

# WebSphere Commerce V7 Feature Pack 1

## Feature pack overview



This presentation provides an overview of the product enhancements in WebSphere® Commerce V7.0 Feature Pack 1. You should have a general knowledge of the features in WebSphere Commerce V7.0 before viewing this presentation.

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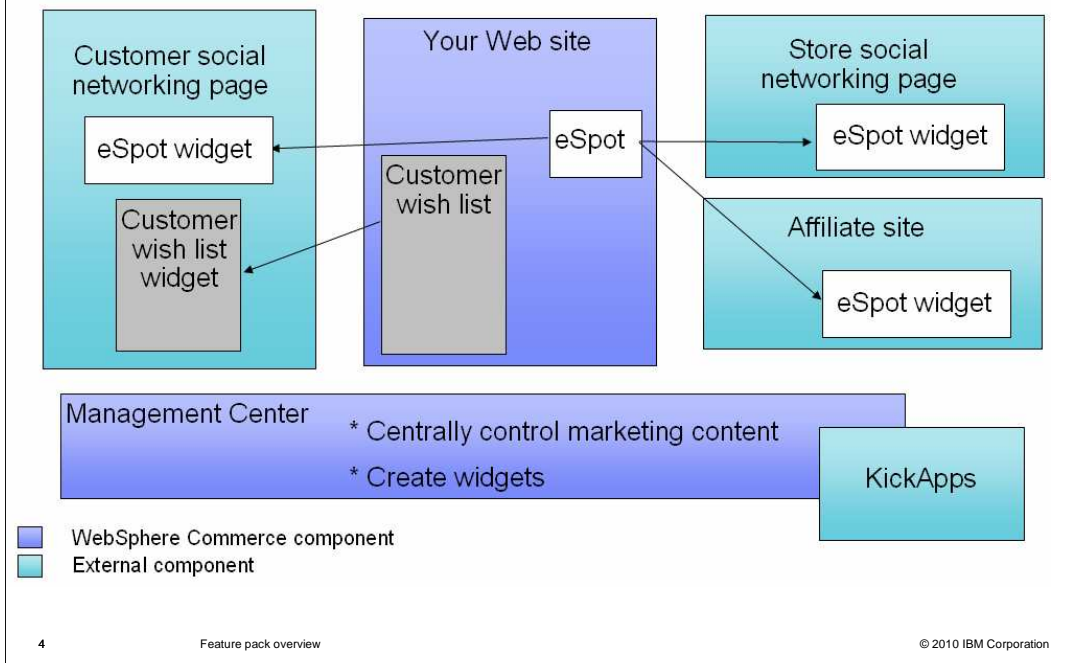
The features delivered in WebSphere Commerce V7.0 feature pack 1 are part of two existing product themes: customer-centric features, and foundational leadership. This presentation will introduce you to the features associated with each theme. The customer centric features are remote widgets and digital coupons. These features are described first. Following the customer-centric features are the foundational leadership features which include localized starter stores, catalog tool enhancements, reducing total cost of implementation, and installation and stack upgrades.

Section

***Customer-centric features:  
Remote widgets***

This section covers the remote widgets features.

## Remote widget overview



Remote widgets provide a way for you to share store content on Web sites outside of WebSphere Commerce. In this diagram, the blue boxes represent Web sites and tools within WebSphere Commerce and the green boxes represent Web sites and tools outside of WebSphere Commerce. Data that typically exists only within your WebSphere Commerce store, such as e-Marketing Spot content and customer wish lists can now be consumed and shared by your customers on their social networking sites. You can also extend e-Marketing Spot content to store branded social networking pages or affiliate sites.

The creation of all the marketing content is centralized in the Management Center marketing tool. You can reuse existing store e-Marketing Spots to deliver content for remote widgets or you can create separate e-Marketing Spots and Web activities dedicated to external site content. Integration with a vendor tool called KickApps provides a convenient way to package e-Marketing Spot content as a sharable remote widget. You can access KickApps directly from Management Center.

## Extending brand reach

- Retailer driven
  - Embed widget on affiliate sites
  - Create an e-Marketing Spot widget that customers can embed on blogs and social networking pages
  - Offer e-Marketing Spot content as a feed
- Customer driven
  - Create multiple wish lists
  - Share wish lists or gift registries as widgets on blogs or social networking pages
  - Embed e-Marketing Spot widget on blogs or social networking pages
- Centralized control with Management Center and KickApps

The goal of the remote widgets feature is to help you extend your brand reach beyond your WebSphere Commerce store. This extension can be a planned part of your marketing strategy, or in other words retailer driven. It can also be a more organic growth centered on your customers and their preference to share information outside of your store.

Examples of these two methods of extending brand reach were shown in the picture on the previous slide. From a retailer perspective, you can create remote widgets that are then embedded on your affiliate sites or other external social networking sites. You can also choose to make these widgets available for customers to share to their own social networking sites. In addition to the Flash-based visual widgets, you can also offer e-Marketing Spot content as a feed which your customers can subscribe to.

From a customer perspective, you have a lot more control over your product wish list. You can now create, name, and manage multiple wish lists for different occasions. You can also share a specific wish list or gift registry with friends and family by using a remote widget to add it to your blog or social networking site. As a customer, you can also keep up with store specials and other advertising using an e-Marketing Spot remote widget or subscribing to an e-Marketing Spot feed.

## E-Marketing Spot Share and Subscribe links

Widget link

Feed link

Deals of the Week

Share Subscribe

Product	Original Price	Discounted Price	Action
Patio Set	\$300.00	\$259.99	Add to Cart
Rattan Chair	\$75.00	\$69.99	Add to Cart
Garden Arbor	\$240.00	\$199.99	Add to Cart
Snack Table	\$180.00	\$169.99	Add to Cart

This screen capture shows an e-Marketing Spot enabled for remote widget sharing and feed subscription.

## Design highlights

- RESTful Web application
  - Leverages JAX-RS
  - Converts incoming requests to OAGIS service requests
  - Transforms SDOs to Atom feeds
  - JET pattern for enabling new resources
- KickApps
  - Third-party solution for widget creation and syndication
  - Integrated with Management Center

The remote widget and feed content is provided by a new RESTful Web application that uses JAX-RS. The application converts incoming requests into traditional WebSphere Commerce service requests and then transforms the response data into Atom format. This Atom feed is consumed by feed readers or KickApps widgets to display the content outside of your WebSphere Commerce store. This new Web application provides support for sharing E-Marketing Spot, wish list, and gift registry data. You can customize it to share other types of data. A JET pattern is provided to assist with this customization.

KickApps is a Web-based vendor solution for creating and syndicating Flash widgets. It can be directly integrated with Management Center to provide a seamless transition from defining a Web activity to distributing the content through a widget.

## ***Customer-centric features: Digital coupons***

This section covers the new digital coupon features.



## Coupon enhancements

The screenshot shows the Madisons Mobile app interface. At the top, there is a header with the Madisons logo and the text 'MADISONS MOBILE' and 'Sign Out'. Below the header, there is a navigation menu with 'Home | My Account' and 'My Account'. Under 'My Account', there are several menu items: 'My Orders', 'My Personal Information', 'My Address Book', 'My Wishlists', 'My Subscriptions', and 'My Coupons'. Below the navigation menu, there is a section titled 'My Coupons'. This section contains a table with two columns: 'COUPON' and 'EXPIRATION DATE'. The table has one row with the following data: '25% off coffee tables' and 'May 25, 2010'. To the right of the table, there is a 'Remove' button. A yellow callout bubble points to the 'Remove' button with the text 'Link to new details view in Madisons'. Another yellow callout bubble points to the 'My Coupons' section with the text 'Coupon wallet for Madisons mobile'.

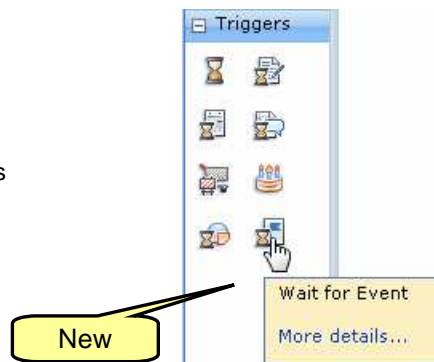
COUPON	EXPIRATION DATE
<a href="#">25% off coffee tables</a>	May 25, 2010

The coupon support in the Madisons store has two enhancements in feature pack 1. First, coupons are now supported in the Madisons mobile store. Second, the coupon wallet in the Madisons store now provides a link to a view of the coupon details. The details include the long description of the promotion and any restrictions on use.

In addition to the visual changes, there is also a new set of services for accessing the coupon wallet and individual items. The JavaServer™ Pages files have been updated to replace the data bean with the new services but other than the two changes shown on this slide, the store front coupon function remains unchanged from V7.

## Marketing enhancements

- Updated Purchase History target
  - New time frame option
- New trigger to support user-defined events
  - WebSphere Commerce events
  - Custom store events
  - External events



In the Management Center Marketing tool, there are updates to the Purchase History target and a new dialog activity trigger. The Purchase History target now supports a new time frame option that increases the granularity of customers you are able to target. The new option is 'In the last number of orders'. By comparison, all the other time frame options refer to a point in time. For example, the new time frame option allows you to target specific criteria in a customer's most recent order regardless of how long ago that order was placed.

For dialog activities, a new type of trigger has been added as shown in the screen capture. The new trigger, called Wait For Event, can be configured to recognize many different kinds of events without requiring a new custom trigger to be defined. For example, you can use this trigger to recognize existing WebSphere Commerce events that do not currently have their own trigger, such as add to wish list. You can also use it to recognize and react to custom store events you define or even external events that are received by WebSphere Commerce. Since this trigger is capable of recognizing a wide range of events you might require some assistance from a store developer to confirm the name of the event to wait for.

## Promotion enhancements

Redemption method

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Promotion code specification Simple and advanced generated codes

Create public promotion codes  
 Simple system-generated unique promotion codes  
 Advanced system-generated unique promotion codes  
 Using imported unique promotion codes Imported codes

Prefix

\*Unique system-generated code length

Suffix

Example codes  
 abcC3HX8-10  
 abcHCSN3-10  
 abcV3DT0-10

Number of unique codes to be generated

Maximum number of possible unique codes

Code generation status

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In the Management Center Promotions tool, support for unique promotion codes has been added. A unique promotion code is a value that can be redeemed exactly once. It cannot be shared or passed between friends or family members. Setting up a promotion with unique codes requires a much larger number of codes than when public codes are used. For this reason, unique codes are either generated or imported. Management Center supports the creation of either simple or advanced system-generated codes. If you have an external system that generates promotion codes, you can import them into Management Center as a comma separated value file. A promotion can then be created using the unique imported codes.

***Foundational leadership:  
Localized starter stores***

This section covers the localized starter stores for Brazil and China.

## Overview

- Starter stores specific to Brazilian and Chinese markets
- Add-on to Madisons store
- Based on business-to-consumer business model
- Supports extended sites
- Supports Web 2.0

The Brazil and China starter stores introduced in feature pack 1 provide a fast path to delivering market-specific store features. The stores are based on the existing Madisons starter store and support extended sites. The Web 2.0 capabilities of Madisons are also included. You can find charts comparing the features of each store to the base Madisons store in the Information Center.

## Brazil starter store

- Localized look-and-feel
- Brazilian-style promotions
- Brazilian user data
- Brazilian payment methods

The screenshot displays the MADISONS BRAZIL website interface. At the top, there is a navigation bar with links for Home, Shopping Cart, My Account, and Order. Below this is a secondary navigation bar with categories: Furniture, Tableware, Kitchenware, and Apparel. The main content area shows a product page for a 'Red Leather Roll Arm Chaise'. The product is priced at \$749.99, with a current price of \$454.99, representing a 30% discount. A 'Free Shipping' banner is visible below the price. A yellow callout box with the text 'Payment based promotions' points to this banner. Other elements include a 'Compare' section, an 'E-mail Newsletter' sign-up, and a footer with the text '© 2010 IBM Corporation'.

The Brazil starter store provides all the pages and features necessary for a functioning consumer direct online store for the Brazilian market. It is designed and contains features to meet the market demands of Brazil, ensuring increased sales to Brazilian customers. Support for payment-based promotions has been added for this store. There are also many examples of featured promotions for individual items.

The Brazil starter store contains Brazil-specific address fields in the registration and checkout flows and enables customers to register with the store as either a business or a consumer. It also includes support for vendor payment providers and installment payments.

## Brazilian user data

- Código de Endereçamento Postal (CEP)
- For consumer customers
  - Cadastro de Pessoa Física (CPF)
- For business customers
  - Cadastro Nacional de Pessoas Jurídicas (CNPJ)
  - Company Tax ID
  - Company Legal Name
  - Company Short Name

Personal Information

Welcome Back, Test! Last logon: February 2, 2010 1:27:46 PM

\* denotes required fields

<p>Password: <input type="password"/></p> <p>First Name: <input type="text"/></p> <p>* CNPJ: <input type="text" value="44383334000167"/></p> <p>* Company Legal Name: <input type="text" value="Company ABC"/></p> <p>* Street address: <input type="text" value="1234 First Avenue"/></p> <p>* Country/Region: <input type="text" value="Brazil"/></p> <p>* CEP: <input type="text" value="12345678"/></p>	<p>Verify password: <input type="password"/></p> <p>* Last Name: <input type="text" value="Test"/></p> <p>Company Tax ID: <input type="text"/></p> <p>* Company Short Name: <input type="text" value="ABC"/></p> <p>* City: <input type="text" value="Test"/></p> <p>* State/Province: <input type="text" value="Test"/></p>
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The personal information page is similar to the Madisons store with the addition of Brazilian user data fields for both consumer customers and business customers. The Código de Endereçamento Postal (CEP) field has been added for all customers. For consumer customers, the Cadastro de Pessoa Física (CPF) field has also been added.

The screen capture on this page shows a sample personal information page for a business customer. In addition to CEP, the new fields for business customers are Cadastro Nacional de Pessoas Jurídicas (CNPJ), Company Tax ID, Company Legal Name, and Company Short Name.

## Installment payments

close

**Credit Card**

VISA

Option	Interest Rate	Amount	Option	Interest Rate	Amount
VISA 1x	0%	\$454.99	VISA 9x	0%	\$50.55
VISA 2x	0%	\$227.50	VISA 10x	0%	\$45.50
VISA 3x	0%	\$151.66	VISA 11x	0%	\$41.36
VISA 4x	0%	\$113.75	<b>VISA 12x</b>	<b>0%</b>	<b>\$37.92</b>
VISA 5x	0%	\$91.00			
VISA 6x	0%	\$75.83			
VISA 7x	0%	\$65.00			
VISA 8x	0%	\$56.87			

**Boleto Bancario**

Use the Boleto Bancario payment option to pay for items without a credit card or debit card.

**Debit Card**

The following debit cards are accepted for online payments:

The payment type window in the Brazil starter store enables customers to view the available credit card and installment payment options for a selected item. The featured installment option for each type of credit card is displayed in boldface.

The Brazil starter store supports payment by Internet banking, also known as punch-out payment, Software Express payment, and Boleto payment.

Installment options are configured using the Installments tool in Management Center.



## MayUJoy (China) starter store

- Enhancements in
  - Catalog browsing
  - Registration
  - Checkout



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The MayUJoy starter store provides all the pages and features necessary for a functioning consumer direct online store for the Chinese market. It is designed and contains features that meet the market demands of China, ensuring increased sales to Chinese customers. It contains a full set of consumer direct features, including user registration, catalog browsing, promotions, and targeted marketing.

The MayUJoy starter store provides enhanced catalog browsing through multiple rich interactions including product rankings, browsing history, and My center to name a few. The registration process adds features such as China-specific address fields. A streamlined checkout flow supports purchase receipts and punch-out payment for vendor payment processors.

The screen capture shown on this slide is the MayUJoy home page. It displays much more content than the base Madisons home page. Discount information, new arrival products, 3-layer navigation, browsing history, and product ranking are all included.

## My center

- 5 in 1
  - Shopping cart
  - Wish list
  - Browsing history
  - Compare zone
  - My Account menu
- Support drag-drop



The MayUJoy starter store includes enhancements to the catalog browsing flows. These enhancements enable My center to act as a drop location when dragging items to the shopping cart, wish list, or compare zone. My center is also used to access the My Account menu, which contains links to several My Account pages.

The screen captures on this slide show you each of the My center tabs.

## Registration

- Activate account by e-mail
- Resend activation e-mail
- E-mail as login ID
- Change password menu

**From:** build%70tdvt3@cn.ibm.com **To:** mailuser1@fp100.cn.ibm.com  
**Subject:** Activate account notification

The user account you registered in MayUJoy is: mailuser1@fp100.cn.ibm.com  
 Click [here](#) to activate your account.



### Re-send activation e-mail

Let us help you

If you do not have a password, [click here](#) to set up a new account (it's free).  
 Enter your login ID and e-mail address to receive your password by e-mail.

Logon ID:   
 Password:   
 E-mail:

[Send me an](#)

\* Logon ID:  
 Test@ibm.com Please use an email address as login ID.

**Settings**

- Personal Information
- Change Password
- My Address Book**
- Quick Checkout Profile

**Wish Lists**

- Personal Wish List

**My Orders**

- My Orders

**Change Password**

\* Old Password

\* New Password

\* Verify New Password

[Change](#)

When a shopper first registers with MayUJoy, the account is not activated immediately. An e-mail is sent to the shopper with an activation URL in it. The shopper activates the account by clicking the link. The activation e-mail can be resent if needed

The MayUJoy starter store includes functionality to enable registered customers to use their e-mail address to log on instead of a user ID. It also includes a separate page for customers to change their password instead of locating it on the personal information page.

When the store language is set to Simplified Chinese, the MayUJoy starter store contains China-specific address fields in the registration and checkout flows. An example is shown on the next slide.

**Checkout**

- Order receipt
- China style shipping instructions
- China style address (Simplified Chinese only)
- No billing addresses
- No taxes
- Punch-out payment support

地区：北京 北京市 昌平区  
街道地址： 顺义区 昌平区 通州区

**Receipt Information**

I would like a receipt for this order

**Receipt Information**

Receipt Type:  Personal  Company

Receipt Title:

Receipt Content: Furniture

Receipt Instructions:

**Shipping Method**

Express Delivery - 5-Day Express Delivery

Request Shipping Date

Time Requirements

Any time

Weekends and holidays

Weekdays

Evenings

Special Instructions

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The MayUJoy starter store includes checkout features such as order receipts, enhanced shipping instructions, China-specific address fields, no billing addresses, support for punch-out payments, and disabling taxes.

On this slide you can see examples of the first three features. The order receipt covers the functions of taxing, voucher and invoice. In the China market, receipt information is always provided by a shopper during the checkout flow and shipped along with the order or sent separately. The receipt information is also captured in WebSphere Commerce and can be transferred to an external system.

Since time requirements are the most common shipping instructions in China, the MayUJoy checkout flow provides several default values.

Most addresses in China use a 3-level structure of province-city-county (district). An example of the address selection field is shown on the bottom right of the slide. This address selection field is for the Simplified Chinese language only.

Section

## ***Foundational leadership: Catalog tool enhancements***

This section covers the catalog tool enhancements.

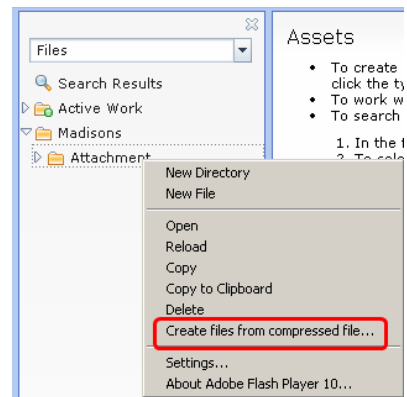
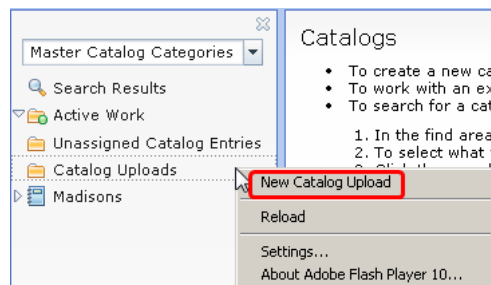
## Motivation

- Improve ease of use
- Match or exceed capabilities of Accelerator

The catalog tool enhancements in feature pack 1 are aimed at improving the ease of use of the Management Center Catalogs tool. This includes meeting or exceeding the functions provided by Accelerator to reduce the need to switch between tools.

## Catalog management features

- Catalog upload
- Compressed file upload
- Ability to move sales categories
- Data load enhancements for shipping and tax



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Four of the new enhancements focus on overall catalog management. The first is catalog upload. In Accelerator it is possible to launch a mass load import from the user interface. In Management Center, it is now possible to launch a data load. The menu option for creating a new Catalog Upload configuration is shown on the bottom left.

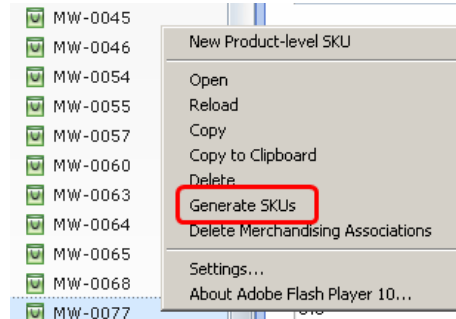
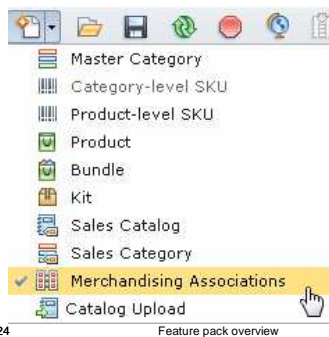
The second enhancement that benefits catalog management is the compressed file upload. This feature is part of the Assets tool in Management Center but works closely with the catalog upload capability. Compressed file upload allows you to import a file containing images for newly loaded catalog data. Each file within the compressed file becomes a managed file in the Assets tool. Compressed file upload is not specifically for loading catalog images. The compressed file can contain any type of file supported by Management Center. The compressed file upload menu option is shown at the right of the slide.

A third enhancement is the ability to move sales categories within a sales catalog. The addition of this feature gives sales catalog management in Management Center the same capability it has in Accelerator.

The final enhancement specific to catalog management is to the data load utility. When you are loading category or catalog entry data, you can now specify any calculation codes, such as shipping and tax, that are associated with the data being loaded. The calculation code itself must exist in the database before you can load these relationships.

## Product management features

- Automatically generate SKUs
- Manage all product properties
- Property editor pagination support
- Many-to-many merchandising associations



Four more enhancements focus on product management. The first is automatic SKU generation. This feature allows you to create a product, specify defining attributes and then generate items for each combination of attributes. A code, or SKU, for each item is automatically generated but you can change it to conform to your catalog SKU definitions. The new menu option for generating SKUs is shown on the right of the slide.

The second enhancement is the inclusion of all product properties for editing. Before feature pack 1, the URL field and custom catalog entry fields were not included in the product properties view. All product properties can now be accessed from Management Center.

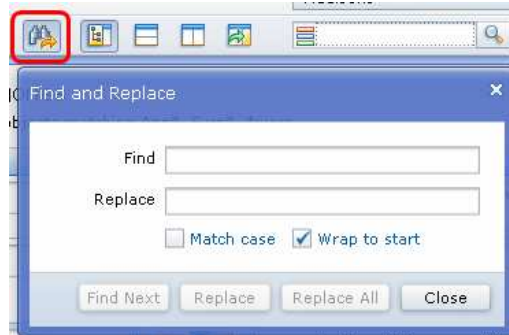
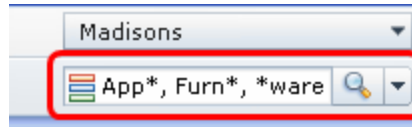
The third product management enhancement is paging support for product properties. For example, merchandising associations. Rather than having a long list that requires scrolling, product properties are now subject to the same paging configuration as other lists of objects in Management Center. The default page length is 500 entries but this can be adjusted using the Preferences panel.

The final product management enhancement is many-to-many merchandising associations. This feature allows you to create a common set of merchandising associations for multiple products at one time. You can access the merchandising associations creation page from the New menu as shown at the bottom of the slide.



## General features

- Enhanced quick search
- Find and replace



The final two enhancements improve the usability of the Catalogs tool in general. The first is enhanced quick search. This feature allows you to use multiple search terms and wildcards for category search so that you can more easily locate the set of categories you want to work with. An example quick search string is shown on the upper right of the slide.

The other general usability feature is find and replace. This option allows you to easily replace text in multiple entries in a list view. A new icon has been added to the toolbar for find and replace. The icon and the find and replace dialog are shown on the lower right of the slide.

***Foundational leadership:  
Reducing total cost of implementation***

This section covers features that support reducing the total cost of implementation.

## Overview

- A four-part solution that addresses many implementation challenges
  - Improved order flow
  - Data load for workspaces
  - Automated testing for starter stores
  - Static HTML asset for easier Web design

Reducing the total cost of ownership and implementation for WebSphere Commerce is an ongoing initiative that spans releases and functional areas of the product. In feature pack 1 there are four new initiatives included with the release. These are improved order flow, enhanced test data, and automated test scripts for the starter stores, a static HTML asset to assist in Web design, and data load capability for workspaces.

## Order flow updates


- Documentation enhancements
  - Flow diagrams
  - Task command descriptions
- Command refactoring
  - Easier customization
  - New task commands
- New capabilities
  - Inventory sharing in e-sites
  - Tax sharing in e-sites
  - Value Added Tax rules

The order flow is one of the most frequently customized parts of WebSphere Commerce business logic. Customizing the order flow requires an understanding of the existing flow and the various commands that provide specific parts of the business logic. Making the order flow easier to customize begins with enhanced documentation. The Reference section of the V7 Information Center has been updated with detailed flow diagrams that document the existing order commands and state transitions of an order during processing. You can use these diagrams to understand the overall flow and pinpoint the area you need to customize. Another addition to the Information Center is detailed task command descriptions. Task commands are often the piece of logic you need to replace with custom code and the new documentation describes the behavior of each of the primary order task commands. To make it easier to replace a specific piece of logic, some of the task commands have been refactored and others have been created.

Feature pack 1 also provides new business logic to support some frequent order flow customizations. The extended sites model now supports non-ATP inventory and tax rule definitions at the asset store level. This means fulfillment centers and tax rules can be defined once and shared among multiple extended sites. Another new feature is the support for Value Added Tax in addition to the traditional tax model.

## Value added tax support

- Tax included in price
- Site or store level support

Product	Expedite Shipping	Availability	Qty	Each	Total
 <p> <a href="#">All season passenger tire</a>            SKU: A0000511  <a href="#">Change Attributes</a>            Contract: Elite Contract number 1234  <a href="#">Remove</a> </p>	<input type="checkbox"/>	In-Stock	1	\$200.00	\$200.00

Promotional code: <input type="text"/>	<input type="button" value="Apply"/>	Order Subtotal: \$200.00
		Discount: (\$40.00)
		Tax: \$7.62
		Shipping: \$10.00
		Shipping Tax: \$0.00
		<b>Order Total: \$170.00</b>

This screen capture shows the value added tax support. Here the tax is included in the item price rather than being added on separately. The tax portion of the order total is shown for display purposes. Value added tax can be configured at the site or store level.

## Data load for workspaces

- Preview and approve loaded data within a workspace
- Data load configuration updated to accept workspace, task group and task identifiers
- Re-use configuration with recurring task / task group names
- Data loads comply with workspace locking policies

In version 7, the data load utility was introduced to improve performance, reliability, and debugging capabilities over the existing massload utility. Feature pack 1 extends data load capabilities to workspaces. Managing data loads with workspace provides the same benefits as managing updates made through Management Center. All new data can be previewed and approved before being applied to your production ready data. Small errors in the data can be fixed using the Management Center tools or, if needed, entire loads can be removed by rejecting the task group changes. Loading data into workspaces follows the same steps as a standard data load. The only difference is the workspace, task group, and task identifiers are added to the data load configuration. You can also set up a recurring task group and specify the task group and task name in the configuration. This way, once a load is approved, a new task group is created with the same name and your workspace environment is ready to accept the next load.

Updating a workspace using the data load utility is subject to the same locking policies as updating a workspace using Management Center. If the data to be modified by the data load is locked the data load utility will flag that as an error. It is possible to configure data loads to overwrite existing changes if your business process puts priority on loaded data. Some examples of workspace locking are shown on the next two slides.

## Workspace locking in Management Center

Mens Shoes (Some fields may not be editable)

Manage Category Associated Assets


**Object Properties**

Change Made In Workspace Data load workspace

Task Group DataLoadGroup

Task DataLoadTask

**General Category Information**

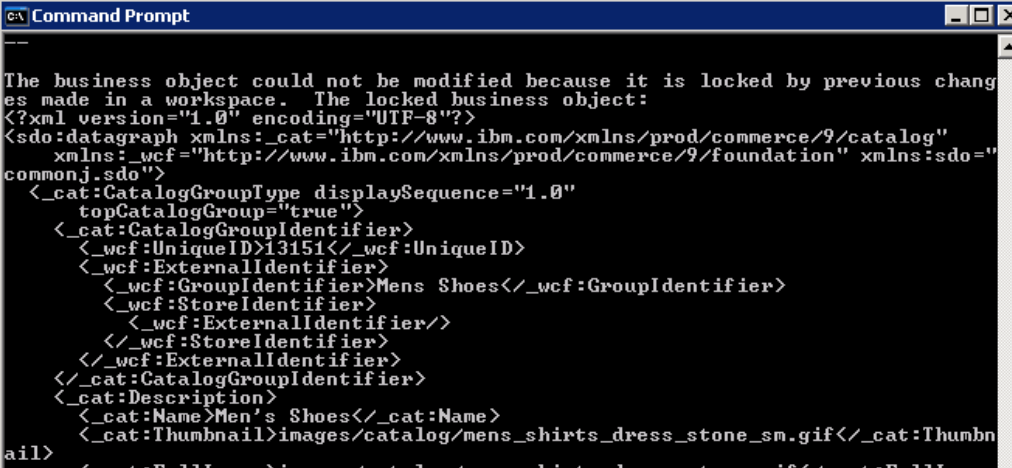
\*Code  Mens Shoes

\*Name (United States English) Men's Shoes

Short description (United States English) All men's shoes

This screen capture shows a category object in Management Center that is locked. In the Object Properties section you can see that the object has been modified in the data load workspace. Until the data load is approved, the category cannot be modified in another workspace or task group. The level of locking granularity for a workspace is configurable.

## Workspace locking in the data load utility



```
Command Prompt

The business object could not be modified because it is locked by previous changes made in a workspace. The locked business object:
<?xml version="1.0" encoding="UTF-8"?>
<sdo:datagraph xmlns:_cat="http://www.ibm.com/xmlns/prod/commerce/9/catalog"
  xmlns:_wcf="http://www.ibm.com/xmlns/prod/commerce/9/foundation" xmlns:sdo="
commonj.sdo">
  <_cat:CatalogGroupType displaySequence="1.0"
    topCatalogGroup="true">
    <_cat:CatalogGroupIdentifier>
      <_wcf:UniqueID>13151</_wcf:UniqueID>
      <_wcf:ExternalIdentifier>
        <_wcf:GroupIdentifier>Mens Shoes</_wcf:GroupIdentifier>
        <_wcf:StoreIdentifier>
          <_wcf:ExternalIdentifier/>
          </_wcf:StoreIdentifier>
        </_wcf:ExternalIdentifier>
      </_cat:CatalogGroupIdentifier>
      <_cat:Description>
        <_cat:Name>Men's Shoes</_cat:Name>
        <_cat:Thumbnail>images/catalog/mens_shirts_dress_stone_sm.gif</_cat:Thumbn
```

In this screen capture, you see the error message displayed when a data load attempts to modify an object that has been changed in another workspace. If needed, it is possible to override the existing change so the data load can complete.



## Automated testing

- Combination of assets available for Madisons and Elite
  - Use case document
  - Test case document
  - Automated test scripts
  - Storefront test automation engine

The recently introduced Madisons and Elite starter stores provide a base from which you can build your own store. Feature pack 1 supplements these code assets with new assets to assist in functional testing of the stores. The first asset is a use case document that describes all the use cases supported by the starter stores. This serves a starting point for your own use case documentation. The use case document has been available from the Information Center since shortly after the release of version 7.

New in feature pack 1 is a test case document based on the use case document. The test case document defines a set of test cases that cover the existing Madisons and Elite store functions. As with the use case document, you can use this as a starting point for your own test case documentation.

The Storefront Test Automation Engine provides assistance for automating functional tests for custom stores based on the starter stores. The engine uses some open source software, JUnit and Selenium, that is not supported by IBM. If you are using this software in your development environment, automated test scripts for Madisons and Elite are available for you to try out and extend if needed. The Storefront Test Automation Engine is packaged as a project that you can add into your development environment.

## Test case spreadsheet

Microsoft Excel - Madisons\_Jan13\_2010.xls

File Edit View Insert Format Tools Data Window Help

Type a question for help

100%

Arial

12

B

U

1 TEST OVERVIEW

2

3 **1.1: Purpose**

The purpose of this test plan is to Function Verification Test Madisons Store Front.

4

5

6 **1.2: Assumptions**

1) It is assumed the data set used for this test plan (Madisons Starter Store Furniture Catalog) is published on the customer environment OR the test plan data is updated to reflect the customer data.

2) Tester has the access to the IBM online documents.

3) Test case writer and the person who is executing the test cases have access to the Use Case Document.

7

8

9

10 **1.3: Test Configuration**

11

12

13 **BROWSER**

Store Front is highly browser sensitive. Following Browsers are recommended to be tested.

14 IE 8.x, IE 7.x, IE 7.x

15

TestOverview / GeneralSetup / UsecaseScenarioMap / ScenarioUsecaseMap / TestCondMatrix / Testcases / Data / Messages / Accessibility / Globalization / AccessControl / Testcase

Ready

34 Feature pack overview © 2010 IBM Corporation

This screen capture shows an example of the test case document. Note that there are tabs included that provide a mapping between the store use cases and test cases.

## Storefront test automation engine

- Test scripts derived from test plan spreadsheet
- Support for test extension
  - Test data separate from test scripts
  - Test scripts do not depend on actual location of an element on a page
  - Reusable task libraries for creating new test scripts

If you are using the open source test tools JUnit and Selenium, you can add the Storefront Test Automation Engine project into your development workspace. This engine runs a series of test scripts for Madisons and Elite that are derived from the test plan document. As you extend the test plan to cover new custom test cases, you can extend the test scripts and even the test automation engine itself. To assist in modifying and extending tests, the test data is kept separate from the test script. This means you can change a test scenario for your custom store and still reuse the default Madisons test data if it does not need to change. The tasks themselves are designed to be reusable by using ID values to locate an element on a page rather than a specific pixel location. Moving or restyling the elements on a page will not affect the test script. When it comes to building up test scripts for new store pages there is a set of reusable libraries you can make use of to perform common actions.

## Static HTML asset

- Direct HTML editing for starter stores
- Allows Web designers to work with HTML / CSS
- JSP highlighting to help store developers to map HTML changes to store JavaServer Page files
- HTML capture done with Storefront Test Automation Engine
  - Already done for Madisons and Elite
  - Can be configured and run against any store

The static HTML asset helps store designers and developers work together more efficiently. It can also be useful for doing a fit-gap analysis or rapid prototyping. This set of HTML, CSS and JavaScript assets allows you to walk through entire Madisons and Elite store flows without having a full WebSphere Commerce environment running. Web designers can take the existing starter store pages and, using only HTML and CSS, create a custom version of the pages for store developers to build. Store developers can then make use of the JSP highlighting feature to easily see which JavaServer Page files to update and transfer the styling changes to the real store JSP pages.

Once you have a customized store, you can create a new static HTML package using the Storefront Test Automation Engine. Using automated test scripts, you can capture an updated version of the store HTML. Additional utilities are provided to help you convert the captured HTML into a new static package ready for your next store update.

***Foundational leadership:  
Installation and stack upgrades***

This section covers installation upgrades and the new products supported with feature pack 1.

## Installation upgrades

- WebSphere Commerce Developer
  - Use Installation Manager to install the Developer edition, fix pack, feature pack, and enable the features

The installation process for WebSphere Commerce Developer builds on the capabilities of Installation Manager to provide a much simplified feature pack installation experience. When you install a new developer environment, Installation Manager can apply both fix pack 1 and feature pack 1 as part of a single installation process. Feature enablement can also be included.

For existing WebSphere Commerce Developer environments you still use Installation Manager but the fix pack and feature pack are installed in separate steps.

## New products and platforms supported

- WebSphere Application Server 64-bit
- WebSphere eXtreme Scale V7.0
- DB2® V9.7

Three new products are supported beginning with WebSphere Commerce V7 feature pack 1. The first is the 64 bit version of WebSphere Application Server. The 32 bit version is also supported as in V7.

The second change is the introduction of support for WebSphere eXtreme Scale V7.0. WebSphere eXtreme Scale can be used to extend the performance and scalability of WebSphere Dynamic Cache Service.

Feature pack 1 also adds support for DB2 V9.7. DB2 V9.5 continues to be supported with feature pack 1 as well.

## Summary

- Customer-centric features
  - Remote widgets
  - Digital coupon
- Foundational leadership
  - Localized starter stores
  - Catalog tool enhancements
  - Reducing total cost of implementation
  - Stack upgrade

This presentation gave you an overview of the features contained in WebSphere Commerce feature pack 1. The customer-centric features, remote widgets, and digital coupon were described first. The second part of the presentation focused on foundational leadership features including localized starter stores, catalog tool enhancements, reducing total cost of implementation, and installation and stack upgrades.



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