel decisions
- Recording, managing, and evaluating internal and external employees' time management data.
- Planning, creating, and maintaining employee schedules

4.8.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for In-Store Workforce and Task Management:



The following table lists the mandatory and optional software components for the technical implementation of In-Store Workforce and Task Management:

Component	Mandatory	Optional
SAP NetWeaver 7.01 - EP Core with Portal Content (SAP NetWeaver - Enterprise Portal Core)	X	
SAP Workforce Management 3.1 (WFM Java)	X	
SAP WORKFORCE MANAGEMENT 3.1 (SAP Workforce Management – ABAP)	X	
SAP ERP 6.0 EHP5		X
SAP NetWeaver 7.0		X
BI CONT 7.03 (SP08)		X

4.8.3 Further Information

The following documents provide more information about In-Store Workforce and Task Management:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .

Document	Description
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.9 Item Management

4.9.1 Overview

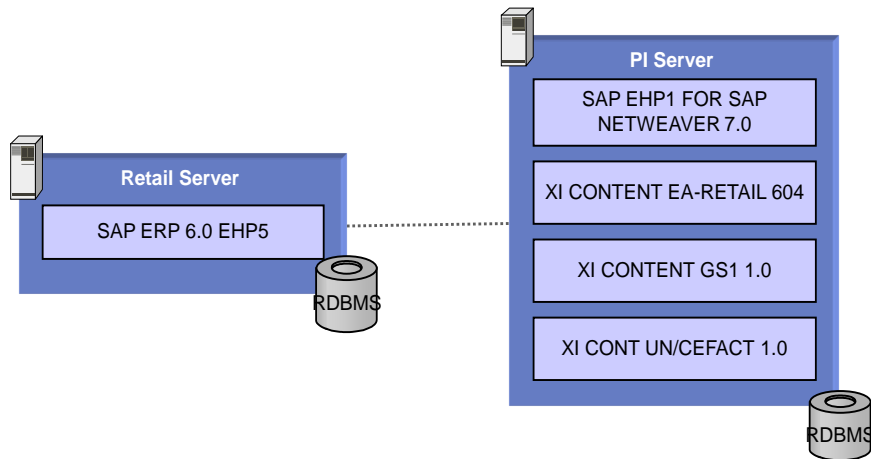
This business scenario supports various functions for creating and maintaining items with all business-related attributes needed in your company. It also includes all discontinuation-related functions to remove items from assortments.

The Item Management business scenario includes the following key business processes:

- Global Data Synchronization (PRICAT – Inbound)
 - This process provides import functions and mass adoption of item data based on the PRICAT (Price/Sales Catalogue Message) standard when the item data comes from either of the following sources:
 - External data pools
 - Suppliers in a peer-to-peer scenario
 - This step provides efficient maintenance, which is important to retailers because of high data volumes.
- Item Introduction
 - This process contains various functions for creating items with all business-related attributes needed in your company. This includes functions to create and change item data.

4.9.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Item Management



The following table lists the mandatory and optional software components for the technical implementation of Item Management:

Component	Mandatory	Optional
SAP ERP 6.0 EHP5	X	
SAP EHP1 FOR SAP NETWEAVER 7.0		X
XI Content EA-RETAIL 604		X
XI Content GS1 1.0		X
XI Content UN/CEFACT 1.0		X

4.9.3 Further Information

The following documents provide more information about Item Management:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.10 Markdown Management

4.10.1 Overview

You use this business scenario to plan, optimize, and manage markdown events. Markdowns can be used for a variety of reasons, including: discontinued products, seasonal products, new models and store closings.

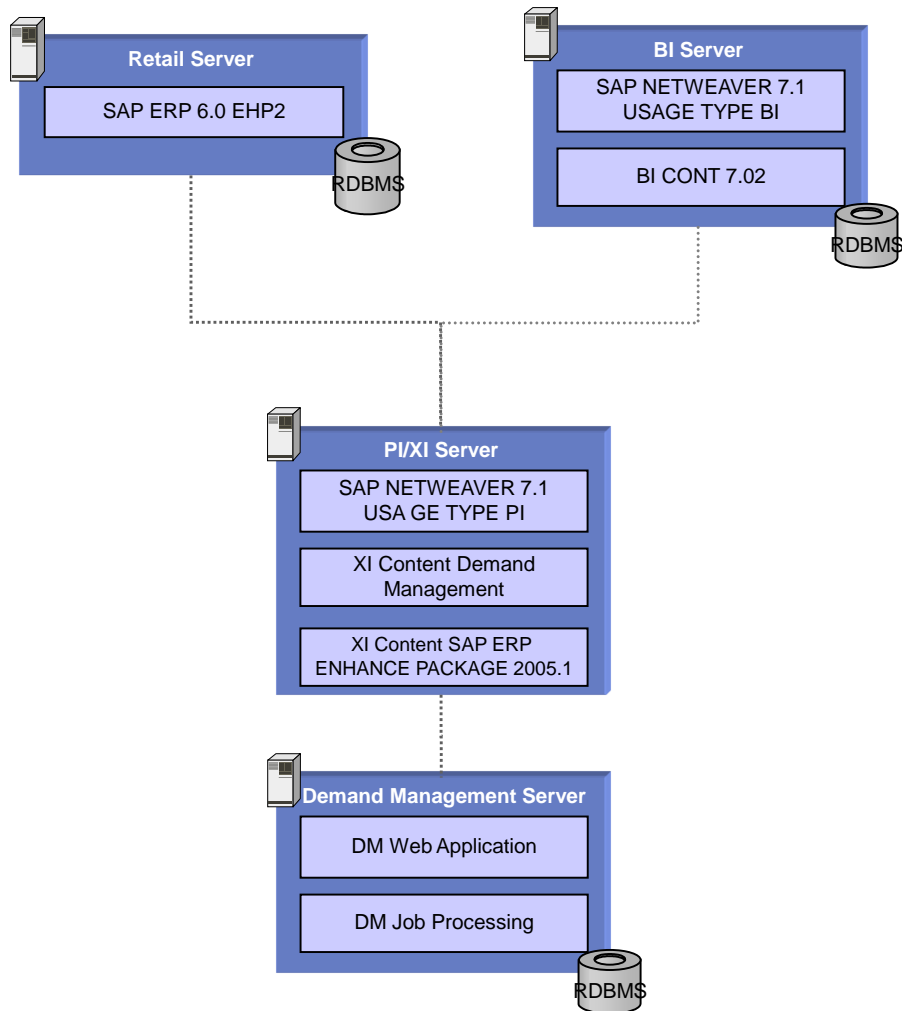
The result is a recommended markdown schedule for all product-locations, as well as report information that allows users to drill down into low level detail about all aspects of the markdowns.

In Slow Seller Management you plan markdowns (price reductions) for seasonal products. Using rule-based markdown controls, SAP BW automatically creates markdown proposals that provide analysis of sales data. Markdowns are proposed, and once accepted, are processed in the Price Planning Workbench in SAP Retail. If the retailer uses markdowns based on a predefined markdown schedule, the dates for the markdowns are defined beforehand and executed on those dates.

See the business scenario documentation available in Solution Manager for more details on this business scenario.

4.10.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Markdown Management:



The following table lists the mandatory and optional software components for the technical implementation of Markdown Management:

Component	Mandatory	Optional
SAP DM 6.4	X	
SAP ERP 6.0 EHP2	X	
SAP NETWEAVER 7.1 USAGE TYPE PI		X
SAP NETWEAVER 7.1 USAGE TYPE BI	X	

4.10.3 Further Information

The following documents provide more information about Markdown Management:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.11 Merchandise and Assortment Planning

4.11.1 Overview

Retailers can use this business scenario to implement integrated and complete planning within their company. You perform planning and reporting for all your business activities that involve assortments and merchandise. You can carry out key figure planning (sales, margin, inventory, OTB etc.) at different hierarchy levels (for example, company, store, goods areas) and you can transfer the key figures relevant for the operational processes (OTB, procurement parameters in quantity and value) to an executing system for operational purposes. In the operational system, these can then be used to control the operational processes (especially procurement).

Merchandise and assortment planning primarily deals with four main planning areas – strategic planning, merchandise planning, store planning, and assortment planning. Whereas in strategy planning, the parameters are defined for the entire company and possibly for individual distribution chains, store planning is concerned with detailed planning for the individual stores. In merchandise planning, you can carry out key figure planning at different levels of the article hierarchy. In assortment planning, objectives are defined at assortment level for the procurement process. This can take place at the level of the material hierarchy or at article, color, and/or dimension level. The individual planning steps are closely linked and must be reconciled with each other. Planning can be done either top-down or bottom-up. The planning steps can also be carried out in parallel with subsequent reconciliation at the highest level.

The scenario described below shows an example of how merchandise and assortment planning can be run in your company. You can run the scenario as integrated or non-integrated. In the described planning scenario, planning is based on the SAP BW planning tool Integrated Planning (IP) and the integration is with SAP ECC. You can also integrate a different retailing system. You have to program the appropriate inbound interfaces yourself, the appropriate standard outbound messages are available.

In the SAP BW Integrated Planning templates for SAP MAP, you use the standard forecast functionality. The new SAP MAP content focuses on preseason strategic, store, and merchandise planning, and differentiates between two sets of templates:

- RMA (Retail Method of Accounting) templates

- CMA (Cost Method of Accounting) templates

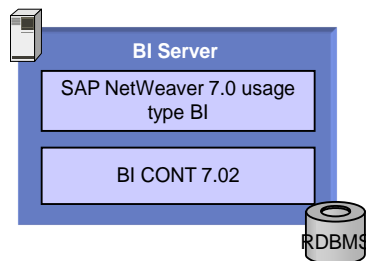
This is because RMA and CMA use different calculations for valuating a retailer’s inventory. The two different methods of accounting impact the measure set itself and how the measurements work.

Although you find the use of both methods in all segments of retail, RMA is most commonly used by fashion/softline retailers. RMA is practiced in many countries in the Americas and some countries in the Asia Pacific region, but it is rarely found in Europe due to legal restrictions.

See the business scenario documentation available in Solution Manager for more details on this business scenario.

4.11.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Merchandise and Assortment Planning:



The following table lists the mandatory software components for the technical implementation of Merchandise and Assortment Planning:

Component	Mandatory	Optional
SAP NetWeaver 7.0 usage type BI	X	
BI CONT 7.02	X	

4.11.3 Further Information

The following documents provide more information about Merchandise and Assortment Planning:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

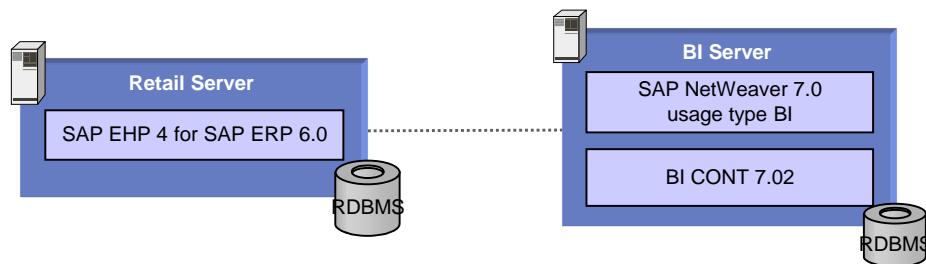
4.12 Merchandise and Assortment (Integrated)

4.12.1 Overview

Retailers can use this business scenario to implement integrated and complete planning within their company. Refer to the business scenario Merchandise and Assortment planning for more information.

4.12.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Merchandise and Assortment Planning (Integrated):



The following table lists the mandatory software components for the technical implementation of Merchandise and Assortment Planning (Integrated):

Component	Mandatory	Optional
SAP EHP 4 for SAP ERP 6.0	X	
SAP NetWeaver 7.0 usage type BI	X	
BI CONT 7.02	X	

4.12.3 Further Information

The following documents provide more information about Merchandise and Assortment Planning (Integrated):

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .

Document	Description
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.13 Multilevel Replenishment

4.13.1 Overview

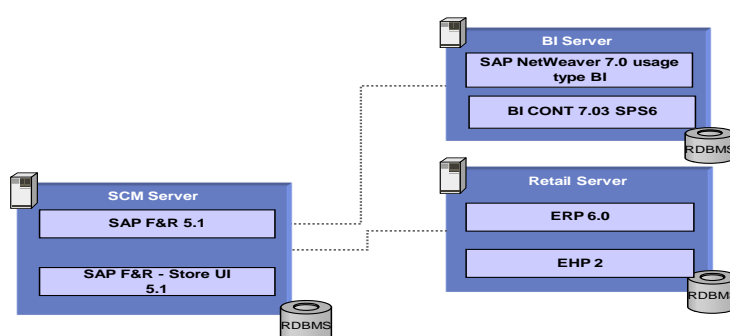
Using the Multilevel Replenishment business scenario, retail companies can optimize their internal logistics by improving the replenishment process. Multilevel Replenishment helps you avoid out of stock situations while also enabling you to reduce high reserves of stock. This equates to a significant potential for saving for the following reasons:

- Out of stock situations in distribution centers and stores lead to huge loss of sales
- Overstocks cause high capital lockup for retail companies.

The highly automated replenishment planning in stores and distribution centers reduces the large amount of manual processing that is currently required. You increase transparency in the supply chain using effective analyses.

4.13.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Multilevel Replenishment.



The following table (example for product version SAP F&R 5.1) lists the mandatory and optional product versions/software components for the technical implementation of Multilevel Replenishment:

Component	Mandatory	Optional
SAP SCM 2007	X	
SAP ERP 6.0 EHP2	X	

Component	Mandatory	Optional
SAP NetWeaver 7.0 usage type BI BI CONT 7.03 SPS 06	X	
SAP F&R 5.1 (FRP 4.1.0),	X	
SAP F&R 5.1 (SUI 5.1)		X

4.13.3 Further Information

The following documents provide more information about Multilevel Replenishment:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.14 Operational Buying

4.14.1 Overview

You can use this business scenario to support ordering within your retail organization. During general operational order processing, the system can automatically determine order requirements for your stores, distribution centers, and customers and convert these requirements to vendor orders. You can also choose to perform this process manually. Other scenario features for order processing include:

- Quantity rounding for order optimization
- Investment buying, where materials can be procured beyond the standard stock or current requirement when you expect a price increase from the vendor
- Load building for better utilization of transport capacities

This business scenario also features the following procurement processes that are primarily motivated from the push approach:

- Seasonal procurement where you have a fast, simple way to enter orders
- Plan-driven seasonal procurement where the generated purchase orders result from the planning results in operational assortment planning

These features include an integrated OTB check, scheduling, and subsequent monitoring of the calculated dates. You also have several workbenches available to simplify the use of these two push processes:

- Procurement Controlling Workbench
- Order Manager
- OTB Controlling Workbench
- OTB Procurement Workbench

The business scenario also provides functions for the following areas:

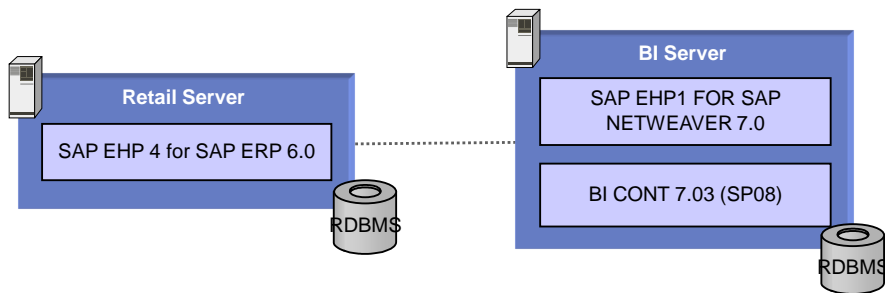
- A separate process to assist in the procurement of perishables (fruits and vegetables) based on a specialized work center for perishables procurement
- A cross-docking process for optimized logistical processing of merchandise distribution
- An invoice verification process

4.14.2 Technical System Landscape

4.14.3 Standard

The core purchasing processes as the general operational order processing, the invoice verification and further operational buying related processes represented the scope of the scenario of operational buying until SAP ERP 6.0 EHP4.

The following diagram provides an overview of a possible system landscape for Operational Buying (Standard).



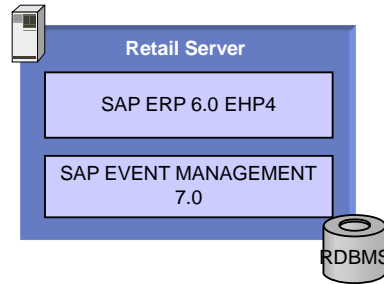
The following table lists the mandatory and optional software components for the technical implementation of Operational Buying (Standard):

Component	Mandatory	Optional
SAP EHP 4 for SAP ERP 6.0	X	
SAP EHP1 FOR SAP NETWEAVER 7.0		X
BI CONT 7.03 (SP08)		X

4.14.4 Seasonal Procurement:

With SAP ECC 6.0, a new process of operational buying was introduced in the scenario of Operational Buying. This process with its process variants covers the Seasonal Procurement. Seasonal Procurement was enhanced by smaller features with SAP Enhancement Package 2.

The following diagram provides an overview of a possible system landscape for Operational Buying (Seasonal Procurement):



The following table lists the mandatory software components for the technical implementation of Operational Buying (Seasonal Procurement):

Component	Mandatory	Optional
SAP ERP 6.0 EHP4	X	
SAP EHP 4 for SAP ERP 6.0		X
SAP NetWeaver 7.0 EHP1		X

The following table lists the mandatory software components for the technical implementation of Operational Buying (Perishables Procurement):

Component	Mandatory	Optional
SAP EHP 4 for SAP 6.0	X	
SAP NetWeaver 2004s usage type BI	X	
BI CONT 7.03 (SP08)		X
SAP NetWeaver 7.0 EHP1 – Enterprise Portal	X	

With SAP EHP5 for SAP ERP 6.0 it is no longer mandatory to use SAP NetWeaver Portal for role based access. You can use SAP NetWeaver Business Client as frontend and consume the roles SAP_SR_PERISHABLES_BUYER_5 und SAP_SR_PERISHABLES_BUY_MAN_5 directly from the backend (TA PFCG).

4.14.6 Further Information

The following documents provide more information about Operational Buying:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.15 Payment Card Processing

4.15.1 Overview

The Payment Card Processing business scenario enables retailers to effectively control and manage financial message processing for authorization requests and responses to financial service providers at the customer point of interaction. In addition to providing a very high throughput, low latency switch for authorizations, this scenario provides metrics and reporting capabilities.

The modular architecture provides the utmost in flexibility allowing a change of service providers with no impact to the store systems. The solution includes a published interface allowing other points of interaction to leverage the capabilities provided.

Benefits include reduced operating costs and increased speed and efficiency.

4.15.2 Further Information

The following documents provide more information about Payment Card Processing:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP

Document		Description
		Solution Manager, see service.sap.com/solutionmanager .
	Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .	

4.16 POS

4.16.1 Overview

The POS business scenario is used to sell products and services in a retail (bricks and mortar) store.

The POS business scenario is a client/server point-of-sale (POS) solution that meets a wide variety of business needs specific to the retail environment. Through extensive functionality, and flexible business rules definition processes, you can use POS to define and manage store retail business activities. POS business users include large department or big box stores, convenience stores, and specialty retailers such as liquor, and apparel, as well as other retail verticals.

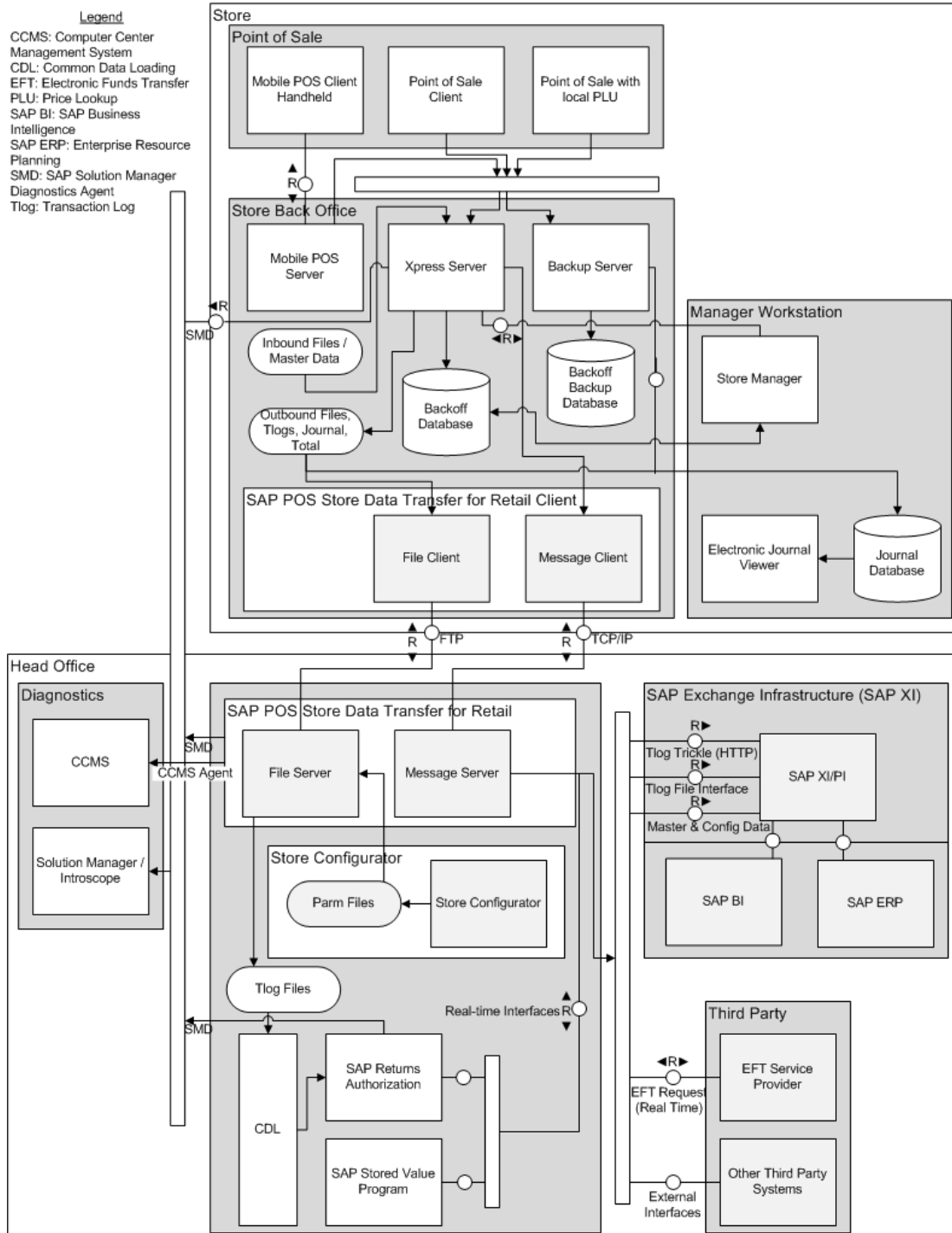
The POS business scenario also supports in-store back office functions that enable store-level management and reporting.

POS provides retailers with the following benefits:

- Improves customer service by:
 - Providing defined business rules
 - Improving customer retention and loyalty
- Reduces operating costs and increases efficiency by:
 - Ensuring more effective sales execution
 - Reducing training costs
- Improves service delivery by:
 - Enabling 24x7 customer service
 - Providing personalized customer interaction

4.16.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for POS (Standard) and an overview of a possible system landscape for POS (Integrated):



The following table lists the mandatory and optional software components for the technical implementation of POS (Standard):

Component	Mandatory	Optional
<p>SAP POS 2.3 Head Office installation option</p> <p>Installation guide is available at the following path: http://service.sap.com/instguides then <i>Industry Solutions</i> → <i>Industry Solution Guides</i> → <i>SAP for Retail</i> → <i>SAP Point-of-Sale</i> → <i>SAP POS 2.3</i>.</p>	Store Configurator 10.3	Database Tools Software Development Kit
<p>SAP POS 2.3 Store installation option</p>	Xpress Server Database 10.3 Xpress Server 10.3	Electronic Journal Viewer Database Electronic Journal Viewer Database Tools SAP POS Store Data Transfer for Retail Client – In-Store Client
	Point-of-Sale Client 10.3	
		Mobile Point-of-Sale Client 10.3
	Store Manager 10.3 (Can be installed on a single machine but must connect to the Xpress Server)	
<p>SAP POS 2.3 – Returns Authorization 2.7</p> <p>Installation guide is available at the following path: http://service.sap.com/instguides then <i>Industry Solutions</i> → <i>Industry Solution Guides</i> → <i>SAP for Retail</i> → <i>SAP Point-of-Sale</i> → <i>SAP Returns Authorization</i>.</p>		X Requires SAP POS Store Data Transfer for Retail Corporate server
<p>SAP POS 2.3 – Stored Value Program 1.0</p> <p>Installation guide is available at the following path: http://service.sap.com/instguides then <i>Industry Solutions</i> → <i>Industry Solution Guides</i> → <i>SAP for Retail</i> → <i>SAP Point-of-Sale</i> → <i>SAP Stored Value Program</i>.</p>		X Requires SAP POS Store Data Transfer for Retail Corporate server

SAP POS 2.3 – SAP POS Store Data Transfer for Retail V1.10 which consists of the following functional components:

- Message transfer server (SAP POS Store Data Transfer for Retail)
- File transfer server (CFTS)

Installation guide is available at the following path: <http://service.sap.com/instguides> then *Industry Solutions* → *Industry Solution Guides* → *SAP for Retail* → *SAP Point-of-Sale* → *SAP POS 2.3*. The installation process provides the following options:

Component	Mandatory	Optional
Corporate Server installation option.	Relevant for both SAP POS Store Data Transfer for Retail and CFTS . Installs both the message transfer server (SAP POS Store Data Transfer for Retail) and the file transfer server (CFTS).	
File Transfer Server installation option	Relevant only for CFTS . Installs only the file transfer server.	
In-Store Server installation option	Relevant only for SAP POS Store Data Transfer for Retail . Installs the store server. This does not use the corporate server to dial out for authorization. It dials out directly to the payment processor.	
In-Store Client installation option	Relevant for both SAP POS Store Data Transfer for Retail and CFTS . Installs the in-store client (requires the Corporate Server).	

The following table lists the mandatory and optional software components for the technical implementation of POS (integrated):

Component	Mandatory	Optional
SAP POS 2.3 with all the installable pieces described in the POS (Standard) section	X	
SAP EHP5 for SAP ERP6.0	X	
SAP EHP1 for SAP NetWeaver 7.0 (PI/XI)	X	
SAP NetWeaver 7.0 (BI)	X	
SAP POS 2.3 – Returns Authorization 2.7		X
SAP POS 2.3 – Stored Value Program 1.0		X

Component	Mandatory	Optional
SAP POS 2.3 – SAP POS Store Data Transfer for Retail 1.10	X	

4.16.3 Further Information

The following documents provide more information about POS (Standard) and POS (Integrated):

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.17 Promotion Management

4.17.1 Overview

You use this scenario to plan and execute retail promotional activities. The scenario offers a set of processes and tools which enable the retailer to:

- Issue promotional offers
- Plan and manage the different ways offers can be delivered to a customer (for example, by advertising flyer or newspaper)
- Simulate financial performance and analyze whether it meets financial and competitive objectives
- Develop future activities for upcoming planning periods based on financial and competitive goals

As the scenario provides all participants in the promotions process with a single, up-to-date set of data points, it enables a comprehensive view and status of all promotional events and promotional offers throughout the retail operation.

This single view promotes collaboration between merchandising, marketing, advertising, inventory replenishment and store operations within a retailer. It ensures that the information is consistent throughout the planning and execution processes between these groups.

From a planning perspective it also reduces the number of tactical tasks each group must perform such as:

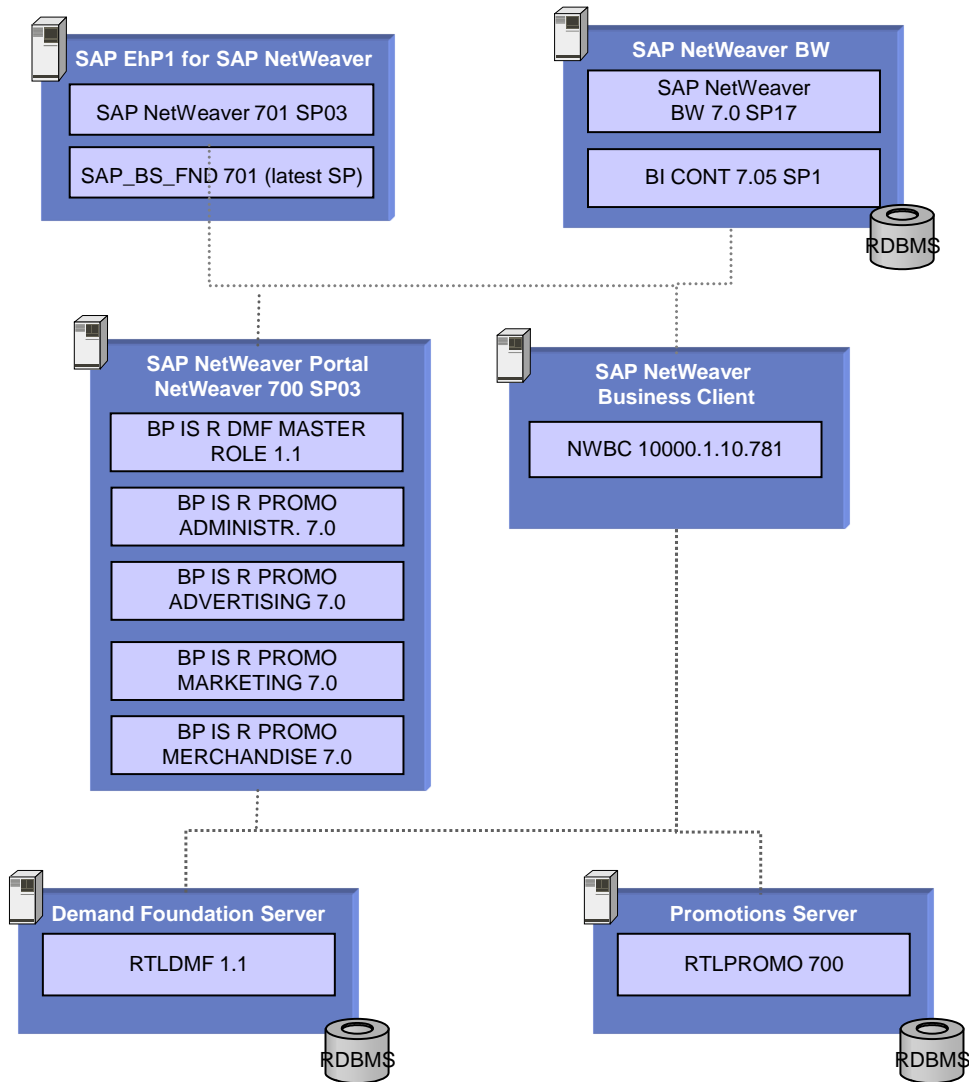
- Providing iterative support for the strategic annual (or semi-annual) planning process
- Reducing communications between merchandising and advertising with regards to promotional content
- Ensuring that pricing is consistent from the merchandising group through to store operations

- Providing adequate visibility for inventory during promotional events, thus ensuring proper inventory levels during the promotions

See the business scenario documentation available in Solution Manager for more details on this business scenario.

4.17.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Promotion Management:



The following table lists the mandatory and optional software components for the technical implementation of Promotion Management:

Component	Mandatory	Optional
SAP EhP1 for SAP NetWeaver 7.0 SP03 with component SAP_BS_FND 701 (latest SP)	X	
Demand Foundation Server RTLDMF 1.1	X	
Promotions Serve RTLPROMO 700	X	
NetWeaver Business Client: NWBC 10000.1.10.781	X	
SAP NetWeaver Portal 700 SP03		X
Portal Content: BP IS R DMF MASTER ROLE 1.1 BP IS R PROMO ADMINISTR. 7.0 BP IS R PROMO ADVERTISING 7.0 BP IS R PROMO MARKETING 7.0 BP IS R PROMO MERCHANDISE 7.0		X
SAP NetWeaver BW 7.0 SP17 (with BI CONT 7.05 SP01)		X

4.17.3 Further Information

The following documents provide more information about Promotion Management:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.18 Requirements Planning and Replenishment

4.18.1 Overview

You can use this business scenario to ensure that goods are available when recipients (stores or customers) and consumers require them. To do this, you must procure requirement quantities on time. This involves the following activities:

- Monitoring stocks
- Taking account of recipients' sales and purchase orders
- Creating forecasts
- Calculating requirement quantities
- Creating follow-on documents for procurement

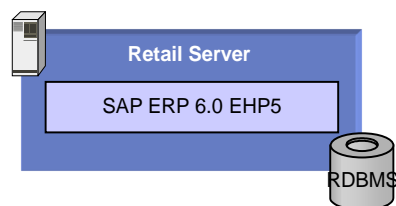
The stock planner defines the suitable forecast, requirements planning, and lot-sizing procedures for each article.

You can use the scenario to map the following processes:

- Direct delivery
The vendor delivers the goods direct to the recipient. The purchase order can be placed either by the recipient or the distribution center in this case.
- Delivery via a distribution center
You can use this process to plan the supply of merchandise to stores via a distribution center. Your vendor delivers to a distribution center that in turn supplies the merchandise to the stores.

4.18.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Requirements Planning and Replenishment:



The following table lists the mandatory software components for the technical implementation of Requirements Planning and Replenishment:

Component	Mandatory	Optional
SAP ERP 6.0 EHP5	X	

4.18.3 Further Information

The following documents provide more information about Requirements Planning and Replenishment:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.19 Retail Price Management

4.19.1 Overview

You can use this business scenario to manage all aspects of retail price management, such as retail price optimization, retail price file creation, product and zone selection, strategy definition, and forecasting. You can use this scenario to analyze the results at summary and detail level and make user overrides to further refine your pricing strategy.

The result is a retail pricing event with optimized prices at a product and zone level that can be sent to the customer's ERP system or to a pricing system that can be implemented in the store.

In this business scenario, you can model all the processes for managing sales prices within your value chain. In particular, this involves calculating the sales prices for the articles you sell in the sales-related organizational units, such as distribution chain and store.

You calculate the sales prices in SAP Retail. Depending on which pricing procedure you use, you first define pricing-relevant parameters such as planned markups, competitor prices, and price families. Three pricing applications are available:

- Sales Price Calculation
- Market Basket Calculation
- Retail Price Planning

Each pricing application is focused on different requirements in retailing. The sales prices calculated during costing are saved as conditions in SAP Retail.

The Retail Price Planning application in the Price Planning Workbench is an independent process, due to its release procedure and automatic follow-on processing steps for price plans. From a functional perspective, this process represents an enhancement of sales price calculation.

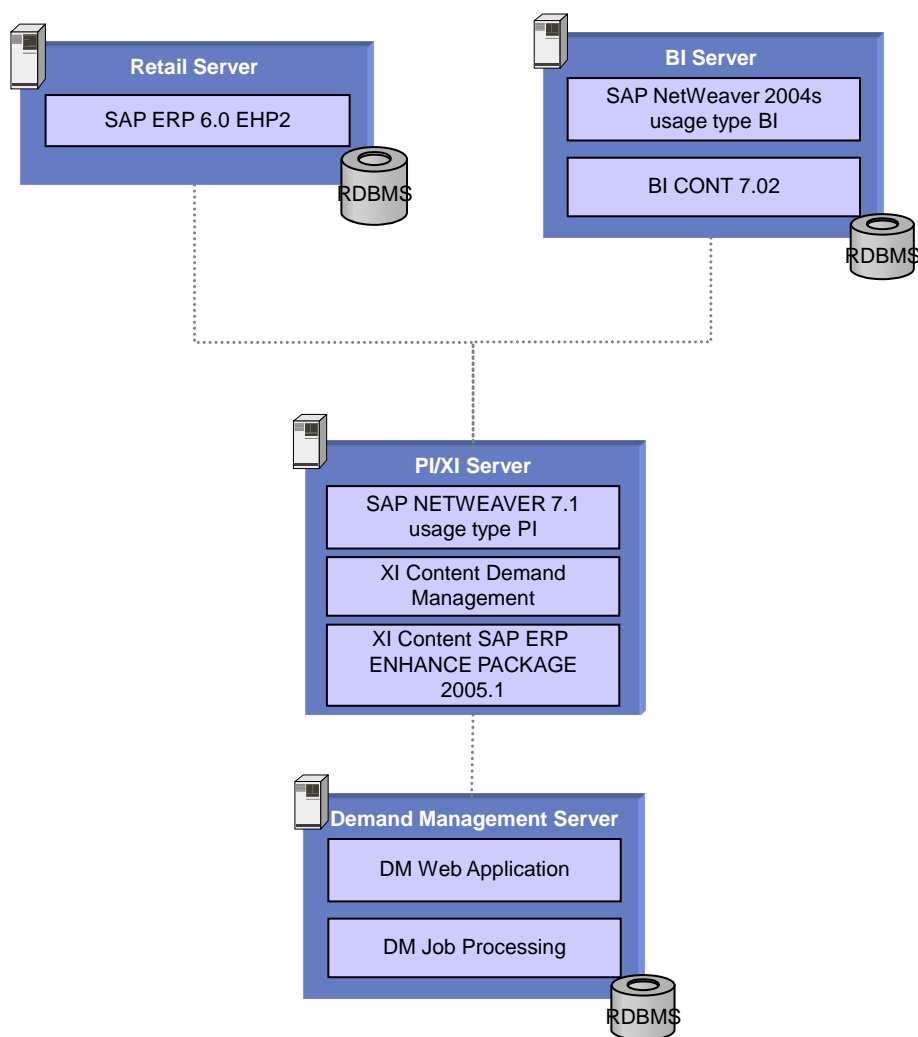
In Slow Seller Management, you plan markdowns (price reductions) for seasonal articles or fashion merchandise. In rule-based markdown control, you define planning parameters in SAP BI to automatically create markdown proposals. The system uses these proposals to analyze the sales data. You process these markdown proposals

further in the Price Planning Workbench in SAP Retail. When you plan based on a markdown plan, you define the dates for the markdowns beforehand.

For more information on this business scenario, see to the business scenario documentation available within Solution Manager.

4.19.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Retail Price Management:



The following table lists the mandatory and optional software components for the technical implementation of Retail Price Management:

Component	Mandatory	Optional
SAP DM 6.4 SP11	X	
SAP ERP 6.0 EHP2	X	
SAP NETWEAVER 7.1, usage type PI/XI	X	
SAP NETWEAVER 7.1, usage type BI	X	
BI CONT 7.02	X	

4.19.3 Further Information

The following documents provide more information about Retail Price Management:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.20 Returns Authorization

4.20.1 Overview

You can use this Returns Authorization business scenario for returns authorization and management, critical processes necessary to improve margins, reduce fraud, and improve customer service. This scenario quickly and effectively links returns or exchanges to original purchases and validates the authenticity of the transaction.

At the heart of the scenario is a database containing sale and return transactions, pricing history, and underlying business rules. Business processes within the scenario verify return requests initiated at point of sale (POS) terminals in real time and generate return approvals or referrals. This scenario can provide the following significant benefits to retailers:

- Reduced operating costs and increased efficiency, by:
 - Reducing error rates by using automated processes
 - Reducing transaction costs

- Increased speed and efficiency, by:
 - Providing accurate and up-to-date information to speed decision making
 - Improving quality and accuracy

4.20.2 Further Information

The following documents provide more information about Returns Authorization:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.21 Store and Customer Analytics

4.21.1 Overview

You can use this business scenario to perform numerous analyses for controlling and monitoring the retailing processes in your store. Evaluations are available for the area of merchandise analysis, starting with evaluations for store controlling to analyze the cost and revenue situation of your store. In addition to stock analyses, these also include evaluations on the flow of goods and markdowns. You can create analyses of warehouse stocks on a monthly basis, taking account of goods movements, price changes and markdowns.

As part of customer sales analysis (consisting of customer analysis, sales analysis and Top 100 analysis), you can systematically prepare the sales promoting area and support sales in a targeted way for improved revenue and sales control. You can evaluate the logistical processing and sale of promotional merchandise using the promotion analysis, identify the benefit of a promotion and cover the sales margins of specific promotional articles (promotion analysis). POS data analysis can be used for prompt sales evaluation of cash register data at store and article level. POS data analysis includes the following components:

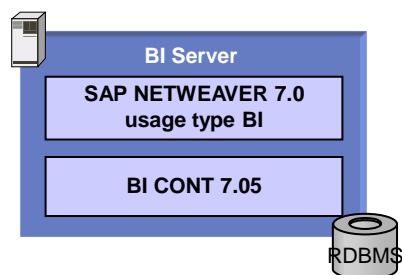
- Analysis of customer needs and behavior (for example, customer returns/complaints)
- Effective evaluation of key store figures
- High data quality and performance when processing mass data using the latest technology
- Increase in profitability through near-time controlling of retail processes

This package is extended to include analyses for fraud detection. It provides tips to internal reviewers on introducing countermeasures to reduce or prevent any instances of fraud in the cash register area.

For more information on this business scenario, see to the business scenario documentation available within Solution Manager.

4.21.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Store and Customer Analytics.



The following table lists the mandatory software components for the technical implementation of Store and Customer Analytics:

Component	Mandatory	Optional
SAP NETWEAVER 7.0 usage type BI	X	
BI CONT 7.05	X	

4.21.3 Further Information

The following documents provide more information about Store and Customer Analytics:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.22 Store Connectivity

4.22.1 Overview

You can use this business scenario to connect and integrate point of sale (POS) systems to the SAP for Retail solution merchandise applications.

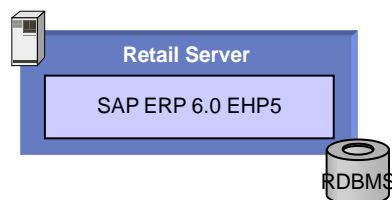
The POS data download from ERP Retail generates outbound messages to supply data to the point of sale. These messages are sent using IDoc enterprise service technology. Messages are supporting download of:

- Master data (product and price related information, e.g. promotions and bonus buys)
- Inventory data (for example, count lists for physical inventory)
- During the POS data upload, the SAP Retail solution receives the following data from the stores:
- Sales and returns transactions
- Cancellation transactions
- Financial transactions
- Goods movements
- Totals records
- Control transactions

The transaction data from the POS systems form the basis for the main retail processes, such as store replenishment, sales analyses, promotion analyses, and profit and loss statement. Due to its volume and high level of detail, managing this data is one of the major challenges to a retailer's IT landscape. You can optionally use POS Data Management as a single point of entry for POS sales transactions supporting a systematic validation, cleansing and aggregation of data. Additionally SAP POS along with the pre-defined XI Content for integration with ERP Retail and POS DM can support a complete end-to-end Store Connectivity scenario from SAP.

4.22.2 Technical System Landscape

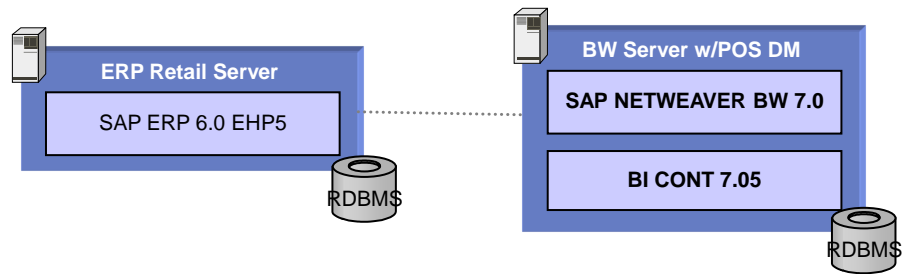
The following diagram provides an overview of a possible system landscape for Store Connectivity (Standard).



The following table lists the mandatory software components for the technical implementation of Store Connectivity (basic realization only with SAP ERP Retail):

Component	Mandatory	Optional
SAP ERP 6.0 EHP5	X	

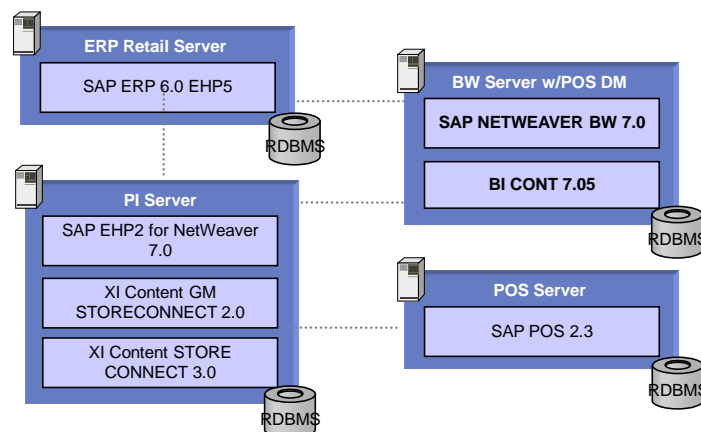
The following diagram provides an overview of a possible system landscape for Store Connectivity (realization with SAP ERP Retail and SAP POS Data Management):



The following table lists the mandatory software components for the technical implementation of Store Connectivity (standard realization with SAP ERP Retail and SAP POS Data Management):

Component	Mandatory	Optional
SAP ERP 6.0 EHP5	X	
SAP NETWEAVER BW 7.0	X	
SAP NW BI CONTENT 7.05 Add-On	X	

The following diagram provides an overview of a possible system landscape for Store Connectivity (realization with SAP ERP Retail and SAP POS DM, SAP NetWeaver PI and SAP POS):



The following table lists the mandatory software components for the technical implementation of Store Connectivity (integrated realization with SAP ERP Retail and SAP POS DM, SAP NetWeaver PI and SAP POS):

Component	Mandatory	Optional
SAP ERP 6.0 EHP5	X	
SAP NETWEAVER BW 7.0	X	
SAP NW BI CONTENT 7.05 Add-On	X	
SAP EHP2 for SAP NetWeaver 7.0	X	
XI Content STORE CONNECT 3.0	X	
XI Content GM STORECONNECT 2.0	X	
SAP POS 2.3	X	

4.22.3 Further Information

The following documents provide more information about Store Connectivity:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

4.23 Warehouse and DC Management

4.23.1 Overview

You can use this business scenario to manage your retail warehouse and distribution center operations. These operations vary among retail segments based on such product characteristics as product flows, velocity, goods handling equipment used, picking strategies, and required value added services. For example:

- Grocery and hard goods facilities tend to deal more with products in pallets and cases. Grocery adds the complexity of operations requiring multiple temperature zones and short shelf life products.
- Fashion or soft goods introduce garments on hangers (GOH) and a higher amount of value added services.
- Specialty, health and beauty care (HBC) segments tend to have more broken case or piece picking operations.

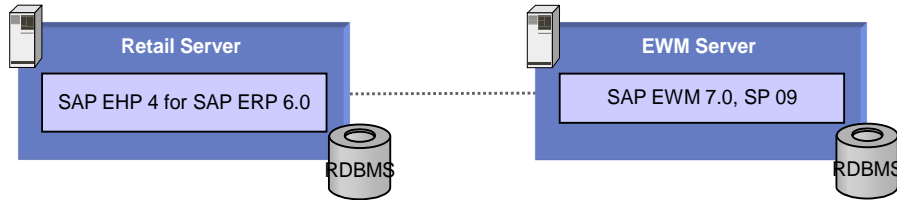
The scenario is designed to operate in a decentralized system architecture, which offers the maximum performance and flexibility required within the retail industry. The processes available in this scenario are tailored to retail organizations with the following characteristics:

- High SKU and line item volumes
- Very fast moving products
- Complex cross-docking or picking requirements
- Detailed packaging and shipping processes
- Third party logistic services (3PL) on the inbound side, outbound side, or both

See the business scenario documentation available in Solution Manager for more details on this business scenario.

4.23.2 Technical System Landscape

The following diagram provides an overview of a possible system landscape for Store Warehouse and DC Management:



The following table lists the mandatory and optional software components for the technical implementation of Warehouse and DC Management:

Component	Mandatory	Optional
SAP EHP 4 for SAP ERP 6.0	X	
SAP EWM 7.0, SP 09	X	

4.23.3 Further Information

The following documents provide more information about Warehouse and DC Management:

Document	Description
Scenario Description	The scenario description is part of SAP Solution Manager. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Configuration Documentation	The configuration documentation is part of SAP Solution Manager implementation content ST-ICO 150. For more information about SAP Solution Manager, see service.sap.com/solutionmanager .
Security Guide	For more information, see service.sap.com/securityguide → <i>Industry Solutions</i> → <i>SAP Retail</i> → <i>SAP Point-of-Sale</i> .

5 Appendix

5.1 Tools and Resources for Planning Your System Landscape

To plan your system landscape, you can use a few tools and resources that are available to you as SAP customer.

5.1.1 Tools

On SAP Service Marketplace, we provide some tools that allow you to look up more detailed information about business scenarios, and business processes. Tools for looking up information about business processes and scenarios include the following:

Tool	Purpose
Business process repository (BPR) viewer	To look up descriptions of business scenarios, business processes
Scenario and process component list	To look up the required components and releases for a business scenario or business process

In addition, there are tools in SAP Solution Manager that support you before, during, or after the installation of your SAP product or SAP enhancement package. Tools for supporting installations and upgrades include:

Tool	Purpose
Solution Manager System Landscape	To model and set up your system landscape
SAP Solution Manager Maintenance Optimizer	To install support packages and SAP enhancement packages
Business process repository	To access configuration documentation, links to Customizing activities and master data transactions, specifically tailored for individual business processes or business scenarios
Business process change analyzer (available with SAP enhancement package 1 for SAP Solution Manager 7.0)	To analyze the effects of transports and support packages as well as activation logs for business functions

Note

As of SAP Solution Manager 7.0 with support package 23, these tools have been enhanced to provide a better support for the setup of your system landscape and for installing and activating business functions. For more information, see SAP Library for SAP Solution Manager on SAP Help Portal at <http://help.sap.com> under SAP Solution Manager.

5.1.2 SAP Solution Manager: Implementation Content

To get implementation content that supports you during the configuration of your business processes, and business scenarios, you need the SAP Solution Manager add-on Implementation Content ST-ICO 155 L022 (SP25).

5.1.3 System Landscape Guide

To get an overview of the necessary steps for planning a system landscape, use the System Landscape Guide on SAP Service Marketplace at <http://service.sap.com/instguides> under SAP Business Suite Applications . The guide also provides you with more information about the following:

- Examples of reference system landscapes
- Planning tools such as the business process repository
- Deployment options
- Typical implementation process

5.2 Business Process Repository (BPR) Viewer

The business process repository viewer (BPR viewer) is a tool on SAP Service Marketplace that allows you to preview the existing business scenarios, and business processes that are shipped as part of SAP Solution Manager content. You can make use of the information in SAP Solution Manager during your implementation project by taking the pre-delivered implementation content as the starting point for your project scope. The implementation content is delivered with the following assigned information:

- Description of the business scenario, or process
- Configuration content (Customizing activities or configuration documentation)

5.3 Using the BPR Viewer

5.3.1 Calling Up the BPR Viewer

You can call up the BPR viewer directly using the Internet address <https://implementationcontent.sap.com/bpr>. Alternatively, you can also call up the Internet address <http://service.sap.com/bpr> first, to see more background information about the BPR viewer and additional material on SAP Service Marketplace.

5.3.2 Working with the BPR Viewer

To call up information about business scenarios, or business processes, navigate the following paths in the BPR viewer:

BPR Object	Location
Business scenario	Under Solutions/Applications
Business process	Under Organizational Areas

For each business scenario, or business process, you can select between different versions that depend on varying components and releases. To display the descriptions of a business scenario, or business process, choose the Documentation tab page. To display configuration documentation, choose the Configuration tab page.

Note

The BPR Viewer displays all descriptions, but only a selection of the configuration documentation. To view all configuration documentation, install and use SAP Solution Manager at your customer site.

5.4 Scenario and Process Component List

The scenario and process component list (SCL/PCL) is a tool on the SAP Service Marketplace that allows you to find realization alternatives for SAP solutions, business scenarios, and processes for your SAP enhancement package installation. You find the tool at <http://service.sap.com/scl>.

The SCL/PCL helps you to bridge the gap between the business view and the technical view in SAP's products. It shows you which application components are needed to realize a business scenario or a process and which business scenarios are possible with a given set of application components.

5.5 Using the SCL/PCL

5.5.1 Procedure

1. Go to SAP Service Marketplace at <http://service.sap.com/scl>.
2. To start the SCL/PCL, choose Start Application.

The following selection options are provided:

- SAP Scenarios and Realization Alternatives

With this option you can browse SAP's solutions, business scenarios, and processes. You can find out which components are needed and the available alternatives.

- SAP Components and Possible Scenarios

This option allows you to browse SAP's products and components and to find out, which business scenarios and processes you can realize using the components.

For more information on how to use the tool, refer to the Help section.

3. Select SAP Scenarios and Realization Alternatives.

Select one or several scenarios, processes, and variants you want to realize. You can make your selection by using an alphabetical index or a full-text search. It is also possible to see all scenarios for a certain solution. You will then get a list of the alternative ways to realize these scenarios. You can also search for the identified business functions of a SAP enhancement package.

In the following steps we chose the scenario Billing Analysis in ERP as an example.

4. Add the scenario Billing Analysis in ERP to the Selected Scenarios/Processes/Variants list and choose Show Realization Alternatives. The SCL/PCL then lists the different possibilities. With options like Validity you can switch between possible and impossible realization alternatives. The Optional Comp. dropdown list helps you to find the minimum required SAP product versions.

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