IBM

What's New in IBM WebSphere Commerce, 5.4

Version 5.4

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> **Note!**
>
> Before using this information and the product it supports, be sure to read the general information in the Notices section.

Contents

Chapter 1. Introduction

This document describes new features and changes found in WebSphere Commerce 5.4. Intended for users experienced with previous versions of either WebSphere Commerce Suite, or WebSphere Commerce Business Edition, *What's New* is designed as a quick reference to new features in this release.

In this document, both WebSphere Commerce Business Edition and WebSphere Commerce Professional Edition are also referred to as *WebSphere Commerce*. Where differentiation is required, images denote the information specific to a particular edition or platform.

For information and instructions on migrating to WebSphere Commerce Business Edition 5.4 from a previous version of WebSphere Commerce Suite, refer to the *Migration Guide* available from one of the following Web sites:

```
www.software.ibm.com/software/webservers/commerce/wc_pe/lit-tech-
general.html www.software.ibm.com/software/webservers/commerce/wc_be/lit-
tech-general.html
```

Chapter 2. Product offerings

WebSphere Commerce Business Edition 5.4 is available on the Windows NT and Windows 2000 platforms, as well as AIX, Linux, the Solaris Operating environment, and OS/400 for iSeries.

- WebSphere Commerce Components
    - WebSphere Commerce Server
    - WebSphere Commerce Accelerator
    - WebSphere Catalog Manager
    - WebSphere Commerce Administration Console
    - Product Advisor
    - Blaze Rules Server and Blaze Innovator Runtime
- IBM DB2 Universal Database 7.1.0.55 (▶ 400 not included for OS/400. Refer to the *WebSphere Commerce Installation Guide for iSeries* for details)
- IBM DB2 Extenders 7.1 (▶ 400 not supported for OS/400)
- IBM HTTP Server 1.3.19.1 (▶ 400 not included for OS/400. Refer to the *WebSphere Commerce Installation Guide for iSeries* for details)
- WebSphere Application Server 4.0.2, Advanced Edition
- ▶ Windows IBM Developer Kit, Java Technology Edition 1.3 SR10w
- ▶ AIX IBM Developer Kit, Java Technology Edition 1.3 SR10 (build ca130-20010925)
- ▶ Linux IBM Developer Kit, Java Technology Edition 1.3 SR10w
- ▶ Solaris Java(TM) 2 SDK, Enterprise Edition 1.3.1.04
- ▶ 400 IBM Developer Kit, Java Technology Edition 1.3.1
- IBM WebSphere Payment Manager 3.1.2, which includes:
    - Payment Manager Cassette for SET(TM) 3.1.2 (▶ Linux Not included for Linux.)
    - Payment Manager Cassette for CyberCash 3.1.2
    - Payment Manager Cassette for VisaNet 3.1.2
    - Payment Manager Cassette for BankServACH 3.1.2
- IBM WebSphere Commerce Analyzer 5.4
- Brio Broadcast Server 6.2
- IBM SecureWay Directory Server 3.2.1 (▶ 400 not included for OS/400. Refer to the *WebSphere Commerce Installation Guide for iSeries* for details)
- Segue SilkPreview(TM) V1.0
- WebSphere Commerce Recommendation Engine powered by LikeMinds 5.4
- Lotus SameTime 2.5
- Lotus QuickPlace 2.0.8

For additional information about hardware and software requirements, refer to the *WebSphere Commerce Business Edition Installation Guide*.

Chapter 3. WebSphere Commerce Studio

WebSphere Commerce Studio consolidates all store development tools in a single environment. In addition to the development tools, WebSphere Commerce Studio includes a development license for WebSphere Commerce. As a result, WebSphere Commerce Studio provides everything store developers require to create and test a store in a development environment. WebSphere Commerce Studio is available on the Windows NT and Windows 2000 platforms only.

The following products are included in the WebSphere Commerce Studio package:
- WebSphere Studio Advanced Edition Version 4.0
  - AppletDesigner
  - Page Detailer
  - IBM Distributed Debugger
- VisualAge for Java Enterprise Edition Version 4.0
- Blaze Advisor Builder 3.1.3
- Blaze Innovator Workbench 3.1.3
- WebSphere Commerce 5.4

For additional information about hardware and software requirements, including prerequisites, refer to the *WebSphere Commerce Studio Installation Guide*.

Chapter 4. New and changed components in WebSphere Commerce 5.4

The following section describes the new and changed components in WebSphere Commerce 5.4.

Access Control

The current release improves access control by introducing a hierarchical policy and role based system, which also features a resource based model. This makes the access control component more flexible and customizable. The access control policies are defined during site creation, and then enforced by the server while it is running.

You define access control policies using either a graphical user interface, or by importing an XML file.

Advanced user, member, and organization management

Individual user profiles support explicit assignment, or implicit grouping criteria. These profiles are created in the Commerce Accelerator using the Customer Profile wizard. You can also create member groups using the Administrative console for access control purposes, such as those customers who also have the ability to approve orders from within their organization.

Also new this release, is the ability to register customers using a batch file.

> Business In the Business Edition, this feature now supports a hierarchical organizational structure, which reflects customers that belong to different levels within an organization. Both the buyer and seller organizations have control over who is approved within each level.

Billing, invoicing, and credit management

> Business WebSphere Commerce Business Edition incorporates the ability to process orders using purchase order numbers included with the order. It also introduces the ability to issue invoices customized according to the buyer organization. This feature also helps to track orders, payments, invoices, purchase orders, and credit lines for each contract.

Buy-side purchasing

> Business The current version of WebSphere Commerce Business Edition also supports requisition lists to facilitate those frequent, repeated orders. Once the requisition list has been defined, orders can be generated from it without having to browse the catalog.

Catalog Manager

WebSphere Commerce Catalog Manager provides a generic toolkit that provides various functions to facilitate catalog-management. It is flexible enough to handle customizations that are made to the WebSphere Commerce schema.

Catalog Manager provides the means for you to do the following:
1. Import data from multiple input sources in the form of ASCII and XML files into WebSphere Commerce
2. Transform data from ASCII to XML format and back again
3. Remap data from one XML format to another
4. Aggregate data from multiple input streams into one aggregated database
5. Create/edit/delete data through a Web-browser interface

Catalog Manager includes the following:

Catalog Manager Loader package
> This package consists primarily of command utilities for preparing and loading data into a WebSphere Commerce database. You can use the Loader package to load large amounts of data and to update data in your WebSphere Commerce database. The Loader package also allows you to do the following:
> - Extract data from a database as an XML document
> - Transform XML data into alternate XML formats
> - Transform data from a character-delimited variable format to an XML data format

Catalog Manager Web Editor
> The Web Editor enables you to create, delete, and make changes to your catalog data through a Web browser.

Catalog Manager administrative tools
> Catalog Manager also includes the following two tools with a user interface to assist in the administration of its functions:
> - Text Transformation tool
> - XML Transformation tool

Catalog subsystem

The catalog subsystem is a component of the WebSphere Commerce Server that provides online catalog navigation, partitioning, categorization, and associations. In addition, the catalog subsystem includes support for personalized interest lists and custom catalog display pages.

New to this edition is the master catalog. The master catalog is the central tool for managing your store's merchandise. This is the single catalog containing all products, items, and standard pricing for each. Every store must contain one master catalog.

Your online catalog can benefit from the following features associated with the catalog subsystem:

Groupings
> You can categorize various products using a generic grouping system to create a navigation hierarchy in an online catalog.

Online catalog entries

Catalog entries are the base set of objects that represent merchandise for sale. You can classify catalog entries as products, items, packages, bundles, and dynamic kits. Also, trading positions are used for dynamic pricing based on contracts, and opening and reserving prices for negotiation.

Configurable products

You can dynamically configure products by using an external product configurator.

Merchandising associations

You can enable product associations for merchandising purposes. These become cross-sells, up-sells, and accessories.

Entitlement-based catalog filtering

You can create unique catalog views for different customer groups using contracts and product sets.

Collaboration

WebSphere Commerce supports two types of collaboration functionality: collaborative workspaces and customer care. To use one, or both features, you must first install the supporting software associated with each type of collaboration.

Collaborative Workspaces

▶ Business   Collaborative workspaces are discussion forums for multiple parties to share business information such as negotiating contract terms and conditions between a Buyer and a Seller (or Account Representative for the Seller) and amongst the business users within the Seller's organization. Collaborative workspaces support asynchronous communication by way of Lotus QuickPlace. Collaborative workspaces can be created by any role other than the Buyer, by using the WebSphere Commerce Accelerator and the WebSphere Commerce default QuickPlace template. Only an Account Representative or Account Manager with QuickPlace Manager access to a collaborative workspace can add Buyers to the workspace. Collaborative workspaces, requires that member data be on an LDAP server used with WebSphere Commerce, not a relational database. The details about the collaborative workspaces and workspace member information are managed through the WebSphere Commerce system. Any discussion threads, postings, or file attachments used for collaboration are stored on the QuickPlace server. To use collaborative workspaces, LDAP must first be configured for WebSphere Commerce. QuickPlace must be installed and configured on a separate machine from your WebSphere Commerce and LDAP server. For instructions, refer to the WebSphere Commerce Additional Software guide.

Customer Care

Customer care provides real-time customer service support through a synchronous text interface using the Lotus Sametime server. A customer may enter the site and click a link on the store page to connect to a Customer Service Representative (CSR). The two parties can then communicate or chat over the Internet. A CSR accesses the customer care interface through the WebSphere Commerce Accelerator. Using customer care, the CSR can view the store page where the customer needs assistance and retrieve shopping cart and profile information. Customer Care also allows the CSR to chat with other CSRs. To use customer care, Sametime

must first be installed and configured for WebSphere Commerce. For instructions, refer to the WebSphere Commerce Additional Software guide.

Commerce Accelerator enhancements

The Commerce Accelerator is enhanced to provide a user interface for most of the new features described in this document. Furthermore, the Accelerator is more flexible as it has two settings which change the presentation of information depending on whether your site caters to businesses or to consumers.

Commerce Models

- ▶ Business New store model for business-to-business store, called ToolTech. The first B2B online hardware store provided with WebSphere Commerce. ToolTech highlights the tasks a buyer can perform at a seller's e-commerce site. Some of the features highlighted in the ToolTech store model include:

  Contract-based purchasing
  > ToolTech provides buyers with the ability to base purchasing on the terms and conditions specified in a contract. Terms and conditions can be set for any feature in the store such as viewing the catalog, pricing, and order fulfillment.

  Requisition lists
  > ToolTech allows buyers to create a new requisition list or create orders from existing ones which are shared between organizations.

  Catalog browsing based on entitlement
  > ToolTech gives buyers the ability to browse the catalog using run-time filtering based on the terms and conditions of their contract. Buyers can see prices under various contracts, but can only purchase products under their contract.

  Contract-based pricing
  > ToolTech displays prices based on price sections, validity periods, and price adjustments specified by the terms and conditions in the buyers contract. Buyers can choose the contract (and price) that they want to use for purchasing. Buyers also have the option to purchase items under different contracts in the same order.

  Customized Start Page
  > All home pages can be personalized based on the buyer's organization.

  RFQ creation
  > ToolTech enables buyers to create RFQ's for several products.

  Split Order
  > ToolTech allows buyers to split an order based on the availability of items in the inventory.

  Multiple ShipTo addresses
  > ToolTech allows buyers to select different shipping addresses for each item.

  Weight Based Shipping
  > ToolTech calculates shipping charges based on the weight of items.

  Product Search capability
  > ToolTech enables buyers to search for products and items based on attributes, prices, and keywords.

Buyer Registration and Approval
ToolTech offers automatic registration approval for buyers.

- Updated store model for business-to-consumer store, called NewFashion, builds on the existing InFashion sample store and captures some of the enhancements released with the WebFashion sample store. The following are the new features provided in the NewFashion sample store:

Availability to promise
NewFashion provides customers with an availability date for each item in their order. This feature is based on real-time inventory.

Backordering
NewFashion allows customers to backorder any item not currently available in stock.

Splitting orders
NewFashion allows customers to split an order into two orders.

Tracking order status
NewFashion gives customers the ability to track the status of their orders.

E-mail notification
NewFashion allows you to notify customers by e-mail about changes to the status of their order.

Configuration Manager

The Configuration Manager interface has been enhanced to provide the following nodes:

Cross Site Scripting Protection
This node provides access to the feature that rejects any user requests that contain attributes or characters that are designated as not allowable. The node provides methods to enable the feature, and entry fields to specify the disallowed attributes and characters.

Password Invalidation
This node enables you to select users for whom you want to invalidate passwords. This feature requires WebSphere Commerce users to change their password before they will have access to any of the site's secure pages. When selected, users are redirected to a page that facilitates changing their password.

Login Timeout
This node allows you to define the parameters under which a WebSphere Commerce user that is inactive for an extended period of time is logged off the system and requested to log back on. If the user subsequently logs on successfully, WebSphere Commerce runs the original request that was made by the user. If the user logon fails, the original request is discarded and the user remains logged off the system.

Password Protected Commands
This node enables you to require registered users who are logged onto WebSphere Commerce to enter their password before continuing a request that runs designated WebSphere Commerce commands.

Contract based commerce

Business Accounts define your relationship with the various buyer organizations with which you do business. Accounts help organize contracts and orders from customer organizations, and to configure how buyers shop at your site by controlling what products can be seen and purchased by customers governed by a given contract.

In contrast to the account feature, contracts define the details of transactions between the seller and a unit of the buyer organization. Contracts contain the following information about orders from all of the customers governed by the contract:

- Product set available for browsing and purchasing
- Pricing and discounts which may have been negotiated
- Fulfillment centers from which orders should be shipped
- Obligation and right-to-buy
- Payment types and methods
- Billing terms
- Returns and refunds

Using the Commerce Accelerator, your Account Representatives and Sales Managers have control of the accounts and contracts that are defined for your store.

Coupons

This feature is an addition on the Marketing subsystem, and enables you to offer electronic coupons to your shoppers. Coupons are created as an alternate style of campaign initiative, and can be collected by the shopper in a coupon wallet until they either expire, or are redeemed with a qualifying purchase.

Inventory management

Inventory subsystem

The inventory subsystem is a component of the WebSphere Commerce Server that provides real-time inventory management. The inventory subsystem provides functionality to record information about inventory received from vendors and returned by customers; adjust inventory quantity; determine the disposition of returned inventory; and ship and receive inventory.

Ad hoc inventory receipts

Ad hoc inventory receipts are created when inventory arrives at a fulfillment center without a corresponding expected inventory record. This could be due to an unexpected inventory arrival, or it could be the choice of the merchant or seller not to use expected inventory records to record inventory receipts. Products must exist in the WebSphere Commerce system in order to be received, whether the inventory receipt is expected or ad hoc.

Expected inventory

Expected inventory is received from a vendor, typically paid for with a purchase order. The WebSphere Commerce Accelerator tracks expected inventory with expected inventory records, and allows you to record an external identifier, typically a purchase order number from an external

system. In this way, you can easily keep track of the inventory you have ordered, as well as what has and has not arrived.

An expected inventory record cannot be deleted once inventory has been received against it, and expected inventory details cannot be changed or deleted once any of that inventory has been received.

When orders are placed for inventory that is available in a fulfillment center, the order subsystem allocates inventory to those orders. Allocating inventory to an order makes it unavailable to the order system. If the order is canceled, the inventory becomes available again.

If an order is placed for inventory that is not available, a backorder can be created. If there is expected inventory that could be used to fulfill the backorder, then the expected inventory is allocated to the backorder and the customer can be provided with an expected ship date.

Products must exist in the WebSphere Commerce system in order to be received, whether the inventory receipt is expected or ad hoc.

Inventory adjustment

Inventory adjustments are made when the amount of inventory in the fulfillment center is not the same as the amount of inventory recorded in the WebSphere Commerce Accelerator. This could happen for a number of reasons. For example, if products in a fulfillment center are stolen or damaged, the amount of inventory available must be adjusted to reflect that situation. If a count is taken in a fulfillment center and there are more products than previously thought, this too must be recorded.

Releases and shipments

A release is a set of products in a given order that have the same ship-to address, fulfillment center, and shipping carrier. A single release might be packaged in the same box, but it might also be in multiple boxes. This could happen if part of the release is fragile or oversized, if an item is designated to ship separately, or if the release simply does not all fit in one box.

In the WebSphere Commerce Accelerator, releases are grouped together to create pick batches. Each pick batch has a pick ticket, which is a list of the products that need to be gathered to fulfill the orders in those releases. Once the inventory has been gathered, products are packaged into their boxes to be shipped. Each release has a packing slip. Sometimes there is only one packing slip for multiple boxes.

Information about each package is recorded in a manifest when the package is shipped. The manifest often includes package tracking information that may be shared with the customer.

Fulfillment

Fulfillment is inventory activity that happens in a fulfillment center or warehouse, including picking, packing, and shipping. Picking is the selection of products in one or more releases from a fulfillment center, packing is putting these products into shipping containers, and shipping is sending them to customers. There are typically a number of people working in a fulfillment center at one time, each with a different task or tasks to perform. The WebSphere Commerce Accelerator divides the most common tasks into roles, and these roles are assigned to users.

Products are configured for fulfillment in the Product wizard and the Product notebook. This includes options to track inventory, allow backorder, force backorder, release separately, and specify that the product should not be returned.

- Automatic payment capture
- Pick and pack slips and shipment confirmation
- Fulfillment enhancements

Operational reporting

There are 12 operational reports available to help you efficiently manage inventory, fulfillment, and stores. These reports are designed to be accessible to users in multiple roles, as follows:

Seller and Marketing Manager

Analyzes performance and sales trends, and makes decisions about promotions and sales campaigns, in addition to other business decisions targeting revenue increase.

Buyer, Product Manager, and Category Manager

Tracks inventory, expected inventory records, receipts, and return reasons; and makes purchase order decisions.

Operations Manager

Manages fulfillment; manages orders from receipt to fulfillment; and tracks orders missing order confirmations.

Inventory returns and dispositions

Customers return products to a fulfillment center for many different reasons. Perhaps a customer was unhappy with the quality or performance of a product, or perhaps the product was legitimately defective. Returned inventory may be re-integrated into the pool of inventory available for order, or it may be discarded. This process is called disposition.

In the course of the disposition of a product, information about the customer's reported reason for returning it is recorded, in addition to information about the merchant or seller's perspective on the reason for that return. Then a disposition is determined and recorded, along with the reason for that decision.

Loader package

The loader package includes the following new utilities this release:

XML Transformer

The XML Transformer changes, aggregates, and remaps the data in an XML file to alternate XML formats for use by other users or systems as needed.

Extractor

The Extractor pulls selected subsets of data from a database in the form of XML files.

Marketing subsystem

Marketing campaigns have an improved deployment process which no longer requires an additional explicit publish procedure. It also now supports a more flexible method of scheduling which e-Marketing Spots will contain dynamic content from campaign initiatives.

The e-Marketing Spots have been improved so that they are capable of supporting multiple types of initiative output. For instance, you can define a single e-Marketing Spot to display advertisements, product recommendations, and e-Coupons.

The customer profiles have been updated to provide target criteria based on account and contract information.

Message Extensions from Commerce Integrator

This feature offers an interface to integrate your WebSphere Commerce system with a procurement system's network of high volume networks. Messaging extensions supports two modes of integration to procurement systems:

Local catalog orders
Suppliers can have their catalog replicated on the procurement systems network.

PunchOut orders
Suppliers can maintain a single catalog within WebSphere Commerce and use it to enable their presence and participation in the procurement system's network.

Order management enhancements

Inventory checking and allocation
WebSphere Commerce supports an availability to promise (ATP) inventory feature. When an order is placed, by a customer or Customer Service Representative, the system verifies whether or not inventory is available to complete the order, and then allocates the products to orders, as appropriate. If the one or more products selected for an order are not readily available, then you have three options:

1. Wait until inventory replenishes and then ship the entire order.
2. Split the order and ship the inventory available now and ship the remaining products in a separate order, when inventory replenishes.
3. Remove the product from the order.

You can use the Place Order wizard within the WebSphere Commerce Accelerator to indicate how products should be allocated; that is, whether you want to wait for all products before shipping the order, backorder the unavailable products, or cancel the order.

Back order creation with expected ship date
You can use the Place Order wizard or Change Order notebook within the WebSphere Commerce Accelerator to split an order into two separate orders: the current order containing products available now, and a back order containing products to be shipped later. The Product Availability page of the wizard or notebook display the date in which the store expects to receive inventory from its fulfillment center. Use this date to determine whether you want to split an order and wait for inventory to replenish, or to remove the product from the order.

To track the status of split orders and to better manage expected inventory, a Customer Service Representative can also view a list of back orders for the store, or for individual customers.

Organization Administration Console

`Business` This buyer-side interface enables the buyer administrator to approve the shoppers within their organization, and the orders made by those shoppers. The buyer administrator also has the ability to assign access levels to their members.

Payment Manager

Payment Manager, Version 3.1.2, contains a number of new integration features for WebSphere Commerce that facilitate and automate online payment processing. These features include the following:

- Purchasing card support for existing credit card-based cassettes (SET and VisaNet).
- Removed restrictions for Administrator names.
- Additional cassette support for the Cassette for VisaNet and the Cassette for BankServACH.
- New commands which automate payment processing.

Product Management

The Product Management tools in the WebSphere Commerce Accelerator allows you to manage the products in your store's master catalog using various wizards and notebooks.

The Product Management tools replace the Catalog Editor in previous versions. Using the WebSphere Commerce Accelerator, you can now work with:

Products
Products act as templates for SKUs, the individual items which are ultimately sold to a customer. The Product Wizard allows you to create new products for your catalog and customize fulfillment options for your product, such as tracking inventory or backordering a product for an order.

SKUs Once you have created your product, you must create SKUs to represent each orderable item of merchandise for sale. All SKUs related to a particular product exhibit the same set of attributes and are distinguished by their attribute values. New function includes creating SKUs using the SKU Wizard or generating SKUs for a product, once you have created all required product attributes.

Categories
A category, also known as a catalog group, is a group of objects that have similar properties which are used to organize products or services offered by the store. You can create, find, list, change, and delete categories. You can classify products and SKUs under different parent and child categories.

Attributes
Attributes are properties of SKUs in an online store, such as color or size. Attribute values are the property of an attribute such as a specific color (blue or yellow) or size (medium). You must predefine attribute values before assigning them to SKUs. Attribute values are implicitly related to their attributes. Each possible combination of attributes and attribute values equals a new SKU. After creating attributes and their values, you can update information such as name, description, and type (text, whole numbers, or decimal numbers).

Pricing

A price for a product or SKU, in one or more currencies, along with a set of conditions such as setting a price for different quantities (for example, 1 to 5, 6 or more), which must be satisfied in order to use the price. You can create, list, and change pricing associated with a product or SKU.

Request for Quotation (RFQ)

> Business WebSphere Commerce Business Edition also features RFQ support. These requests are sent to the seller organizations in order to get price quotes for unique items, or for large volume purchases. Once received, the seller organization responds by creating an RFQ response, Orders can be generated directly from RFQ responses. You have complete control of how RFQ support is processed at your site using XML files which define and govern the flow of an RFQ from receipt to resolution.

Returns and refunds including RMA functionality

In order to appease a customer not satisfied with their purchase, the merchant or seller can offer a refund. That refund may then be used towards a new order for replacement merchandise (this is not the same as an exchange, which is not currently supported). System settings, which can all be overridden with the appropriate level of security, control whether certain items are refundable, whether the original merchandise must be returned, and the refund amount. If the merchant or seller chooses, a Return Merchandise Authorization (RMA) may be issued through a self-service interface, using the configurable auto-approval mechanism or with the assistance of a Customer Service Representative (CSR). Once the returned merchandise is received, it may be marked unsalable and then discarded, or it may be returned to inventory to satisfy another order.

Search enhancements

WebSphere Commerce includes a number of search methods to facilitate providing search functionality to your users and to your customers. The following search methods are provided:

Catalog search

The catalog search provides both basic and advanced search functionality to your site for use by customers.

Product Advisor

The Product Advisor provides interactive shopping guides to help your customers identify the products which match their requirements.

WebSphere Commerce Accelerator tools

The WebSphere Commerce Accelerator includes a number of tools which integrate product or category searches to help administrators complete their objectives. These include such product search functions as found in the Campaign, Product Management, and Customer profile wizards.

Security enhancements

Account lockout

The account lockout policy disables a user account if   malicious actions are launched against that account in order to reduce the chances that the actions compromise the account. The account lockout policy enforces the following items:

- The account lockout threshold. This is the number of invalid logon attempts before the account is disabled.
- Consecutive unsuccessful login delay. This doubles the time between consecutive login attempts.
- After the account has been locked, WebSphere Commerce sends a notification to both the Site Administrator and the owner of the account, informing them of the status of the user account.

Access logging

Access logging logs either all incoming requests to the WebSphere Commerce server or only the requests resulting in access violations. Examples of access violations are authentication failure, insufficient authority to execute a command, or resetting a password that contravenes password rules at your site. When enabled, this feature allows a WebSphere Commerce administrator to quickly identify security threats to the WebSphere Commerce system. When an authentication failure or authorization failure event occurs, information is logged to the access log file database tables.

Account policies

An account policy defines the account-related policies such as password and account lockout policies.

Cross-site scripting protection

Cross-site scripting protection rejects any user requests that contain attributes or characters that are designated as not allowable. You can specify the disallowed attributes and characters using the Configuration Manager.

Database update tool

A tool that updates all of the encrypted data (for example, passwords or credit card numbers) in a WebSphere Commerce database for a given instance.

Password invalidation

This feature requires WebSphere Commerce users to change their password if the user's password has expired.

Password policy enforcement

This page allows you to control a user's password selection in order to define the characteristics of the password to ensure that it complies with the security policy for your site. This feature defines attributes with which the password must comply. The password policy enforces the following conditions:

- Whether the user ID and password can match.
- Maximum occurrence of consecutive characters.
- Maximum instances of any character.
- Maximum lifetime of the passwords.
- Minimum number of alphabetic characters.
- Minimum number of numeric characters.
- Minimum length of password.
- Whether the user's previous password can be reused.

Password protected commands

When enabled, this feature requires registered users who are logged onto WebSphere Commerce to enter their password before continuing a request that runs designated WebSphere Commerce commands.

Login Timeout
When this feature is enabled, a WebSphere Commerce user that is inactive for an extended period of time is logged off the system and requested to log back on. If the user subsequently logs on successfully, WebSphere Commerce runs the original request that was made by the user. If the user logon fails, the original request is discarded and the user remains logged off the system.

Store Services

The Web Assets dialog in the Store Services allows you to replace the Web assets compressed archive file in a store archive with another set of Web assets, or you can download the existing Web assets to a location of your choice.

WebSphere Application Server 4.0.2

WebSphere Application Server 4.0.2 includes the following features:

Web services
Supports popular Web application languages such as SOAP, UDDI, WSDL, XML, and J2EE 1.2 (Java 2 Enterprise Edition platform) certification. Includes robust integration & transaction technology for both IBM TXSeries and IBM MQSeries.

Database support
Incorporates connectivity with CORBA and ActiveX interoperability; and expanded database support.

Programming model extensions
Manages your changing e-business with Web services and J2EE programming model extensions:

- Facilitates simplified internationalization of your applications including adjustments in business logic to accommodate client locales for time zones, currencies, and languages.
- Business rules beans enable dynamic updates without coding when business practices change.
- Shared work areas let you efficiently share dynamic customer information from one end of a distributed application to the other.

Performance enhancements
Performance enhancements include dynamic reloading of enterprise beans, dynamic caching (muti-tier), JNDI caching, and more.

Note: WebSphere Commerce 5.4 does not exploit all of these features at this time.

WebSphere Commerce Analyzer Enhancements

The integration with WebSphere Commerce Analyzer has been enhanced to support single logon. Now, users do not have to log on to the WebSphere Commerce Accelerator, and then subsequently log on to the WebSphere Commerce Analyzer to view reports.

The software has also been enhanced to support report viewing restrictions based on an individual's role, enabling you to control who can view which reports. Furthermore, additional reports have been incorporated to highlight the business to business environment.

XML over HTTP

New Program Adapter that handles XML requests over HTTP. The Program Adapter maps XML messages into PropertyCommand objects. This mapping mechanism is externalized so other WebSphere Commerce components can now use this mechanism and provide inbound support for XML over HTTP.

Chapter 5. New commands in WebSphere Commerce 5.4

The new commands fall into three categories: URL commands, Task commands, and View Commands. The new commands are listed below, according to the command category. For detailed information about a particular new command in WebSphere Commerce, refer to the online help.

URL Commands

AccessSpaceCtrlCmd

AccountImportCmd

AddMemberToSpaceCtrlCmd

AdminBidDelete

AttributeValueAdd

AttributeValueDelete

AttributeValueUpdate

AutoBidSubmit

BidSubmit

CatalogAdd

CatalogDelete

CatalogEntryAdd

CatalogEntryDelete

CatalogEntryUpdate

CatalogGroupAdd

CatalogGroupDelete

CatalogGroupUpdate

CatalogUpdate

CatGroupCatEntryRelAdd

CatGroupCatEntryRelDelete

CatGroupRelAdd

CatGroupRelDelete

ChangeSpaceCtrlCmd

ChangeUserRoleCtrlCmd

CloseBidding

ContractDisplayCmd

ContractExportCmd

ContractImportApprovedVersion

ContractImportDraftVersion

ContractListAsBuyer

ContractSetInSession

CreateAuction

CreateAuctionStyle

CreateBidRule

CreateForumMessage

CreateSpaceCtrlCmd

DeleteAuction

DeleteAuctionStyle

DeleteBidRule

DeleteSpaceCtrlCmd

DisplayAuctionRules

DynamicKitConfigurationAdd

EditJob

ModifyAuctionStyle

ModifyBidRule

OfferAdd

OfferDelete

OfferUpdate

OrderItemMove

PAttributeCreate

PAttributeDelete

PAttributeModify

ProductAttributeAdd

ProductAttributeDelete

ProductAttributeUpdate

ProductDisplay

RemoveMemberFromSpaceCtrlCmd

RequisitionListCopy

RequisitionListCreate

RequisitionListDelete

RequisitionListDisplay

RequisitionListItemUpdate

RequisitionListSubmit

RequisitionListUpdate

ResetPasswordAdministrator

RetrieveShoppingCartCmd

RetrieveShopperProfileCmd

ReturnCancel

ReturnDisplay

ReturnItemAdd

ReturnItemDelete

ReturnItemUpdate

ReturnListDisplay

ReturnPrepare

ReturnProcess

RFQActivateAllDueCmdImpl

RFQCancelCmdImpl

RFQCloseAllExpiredCmdImpl

RFQCloseCmdImpl

RFQMarkForDeleteCmdImpl

RFQResponseAcceptCmdImpl

RFQResponseRejectCmdImpl

ScheduledOrderProcess

SetInterestItemList

StoreCollabListDisplayCmd

StoreCollabMembersDisplayCmd

FINALIZEAUCTION
MODIFYAUCTION

TOPCATALOGGROUPADD
TOPCATALOGGROUPDELETE

Task Commands (A-C)

ACCEPTRFQRESPONSESCMD
ACCOUNTLOCKOUTPOLICYCMD
ACTGRPDELETETASKCMD
ACTIONACTGRPADDTASKCMD
ACTIVATEALLDUERFQSCMD
ADDCONTRACTNLDESCRIPTIONCMD
ADDEVENTCOMMAND
ADDORDERITEMCOMPONENTSCMD
ADJUSTINVENTORYRESERVATIONCMD
ALLOCATEEXISTINGINVENTORYCMD
ALLOCATEEXPECTEDINVENTORYCMD
ALLOCATEINVENTORYCMD
APPLYCALCULATIONUSAGESCMD
APPLYCOUPONUSAGECMD
APPLYSHIPPINGCMD
APPROVEREFUNDPOLICYCMD
APPROVERETURNITEMCMD
AUCTIONTASKBASECMD
AUTHORIZEACCOUNTPAYMENTCMD
AUTOAPPROVERETURNITEMCMD
AUTOAPPROVERETURNITEMPOLICYCMD
AUTOAPPROVERETURNITEMSTANDARDCHECKSCMD
BUSINESSPOLICYCOMMAND
CALCULATECONTRACTPRICESCMD
CALCULATEDISCOUNTAMTCMD
CALCULATERETURNADJUSTMENTPOLICYCMD
CALCULATERETURNITEMADJUSTMENTCREDITCMD
CALCULATERETURNITEMADJUSTMENTPOLICYCMD
CALCULATERETURNITEMCREDITCMD
CALCULATERETURNITEMCREDITFORCATENTRYCMD
CALCULATERETURNITEMPRODUCTCREDITCMD
CALCULATERETURNTAXCMD
CALCULATERMAAPPROVALCMD
CALCULATIONCMD
CALCULATIONCODEAPPLYCMD
CALCULATIONCODECALCULATECMD
CALCULATIONCODECOMBINECMD
CALCULATIONCODEQUALIFYCMD
CALCULATIONRANGECMD
CALCULATIONRULECALCULATECMD
CALCULATIONRULECOMBINECMD
CALCULATIONRULEQUALIFYCMD
CALCULATIONSCALELOOKUPCMD
CAMPAIGNCOLLATERALCREATECMD
CAMPAIGNCOLLATERALDELETECMD
CAMPAIGNCOLLATERALUPDATECMD
CAMPAIGNCREATECMD
CAMPAIGNDELETECMD
CAMPAIGNEMSCREATECMD

CAMPAIGNINITIATIVESCHEDULEDELETECMD
CAMPAIGNINITIATIVESCHEDULEUPDATECMD
CAMPAIGNINITIATIVEUPDATECMD
CAMPAIGNUPDATECMD
CANCELRFQCMD
CHANGEPERSONALIZATIONRULESERVICECOMMAND
CHECKACCOUNTPAYMENTCMD
CHECKAPPLICABILITYCMD
CHECKFORWORKCMD
CHECKINVENTORYAVAILABILITYCMD
CHECKORDERACCEPTANCECMD
CHECKPAYMENTACCEPTCMD
CHECKPAYMENTACCEPTPOLICYCMD
CHECKPOSPENDINGLIMITCMD
CHECKRETURNITEMINCORRECTSTATECMD
CHECKRMAITEMEXPIRATIONCMD
CHECKSHIPPINGMODESCMD
CHECKSHIPPINGTERMSANDCONDITIONSCMD
CHECKTASPENDINGLIMITCMD
CHECKVALIDITYCMD
CLICKEVENTUPDATECOMMAND
CLOSEALLEXPIREDRFQSCMD
CLOSEAUCTIONCMD
CLOSECONTRACTCMD
CLOSERETURNCMD
CLOSERFQCMD
CONFIGURERULESERVERCOMMAND
COPYCONTRACTCMD
COPYRFQCMD
COUPONDSSTASKCMD
CREATEACCOUNTCMD
CREATEAUCTIONTASKCMD
CREATECONTRACTBASICINFOCMD
CREATECONTRACTCMD
CREATECOUPONDISCOUNTCMD
CREATEDISCOUNTCMD
CREATEORDERCOMMENTSTCCMD
CREATEORDERITEMPATTRIBUTETCCMD
CREATEPERSONALIZATIONRULESERVICECOMMAND
CREATERECEIPTCMD
CREATERESPONSEBASICINFOCMD
CREATERETURNCHARGETCCMD
CREATERETURNPAYMENTTCCMD
CREATERFQATTACHMENTCMD
CREATERFQBASICINFOCMD
CREATERFQCATENTRYRELCMD
CREATERFQITEMATTRIBUTECMD
CREATERFQITEMCMD
CREATESHIPPINGCHARGETCCMD

CampaignEmsDeleteCmd

CampaignEmsUpdateCmd

CampaignInitiativeCreateCmd

CampaignInitiativeDeleteCmd

CampaignInitiativeDisableCmd

CampaignInitiativeEvaluateCmd

CampaignInitiativeScheduleAddCmd

CreateStoreAddressCmd

CreditAccountCmd

CreditReturnItemCmd

CSRDisplayRefundPaymentInfoCmd

CSRGuestCustomerAddCmd

CSROrderCommentsNotifyCmd

CSROrderStatusChangeCmd

Task Commands (D-L)

DeallocateExistingInventoryCmd

DeallocateExpectedInventoryCmd

DebitAccountCmd

DeleteAuctionTaskCmd

DeleteOrderCommentsTCCmd

DeleteOrderItemPAttributeTCCmd

DeleteRFQAttachmentCmd

DeleteRFQCatentryRelCmd

DeployContractCmd

DeployPriceTCCmd

DeployTCCmd

DetermineReturnCreditVehicleCmd

DisablePersonalizationRuleServiceCommand

DiscountCalculationCodeApplyCmd

DiscountCalculationCodeApplyCmd

DiscountCalculationRuleQualifyCmd

DiscountCalculationRuleQualifyCmd

DoCancelCmd

DoCancelPolicyCmd

DoDepositCmd

DoDepositPolicyCmd

DoPaymentMPFInternalCmd

DoPaymentPolicyCmd

DoRefundCmd

DoRefundPolicyCmd

EnablePersonalizationRuleServiceCommand

ExtendAdminReturnApproveCmd

ExtendReturnCreditAndCloseScanCmd

ExtendReturnPrepareCmd

FinalizeCalculationUsageCmd

FinalizeCouponUsageCmd

FixedAmountCalculationRangeCmd

FixedAmountCalculationRangeCmd

ForwardPaymentSummaryCmd

GeneratePickBatchCmd

GenerateSaltCmd

GenericInventoryAdjustCmd

GenericInventoryReserveCmd

GetContractSpecialPriceCmd

GetContractUnitPriceCmd

GetDynamicKitConfigurationDefinitionCmd

GetEligibleFulfillmentCentersCmd

GetOrderLevelParameterCmd

GetOrderProductTotalCmd

GetProductContractUnitPriceCmd

GetReturnTaxesCmd

GetSubOrderProductTotalCmd

InitializeAdjustmentCmd

InitializeCalculationUsageCmd

InitializeCouponUsageCmd

InitializeSalesTaxCmd

InitializeShippingCmd

InitializeShippingTaxCmd

InvokePersonalizationRuleServiceCommand

ListBusinessOrgEntityCmd

ListFulfillmentCentersCmd

LogReturnAuthCmd

Task Commands (M-P)

MakeReceiptAvailableCmd

MarketingEventUpdateCommand

MarkPersonalizationRuleServiceChangedCommand

MarkRFQForDeleteCmd

ModifyAuctionTaskCmd

ModifyOrderCommentsTCCmd

ModifyOrderItemPAttributeTCCmd

ModifyRFQAttachmentCmd

ModifyRFQBasicInfoCmd

ModifyRFQCatentryRelCmd

NDPriceCalculationScaleLookupCmd

PopulateJustInTimeServiceManagerCommand

PostAddressAddCmd

PostAddressCheckCmd

PostAddressDeleteCmd

PostAddressUpdateCmd

PostMemberRoleAssignCmd

PostMemberRoleUnassignCmd

PostOrgEntityAddCmd

PostOrgEntityUpdateCmd

PostRoleAddCmd

PostUserRegistrationAddCmd

NetPriceCalculationScaleLookupCmd
NetPriceCalculationScaleLookupCmd
NetPriceWithQuantityAsResultMultiplierCalculationScaleLookupCmd
NetShippingCalculationScaleLookupCmd
NetShippingCalculationScaleLookupCmd
NonDiscountedPriceCalculationScaleLookupCmd
NotifyAuctionBaseCmd
NotifyBidOverrideCmd
NotifyCloseAuctionCmd
NotifyCmd
NotifyCompleteOrderCmd
NotifyCreateAuctionCmd
NotifyModifyAuction
NotifyModifyAuctionCmd
NotifyRFQResponseCmd
NotifyStartAuction
NotifyStartAuctionCmd
OrderMessagingCmd
PaymentManagerVerifyCredentialsCmd
PercentageCalculationRangeCmd
PersistOrdersWithMemberGroupIdsForCurrentUserCmd
PersonalizationRuleServiceCommand
PersonalizationRuleServiceDetailsCommand
PerUnitAmountCalculationRangeCmd
PolicyDeleteTaskCmd

PostUserRegistrationAdminAddCmd
PostUserRegistrationAdminUpdateCmd
PostUserRegistrationUpdateCmd
PreAddressAddCmd
PreAddressCheckCmd
PreAddressDeleteCmd
PreAddressUpdateCmd
PreMemberRoleAssignCmd
PreMemberRoleUnassignCmd
PreOrgEntityAddCmd
PreOrgEntityUpdateCmd
PrepareInvoiceCmd
PrepareOrderCmd
PreRoleAddCmd
PreUserRegistrationAddCmd
PreUserRegistrationAdminAddCmd
PreUserRegistrationAdminUpdateCmd
PreUserRegistrationUpdateCmd
ProcessOrderCmd
ProcessParentMemberCmd
ProcessProfileTypeCmd
ProcessRequestPropertiesCmd
ProductPricingCmd
PublishCustomPriceListCmd

Task Commands (Q-Z)

QuantityCalculationScaleLookupCmd
QuantitySpreadByNetPriceCalculationScaleLookupCmd
RefreshExpiredRMAItemsCmd
RefundPaymentPolicyCmd
RejectRFQResponsesCmd
ReleaseShipNotifyCmd
RemovePersonalizationRuleServiceCommand
RePrepareExpiredRMACmd
RePrepareOrderCmd
ResCgryResGrpAddTaskCmd
ReserveInventoryCmd
ResGrpDeleteTaskCmd
ResGrpImplicitAddTaskCmd
ResGrpImplicitUpdateTaskCmd
ResolveJurisdictionsCmd
ResolveReturnFulfillmentCenterCmd
ResolveShippingJurisdictionsCmd
ResolveTaxJurisdictionsCmd
RespondPAttributeTCCmd
RespondProductPQCmd
RespondRFQLevelCommentsTCCmd
ReturnItemToInventoryCmd
RFQResponseChangeStateCmd
RFQResponseModifyBaseInfoCmd
RFQResponseModifyOrderCommentsTCCmd
RFQResponseModifyOrderitemPAttributeTCCmd

ShippingCalculationRuleQualifyCmd
ShippingTaxCalculationCodeApplyCmd
StartAuctionCmd
SummarizeAdjustmentCmd
SummarizeCalculationUsageCmd
SummarizeCouponUsageCmd
SummarizeSalesTaxCmd
SummarizeShippingCmd
SummarizeShippingTaxCmd
TaxableNetPriceCalculationScaleLookupCmd
TaxableNetPricePlusNetShippingCalculationScaleLookupCmd
TaxableUnitPriceCalculationScaleLookupCmd
TaxableUnitPricePlusUnitShippingCalculationScaleLookupCmd
TaxCalculationCodeApplyCmd
TaxCalculationCodeCombineCmd
TaxCalculationRuleCalculateCmd
TaxCalculationRuleQualifyCmd
TaxOrderCmd
TaxOrderItemCmd
UnitPriceCalculationScaleLookupCmd
UnitShippingCalculationScaleLookupCmd
UpdateAccountCmd
UpdateContractCmd
UpdatePersonalizationRuleServiceStatusCommand
UpdatePOSpendingCmd
UpdateReleaseManifestStatusCmd

SALESTAXCALCULATIONCODEAPPLYCMD
SEGMENTCONSTRAINTLISTCMD
SELECTCONTRACTPRICESCMD
SETBUSINESSENTITYCMD
SETORDERLEVELPARAMETERCMD
SETORDERORGANIZATIONCMD
SHIPPINGCALCULATIONCODEAPPLYCMD

UPDATESTOREADDRESSCMD
UPDATETADEPOSITRECORDSCMD
UPDATETAREFUNDCMD
UPDATETASPENDINGCMD
USECOUPONIDTASKCMD
USERREGISTRATIONROLEASSIGNCMD
VALIDATEBUSINESSPOLICYINCONTRACTFORSTORECMD

View Commands

PROTECTABLE
INDIRECTVIEWCOMMAND
TOOLSFORWARDVIEWCOMMAND

Chapter 6. New and changed database tables in WebSphere Commerce 5.4

The following tables are new for WebSphere Commerce 5.4 Please refer to the WebSphere Commerce online help for detailed information on the table descriptions and how to use them.

Table Name	Description
ACACGPDESC	Stores locale specific information for the ACTIONGRP table.
ACACTACTGP	Captures the association between actions and the action groups. Given an action, all the actions associated with it can be found.
ACACTDESC	Stores locale specific information for the ACTION table.
ACACTGRP	Stores all the action groups in the system. In case of UBF, this table will have the guard names.
ACACTION	Lists all the actions in the system. Typically the actions map to the commands in the system but we can also have the UBF transitions as actions or any Java String as an action.
ACATTR	This table is a master list of attributes for the resources.
ACATTRDESC	Stores locale specific information corresponding to the RESATTR table.
ACCLOGMAIN	Contains information about access violation. Entries are created only if a violation has occured. There will only be one entry per request. Detailed information is stored in the ACCLOGSUB table.
ACCLOGSUB	This table contains detailed information of the request causing access violation. The entries are linked to the ACCLOGMAIN table.
ACCOUNT	Each row of this table represents a business account between a Buyer organization and a Seller organization. A business account can be used to organize various Trading Agreements and to specify special Trading Terms and Conditions.
ACORGPOL	Records the fact that an organization has updated or deleted one or more of the template organization policies at the organization level.
ACPOLDESC	Stores locale specific information for the POLICY table.
ACPOLICY	Stores all the access control policies in the system. Each policy is a row in the policy table.
ACRELATION	Lists of all the relations that exist in the system.
ACRELDESC	Stores locale specific information about relationships.
ACRESACT	Captures the relationship between resources and actions. Given a resource, we can find out the associated actions from this table.
ACRESATREL	Stores the attributes for a given resource on which it can be implicitly grouped. The metadata information about attributes is used in the GUI for defining resource groups and also for generating the SQL for prefiltering.
ACRESCGRY	Stores the metadata information about all the resources in the system.
ACRESGPDES	Stores locale specific information for the ACRESGP table.
ACRESGRP	Stores all the resource groups in the system. The conditions column stores an XML document containing the constraints and attribute value pairs used for grouping the resources.
ACRESMEMRL	Can store resource member relationships for resources belonging to different resource categories.

Table Name	Description
ACRESPRIM	Stores the primary resource column names for a resource.
ACRESREL	Stores the relationship between resources and the relationships. Given a resource, we can find out the possible relationships that it can have and also the table and the columns in which various relationships are stored.
ACRSCGDES	Stores the NL display names for resource categories.
APRVSTATUS	Stores approval requests and their status. Contains multiple rows for each action awaiting approval, one row for every potential approver. Each entry is unique per approver, entity tuplet. FlowType_Id indicates which type of EntityId is pending approval.
ATTACHMENT	This table contains information about attachments.
ATTACHUSG	The attachment usage table.
AUCPAYINFO	Reserved for IBM internal use.
BASEITEM	Base items represent a general family of goods with a common name and description. Base items are used exclusively for fulfillment. Each Catalog entry that represents a product in the catalog has a corresponding base item for fulfillment purposes.
BASEITMDSC	Stores language-dependent information for a base item.
BKORDALLOC	Stores information about the quantity required for back ordered order items and the amount of available inventory allocated to them.
BKORDITEM	Stores the expected ship date of back ordered order items.
BUYERPO	Stores purchase order numbers that the buyer organization of the account has defined or used for trading with the seller organization. The number is only unique within the account.
BUYERPOTYP	Defines the different types of buyer purchase orders for the site.
BUYSUPMAP	Registers the buyer organization using procurement systems with supplier organizations.
BUYSUPSEC	Reserved for IBM internal use.
BZSRVCFG	Contains rule server configuration data. Each row represents a rule server.
BZSVCCFG	Contains rule service configuration data. Each row represents a rule service configuration, including to which rule server the service belongs.
BZSVCSTA	Indicates the last-known status of a rule service. Each row represents status reported by an application clone for a rule service.
CALCODEMGP	The CalculationCodeQualifyMethod can use the rows of this table to restrict use of a CalculationCode to members of certain MemberGroups.
CHKCMD	The check commands that can be used by a store to determine whether the scheduled job needs execution. This is for the Scheduler menu in the Administation Console.
CATCLSFCOD	Stores the assignment of ClassificationCodes to CatalogEntries.
CATCONFINF	Stores additional information for CatalogEntries that represent Configurable Products. This information may be required by an external configurator to configure this CatalogEntry.
CATEGORY	This summary table relates CatalogGroups (or Categories) to the CatalogEntries that are inside them. It contains precomputed results based on the data existing in the underlying tables CATGPENREL and CATENTREL its definition is based on.
CATGRPPS	This table relates CatalogGroups to ProductSets. Every CatalogEntry under the Catalog sub-tree for this CatalogGroup is a member of the specified ProductSet.
CATGRPTPC	Reserved for IBM internal use.
CHARGETYPE	Charge or credit applied against a transaction which is not for product. Examples include expedite fees, customization fees, and restocking fees.

Table Name	Description
CHKARRANG	Associates the defined store commands (SCHCMD) with the defined check commands (CHKCMD).
CHRGTYPDSC	This table contains the language-dependent descriptions of the Charge Type.
CLASIFCODE	This table contains all possible product classification codes under different classification domains (such as UNSPSC, SPSC, and so on) that can be assigned to CatalogEntries.
CLSFCODEDS	This table contains the language specific information of product classification code.
CNTRDISPLY	The contract display table.
CNTRNAME	The contract name table, used to force serialization on contract management)
CPITMAP	This table stores all the items from the given (completed) order that were applicable to the selected coupon set.
CPOFFER	This table contains the promotions that are available to be shown to customers in their offer list.
CPPMN	This table gives the details of what a promotion is, and reference to its purchase, validity and discount conditions.
CPPMNDESC	This table contains the language specific description of the promotion.
CPPMNDISC	This table contains the discount conditions for a promotion. Every coupon has exactly one calculation code.
CPPMNORD	This table contains the minimum purchase amount in the shopping cart for this coupon to be applicable to.
CPPMNPROD	This table contains the purchase conditions for a promotion. If the purchase condition type in CPPMN table was "P", then this table is used to find out all the items that are required for this Coupon to be redeemed.
CPPMNVAL	This table contains the extended validity condition of a promotion. This table is currently not used. This is intended for providing more functionality in the future.
CPWALLET	This table contains the coupons that the user has accepted.
CREDITLINE	Each row of this table represents a credit line the account holder (buyer organization) has with the seller organization. This credit line is associated with a specific business account.
DISTARRANG	Each row of this table represents a DistributionArrangement, enabling a Store to sell its own inventory.
EMSPOT	This table contains registered e-Marketing Spots.
ENUMDESC	This table contains language specific descriptions of enumerations used in the Catalog Manager Web Editor.
FLCOMPOSE	Contains a list of flows and their sequence for a particular multi-statge flow. For example, for multi-stage flow with CompositeFlow_Id of 201 with flow type sequence of 101-102-103, there will be 3 entries: (201, 101, 0), (201, 102, 1), (201, 103, 2).
FLDOMNDESC	This table contains descriptions of flow domains for NLV.
FLINSTANCE	This table contains all runtime flow instance data. This table has a combination primary key (FlowType_Id and Entity_Id). Entity_Id is the reference ID for a business object which UBF is managing.
FLOW	This table contains flows for each flow type. A flow represents the state machine for a business process and is one level below a flow type in the business flow hierarchy. Examples are FastRFQRequest, OneLevelApprovalRFQRequest, and so on.
FLOWADMIN	Contains a list of flows that members of an organization can use for a particular market. This is set up by the administrator of the organization unit.

Table Name	Description
FLOWDESC	This table contains descriptions of flows for NLV.
FLOWDOMAIN	This table contains a list of flow domains defined in the marketplace. A flow domain is the highest level of business flow hierarchy. Auction, RFQ, order, registration are some examples of flow domains.
FLOWTYPE	This table contains flow types for each flow domain. A flow type is one level below a flow domain in business flow hierarchy. Examples of flow types for the flow domain RFQ are RFQ Request and RFQ Response.
FLSTATEDCT	This is a state dictionary. States are unique to a flow type. Applications (of particular flow types) using UBF are expected to have a column of INTEGER data type in their entity tables to store the state information (identifier).
FLSTATEGP	This is the state group dictionary. It is unique within a flow type. State groups help group semantically similar states together and can be helpful in retrieving a list of items in similar states without hard-coding all states in a query.
FLSTATEREL	Represents the relationship between states and flows. A state, defined under a particular flow type, is shared by flows belonging to that flow type. This table allows flows to customize states with its own entry action, exit action, and response view.
FLSTDCTDSC	This table contains descriptions of states for NLV.
FLSTGPDSC	This table contains descriptions of flow state groups for NLV.
FLTRANSDSC	This table contains descriptions of transitions for NLV.
FLTRANSITN	This table contains a list of transitions for a particular flow. A transition contains sourceState, targetState, eventIdentifier, action, and is unique within a flow.
FLTYPEDESC	This table contains descriptions of flow types for NLV.
HISTOATTR	This table stores information about each attribute used to build the histogram.
HISTOFREQ	This table stores the frequency array of a histogram.
HISTONVP	This table stores some useful Name-Value-Pairs (NVP) for the histogram.
INTVSCHED	This table describes the scheduling of initiatives onto e-Marketing Spots.
INVADJCODE	Each row of this table defines an InventoryAdjustmentCode for a Store, or the Stores in a StoreGroup. Each code represents a reason for an InventoryAdjustment, such as broken, lost, or found.
INVADJDESC	Each row of this table contains Language-dependent information about an InventoryAdjustmentCode.
INVADJUST	Records adjustments made to inventory at the receipt level.
INVITMVW	This is a view derived from the RECEIPT and ITEMFFMCTR tables which contains the existing quantity available for an item across all Stores and FulfillmentCenters.
INVOICE	This table stores the invoice XML generated for the order release. An order release is represented by a row in the ORDRELEASE table.
INVRESERVE	Each row contains information about existing inventory that has been reserved for such purposes as auctions. This reserved inventory is not available for customer orders until the reservation is reversed.
INVRSRVDSC	Each row contains language specific descriptions for the types of inventory reservations that the user has defined.
INVRSRVTYP	Each row contains user defined reservation types that can be used when reserving inventory.
INVSTFFMVW	This is a view derived from the RECEIPT and ITEMFFMCTR tables which contains the existing quantity available for an item at a Store and FulfillmentCenter.
INVSTVW	This is a view derived from the RECEIPT and ITEMFFMCTR tables which contains the existing quantity available for an item for a given store across all FulfillmentCenters.

Table Name	Description
ITEMFFMCTR	Each rows contains information about reserved quantities, amount on backorder, and amount allocated to backorders for items owned by a store at a fulfillment center.
ITEMSPC	Information about specified items. A specified item is a product with values for all its attributes. A specified item could correspond to a 2L bottle of milk, with 2% fat content. A specified item is the customer view of what the merchant sells.
ITEMTYPE	Each row of this table represents a type of BaseItem.
ITEMVERSN	Each row of this table represents an ItemVersion for a BaseItem. The current ItemVersion for a BaseItem is the ItemVersion with the earliest expiration time which is not yet in the past.
LMEVENTMAP	LikeMinds event information. This information is also stored in the LikeMinds server database.
LMSERVER	This table holds the LikeMinds server information.
LPOPURAMT	This table is used to keep track of Purchase Amounts by Purchase Order number and by Orders. Entries are created only for Orders against Limited Purchase Order (PO) numbers.
MANIFEST	One record exists for each manifest (package) produced for an order release. Therefore, if a release contains five boxes there will be five records.
MBRATTR	This table contains an attribute definition dictionary for members.
MBRATTRVAL	This table stores the values of attributes which are defined in the MBRATTR table for members.
MBRGRPCOND	This table stores the conditions for an implicit memberGroup.
MBRREL	Stores membership hierarchy relationships among users and orgEntities. Note that memberGroup is not part of the membership hierarchy.
MBRROLE	This table stores role assignment for members. Each member can play one or more roles in the WebSphere Commerce system. When a member is assigned a role, the orgEntity for which the member plays that role can also be specified.
MLTIME	This table is used by the MassLoader component as register of current timestamp.
NUMBRUSG	Each row defines a NumberUsage object. Numbers such as quantities and monetary amounts can be rounded and formatted differently depending on their associated NumberUsage objects. The CurrencyManager and QuantityManager cache this information.
NUMBRUSGDS	Each row of this table contains language-dependent information for a NumberUsage.
OICOMPLIST	Each rows contains information about the components of a DynamicKit as defined for a particular OrderItem.
OPERATOR	This table is used to define operators.
OPERATRDSC	This table holds the language-dependent information related to an operator.
ORCPMAP	This table stores information about the eCoupons that were used with the given (completed) Order.
ORDCALCD	Each row of this table indicates to the CalculationCodeCombineMethod that a CalculationCode is directly attached to all OrderItems in an Order whose directCalculationCodeAttachment flag in ORDERITEMS.PREPAREFLAGS is 1.
ORDCHNLTYP	Reserved for IBM internal use.
ORDERMGP	This table is used to track the customer profiles to which an Order is associated.
ORDIMEEXTN	This table contains procurement system specific OrderItem information.
ORDIPROF	Reserved for IBM internal use.

Table Name	Description
ORDITRD	Each row of this table indicates a TradingAgreement that was searched to obtain the price for an OrderItem. These rows are created by the OrderItemAdd and OrderItemUpdate commands.
ORDMEEXTN	This table contains procurement system specific order information.
ORDPICKHST	Details of the how inventory was picked from the receipt level when available inventory is allocated to an order item.
ORDRELEASE	Each row in this table represents an OrderRelease. An OrderRelease is a grouping of all OrderItems in an Order that are to be shipped to the same address using the same shipping mode from the same fulfillment center at the same time.
ORDSHIPHST	Each row contains information about inventory that has been released for fulfillment of an OrderItem.
ORGCODE	This table contains the unique identification of an organization entity under different identification systems or domains. This can be used to identify buyer organizations and supplier organizations to each other in procurement systems.
OUTPUTQ	Reserved for IBM internal use.
OUTPUTQDSC	Reserved for IBM internal use.
PARTICIPNT	The trading Participant table
PARTROLE	The Participant role table
PARTROLEDS	The Participant role description table
PATTRDESC	This table contains personalization Attribute descriptions.
PATTRIBUTE	This is the personalization Attribute supported by the site.
PATTRPROD	The relationship table between the PATTRIBUTE and CATENTRY tables.
PATTRVALUE	The personalization Attribute Value table. This table holds the values associated with personalization attributes.
PAYSUMMARY	Each row of this table stores a payment summary XML that could be sent to an external accounting system. The summary is by Store, Account and payment policy.
PICKBATCH	Records information about a pick batch. A pick batch is a way to group together order releases for processing at a FulfillmentCenter.
PLCYACCDSC	This table holds language dependent information related to an Account Policy.
PLCYACCLCK	Stores account lockout policies.
PLCYACCT	Stores the account policies.
PLCYLCKDSC	This table holds language dependent information related to an Account Lockout Policy.
PLCYPASSWD	Stores password policies.
PLCYPWDDSC	This table holds language dependent information related to a password policy.
PLCYTYCMIF	The policy type to command interface relationship table
PLCYTYPDSC	The policy type description table
POLICY	The business policy table
POLICYCMD	The policy to command relationship table
POLICYDESC	The policy description table
POLICYTC	The table shows which business policy is referenced by a term or condition.
POLICYTYPE	The policy type table
PROCBUYPRF	This table contains the buyer organization specific profile information of procurement system protocols to support Procurement System integration.

Table Name	Description
PROCMSGVW	This table contains the view names used to compose the response message sent to procurement systems. Response message composition can be customized (per buyer, per protocol) using this table.
PROCPROTCL	Each row of this table represents a procurement system protocol and its version number. For example, cXML, OCI, OBI, and so on.
PROCSYS	Each row of this table represents a Procurement System. Examples of Procurement systems are Ariba, Oracle, CommerceOne, and so on.
PRODSETDSC	This table holds the language-dependent information related to ProductSets.
PRODUCT	This summary table relates Stores to CatalogEntries inside them and their offer price. It contains precomputed results based on data existing in underlying tables CATENTRY, CATENTDESC, STORECENT, STOREENT, OFFER, OFFERPRICE and TRADEPOSCN.
PRODUCTSET	This table holds the definition of a ProductSet. The actual representation of the ProductSet is held in the PRSETCEREL table.
PRSETCEREL	This table holds the expanded (published) form of a ProductSet.
PURCHASELT	The Purchase Limit table.
QTYUNITMAP	Each row of this table maps a QuantityUnit (defined in the QTYUNIT table) to a unit of measurement code defined in an external standard.
RA	Records general information about inventory expected from a vendor.
RABACKALLO	Each row contains information about how backorders are allocated against expected inventory.
RADETAIL	Detailed information about items on an expected inventory record.
RCPTAVAIL	Defines which distribution arrangements have access to received inventory.
RCPTITMVW	A view which summarizes the quantity of inventory available from the RECEIPT table for an item across all Stores and FulfillmentCenters.
RCPTSTFFVW	A view which summarizes the quantity of inventory available from the RECEIPT table for an item owned by a Store at a FulfillmentCenter.
RCPTSTVW	A view which summarizes the quantity of inventory available from the RECEIPT table for an item owned by a Store across all FulfillmentCenters.
RECEIPT	Each row contains information about each receipt of an item at a FulfillmentCenter.
REFUNDMTHD	Reserved for IBM internal use.
RFQ	The RFQ table holds the basic RFQ data.
RFQPROD	RFQ Request and Product relationship table. This table stores information about the products requested in an RFQ.
RFQRSP	RFQ Response table. This table stores the basic RFQ response information.
RFQRSPPROD	RFQ response and product relationship table. This table stores the products included in a specific RFQ Response.
RFQRSPTCRL	The relationship between one specified RFQ term or condition, and an RFQ Response to this term or condition.
RICHATTR	This summary table relates Attribute CatalogEntries to AttrValue CatalogEntries. It contains pre-computed results based on the data existing in the underlying tables ATTRIBUTE and ATTRVALUE.
RLDISCOUNT	Reserved for IBM internal use.
RMA	This table is a container for return merchandise authorizations (RMAs).
RMAAUTHLOG	This table is a log of when each return merchandise authorization (RMA) was authorized. A single RMA may appear multiple times if changes were made and the RMA was re-authorized.

Table Name	Description
RMACHARGE	This table stores charges or credits, applied to a return merchandise authorization (RMA), which are not for sellable products or services. This can be applicable to the entire RMA or to a specific RMA item, such as restocking fees or shipping credits.
RMAIADJCRD	This table stores return merchandise authorization (RMA) item adjustment credits. These are the portion of an order item adjustment that is to be refunded to the buyer.
RMAIDNYRSN	A joint table which specifies reasons for denying a return merchandise authorizatoin (RMA) item.
RMAITEM	This table stores item information for a return or credit for a return merchandise authorization (RMA).
RMAITEMCMP	This table describes the smallest unit of inventory items involved in a return merchandise authorization (RMA).
RMATAX	This table stores return merchandise authorization (RMA) tax credits.
ROLE	This table stores the roles defined in WebSphere Commerce. Once a role is created, you cannot change the name or description of a role using a graphical user interface tool.
RTNDNYDESC	This table stores the language-dependent descriptions of the reasons for denying return merchandise authorizations (RMAs).
RTNDNYRSN	This table stores denial reasons for return merchandise authorization (RMA) items. These are the reasons for which an RMA item was not automatically approved by the system.
RTNDSPCODE	This table stores return disposition codes to describe how a received item is disposed.
RTNDSPDESC	This table stores the language-dependent description of a return disposition code.
RTNRCPTDSP	This table describes how a returned item has been disposed.
RTNREASON	This table stores the reason for customer dissatisfaction with a product.
RTNRECEIPT	This table stores the receipt record that indicates that a returned item, from a return merchandise authorization (RMAA), has been received and specifies information about the received items.
RTNRSNDESC	This table stores the language-dependent description of the return reason codes.
SCHCMD	The URL commands that can be used as a scheduled job by a store. This is for the scheduler menu in the Administation Console.
SHPARJURGP	Each row of this table indicates that a ShippingArrangement applies to all OrderItems whose shipping addresses match a ShippingJurisdictionGroup. Refer to SHPARRANGE.FLAGS.
STGUINDTAB	This is the configuration table for unique index conflict check.
STORECNTR	Each row of this table indicates that a Contract is deployed in a Store.
STOREITEM	Each row of this table contains attributes that affect how a particular Store allocates inventory for the specified items of a particular BaseItem. If there is no row for the Store, then the row for its StoreGroup is used.
STORITMFFC	Each row of this table contains information about a BaseItem for a particular Store (or all the Stores in a StoreGroup) and FulfillmentCenter.
TCDESC	The terms and conditions description table
TCPITMAP	This table stores all the items from the shopping cart that are applicable to the current coupon for the Coupon Decision Support system.
TCSUBTYPDS	The T&C sub type description table
TCSUBTYPE	The T&C Sub type table
TCTYPE	This table contains the types of terms and conditions.
TERMCOND	The terms and conditions table

Table Name	Description
TFALGOPOL	Trading Framework Algorithm Policies. This table associates every supported algorithm type with one or more policies. For instance, a matching algorithm could perform "many-to-many" matches, "one-to-many" matches, "partial" matches and so on.
TFALGOREG	Trading Framework Algorithm Registry. Algorithms registered in this table can be dynamically associated with trading processes and applied at the specific/appropriate stages within the processes.
TFALGOTYPE	Trading Framework Algorithm Type. All algorithm types - e.g. pricing, matching, evaluation etc. - supported by the trading framework must be registered in this table.
TFALGPOLDS	Trading Framework Algorithm Policy Description.
TFALGTYPDS	Trading Framework Algorithm Type Description.
TFALREGDSC	Trading Framework Algorithm Registry Description
TFDOMAIN	Trading Framework Domain. All Trading Framework supported components must be registered in this table.
TFDOMDSC	Trading Framework Domain Description
TFEXTENG	Trading Framework Extended Engine. This table holds additional information that a trading engine may require.
TFSBDOMAIN	Trading Framework Subdomain. This table contains the list of all subdomains for the supported domains(For domains see the TFDOMAIN table). For instance, the trading domain may be "Forward Auctions", with subdomains "Open Cry", "Sealed Bid" and "Dutch".
TFSBDOMDSC	Trading Framework Subdomain Description.
TFTRADENG	Trading Framework Trading Engine. A trading engine can manage one or more trading processes in a similar manner.
TFTRENGDSC	Trading Framework Trading Engine Description.
TMPBOLIST	Reserved for IBM internal use.
TMPCMPLIST	Reserved for IBM internal use.
TMPFFCLIST	Reserved for IBM internal use.
TMPRADTL	Reserved for IBM internal use.
TMPRCTLIST	Reserved for IBM internal use.
TORCPMAP	This table stores information about the coupons that are applicable on the current shopping basket while the decision support system is running.
TRADING	Each row in this table represents a trading agreement.
TRDATTACH	The trading to attachment relationship table
TRDDEPAMT	This table is used to keep track of Deposited Amounts by Trading Agreements, by Orders / OrderItems.
TRDDESC	The trading agreement description table
TRDPURAMT	This table is used to keep track of Purchase Amounts by Trading Agreements, by Orders / OrderItems. Entries are created only for Trading Agreement with Right-to-Buy by Amount or Obligation-to-Buy by Amount Terms and Conditions.
TRDREFAMT	This table is used to keep track of Refund Amounts by Trading Agreements, by Orders and by RMA Id. Entries are created only for Trading Agreement with Right-to-Buy by Amount or Obligation-to-Buy by Amount Terms and Conditions.
TRDTYPE	The trading type table
TRDTYPEDSC	The trading type description table
VENDOR	Each row defines a Vendor who has a relationship with a Store, or all the Stores in a StoreGroup, generally to provide inventory.

Table Name	Description
VENDORDESC	Language specific information about Vendors.
VERSIONSPC	Each row defines the relationship between a product version and a specified item.
WCMLANG	This table contains the current installed Language for the Catalog Manager Web Editor.
WCSDICTNRY	Reserved for IBM internal use.
WCSDTNRYDS	This is a description table to the WCSDICTNRY table.

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