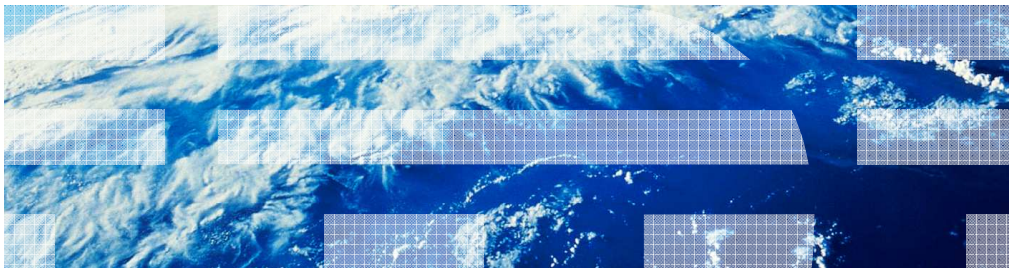


# WebSphere Commerce V7 Feature Pack 2

## Feature pack adoption overview



This presentation provides an overview of the steps needed to adopt WebSphere Commerce Version 7 Feature pack 2. You should have an understanding of the solutions provided in feature pack 2 before viewing this presentation.

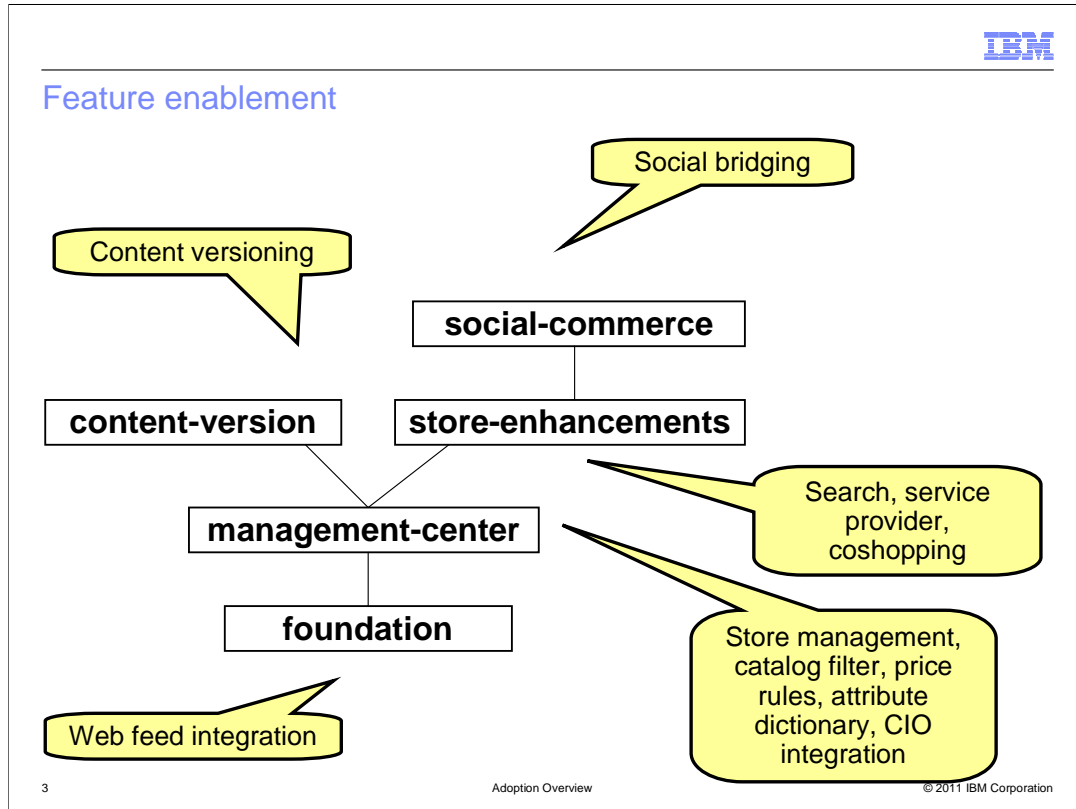
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- Feature enablement options
- Store archive changes
- Feature adoption highlights
- Data load enhancements

The presentation begins with a summary of the feature pack 2 feature enablement options. This is followed by a summary of the store archive changes. The presentation then highlights the steps needed to adopt each of the solutions provided in feature pack 2. A review of the enhancements for data load concludes the presentation.

## Feature enablement



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Adoption Overview

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WebSphere Commerce feature pack 2 contains five different groups of features that can be enabled. This slide shows the dependency hierarchy of the features. Enabling a feature higher in the graph triggers the enablement of all features below it. The solutions enabled by the various feature groupings are shown on the chart.

## Store archive updates

- New base store SARs
  - New price implementation
  - New change flow and style implementation
- Updated enhancements SARs
  - Madisons
    - Search based navigation
    - Service provider
    - Coshopping
  - Elite
    - Search based navigation
- Other updated SARs
  - Madisons mobile
    - Coshopping
  - Social commerce
    - Social bridging

Feature pack 2 introduces new base starter store archive (SAR) files. These base starter stores contain fix pack updates, the new implementation for price rules and e-Marketing Spots for store styles and store function options. You must publish a feature pack 2 starter store before publishing any feature pack 2 enhancements. Enhancements SAR files exist for both Madisons and Elite. The Madisons enhancements include search based navigation, the service provider solution and coshopping. The Elite enhancements include search based navigation.

Feature pack 2 also includes updates to the Madisons mobile SAR file for coshopping and the social commerce SAR file for social bridging.

## Social bridging

- Enable and configure Social Bridging
  - Edit adapter.config and run `<WC_installdir>/bin/WCIntegrationWizard.bat`
    - Integration wizard can be re-run where Social Commerce is already installed
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.install.doc/tasks/tigsoccom.htm>
- Publish SocialCommerce.sar and harvest assets
  - Snippets/Catalog/CatalogEntryDisplay/CachedSCTabPanelsExt.jspf
  - Snippets/Catalog/CategoryDisplay/CategoryDisplayExt.jspf
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.soccom.doc/tasks/tsmsocwidgets.htm>
- Reference
  - Social Bridging
    - [http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.soccom.doc/concepts/csmsoc\\_br\\_overview.htm](http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.soccom.doc/concepts/csmsoc_br_overview.htm)
  - Social Bridging features
    - [http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.soccom.doc/concepts/csmsoc\\_br\\_features.htm](http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.soccom.doc/concepts/csmsoc_br_features.htm)

Social bridging can be added to a store that has social commerce already enabled. You need to edit the adapter.config file for the authentication methods you are providing and re-run the integration wizard. In a development environment, publish the Madisons starter store and social commerce enhancements SAR. From here you can harvest the storefront code for the login widgets. The main files are shown on this slide and a link is provided to the related documentation in the WebSphere Commerce Information Center. Add the new storefront code to your existing store and test and deploy your changes.

## Search based navigation

- Deploy WebSphere Commerce search
  - Standard or advanced
- Design your index
  - Update schema.xml
  - Update preprocessing and index building scripts as needed
- Create your search profile
- Publish Madisons or Elite enhancements SAR and harvest assets
  - Feature name: *SearchBasedNavigation*
  - Snippets/Search
  - ShoppingArea/CatalogSection/SearchSubsection
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.starterstores.doc/refs/rsmsearchoptflow.htm>
- Define search term associations and business rules
- Reference
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.developer.doc/concepts/csdmanagesearch.htm>
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.developer.doc/concepts/csdsearch.htm>
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To enable search based navigation in an existing store you must first deploy the search engine. The next step is to design your search index based on your business requirements. A sample index is provided with the starter stores. Once you know what fields need to be in your index, you can configure the pre-processing and index loading scripts accordingly. Default search profiles are also provided with the starter stores. You can extend these to meet the needs of your custom storefront search. In a development environment, publish either the Madisons or Elite enhancements SAR and harvest the sample storefront code for search. The feature name *SearchBasedNavigation* is used to include code specific to the search based navigation flow. The directories shown on the slide also contains assets for search. You can use the site flow pages in the WebSphere Commerce Information Center to locate specific files. A link is provided on the slide. When you have completed the storefront updates, create and test the search term associations and search rules for your catalog.

## Service provider

- Enable subscriptions in order component
- Add SubscriptionSchedulerCmd job to scheduler
- Load subscription / recurring order products
- Publish Madisons enhancements SAR and harvest assets
  - Feature name: *RecurringOrders*
  - Feature name: *Subscription*
  - Snippets/Subscription
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.starterstores.doc/refs/rmserviceproviderflow.htm>
- Regularly update subscription template
- Reference
  - [http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.starterstores.doc/tasks/tsm\\_ServiceProvider\\_roadmap.htm](http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.starterstores.doc/tasks/tsm_ServiceProvider_roadmap.htm)

When you enable the store-enhancements feature in feature pack 2, subscriptions are turned off by default. To enable your store to process subscription orders, update the order component administration file. To support either subscriptions or recurring orders, you must also add the SubscriptionScheduler job to the WebSphere Commerce scheduler. Adjust your data load scripts to include the flag for subscription and recurring order products. Also include the subscription attributes or assign them manually in Management Center. In a development environment, publish the Madisons enhancements SAR and harvest the sample storefront code for subscriptions, recurring orders or both. The feature names *RecurringOrders* and *Subscription* are used to include specific sections in the My Account page. The directory shown on the slide also contains assets for the service provider solution. You can use the site flow pages in the WebSphere Commerce Information Center to locate specific files. A link is provided on the slide. If you are using subscription templates, you must regularly update them for the next subscription installment to be shipped.

## Coshopping

- Install WebSphere Application Server Feature Pack for CEA V1.0.0.7 and required iFixes
  - Currently iFix PM 13321 is needed
  - <http://www-01.ibm.com/support/docview.wss?uid=swg1PM13321>
  - [http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.coshopping.doc/tasks/tsm\\_coshop\\_roadmap.htm](http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.coshopping.doc/tasks/tsm_coshop_roadmap.htm)
- Publish Madisons enhancements SAR and harvest assets
  - Feature name: *CoShopping*
  - ShoppingArea/Coshopping
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.coshopping.doc/refs/rsmcoshopsiteflow.htm>
- Reference
  - [http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.websphere.ceafep.multiplatform.doc/info/ae/ae/welc\\_newinreleaseceafp.html](http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.websphere.ceafep.multiplatform.doc/info/ae/ae/welc_newinreleaseceafp.html)
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.coshopping.doc/concepts/csmcoshopping.htm>
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.coshopping.doc/tasks/tsminstallcoshopmobile.htm>

To enable coshopping in an existing store, you must first install the CEA feature pack for WebSphere Application Server and any required iFixes. Currently one iFix is required and is listed on the slide. In a development environment, publish the Madisons enhancements SAR and harvest the sample storefront code for coshopping. The feature name *CoShopping* is used to include specific code specific to the coshopping flow. The directory shown on the slide also contains assets for coshopping. You can use the site flow pages in the WebSphere Commerce Information Center to locate specific files. A link is provided on the slide.



## Content versioning

- Enable on staging or authoring environment
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center.doc/tasks/ttfenableversioncontrol.htm>
- Create a baseline version before changing an object
- Versions are just snapshots and read-only, you are always working on the current object
- Reference
  - [http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center.doc/tasks/tpn\\_cvmain.htm](http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center.doc/tasks/tpn_cvmain.htm)
  - [http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center\\_customization.doc/tasks/ttfcustcontentversion.htm](http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center_customization.doc/tasks/ttfcustcontentversion.htm)

Content versioning is a new capability in Management Center. You can enable this feature on an authoring or staging environment only. Once the feature is enabled you can begin using it. To get started with content versioning, you should create a baseline version of an object before you edit it. This will give you a snapshot to go back to if you need to revert your changes.

## Store management

- Run migration script
- Manually add definition file to Management Center
- Reference
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center.doc/tasks/stmigrateacc.htm>

To use the Management Center Store Management tool, you must run the migration script on your existing store. This converts your store style and store function information into the e-Marketing Spots required. Next, you need to manually create a definition file for your store properties page. In a development environment, publish either the Madisons or Elite enhancements SAR and copy the definition file to use as a starting point.

## Catalog filter

- Configure search
- For attribute based conditions
  - Enable attribute dictionary
  - Mark attributes as searchable
  - Assign attributes to products
- Create filters and assign them to contracts
- Reference
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center.doc/concepts/cpncatalogfiltering.htm>

The Management Center catalog filter tool runs on top of the WebSphere Commerce search solution. Before starting to define catalog filters, you must configure search for your store. If you plan to define attribute based conditions for your filters, load the attribute dictionary attributes and assign them to products. An attribute's searchable flag must be set to true in order to use it in a catalog filter. Once your filter is defined, use WebSphere Commerce Accelerator to assign it to one or more contracts.

## Price rules

- Register command implementations and existing offer price lists
- Run the list price migration script
- Update storefront to use new price lists
  - Code samples in Information Center
- Update data load process for new prices
- Assign price rules to contracts
- Reference
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.admin.doc/refs/riroadmap.htm>

To add price rules support to an existing store you need to register the new command implementations in the CMDREG table. If you have an existing offer price list that you want to manage in the price rules tool you also need to register the list in the new STORETPC table. If your existing store uses list price data, a migration script is available to convert this to an offer price list so it can also be managed in the price rules tool. Sample code is available to update your storefront to use the migrated list price data. Price lists, rules and rule components can be loaded as part of your data load process. Update your data load process as needed. Once your price rules are loaded or defined using the Management Center tool, assign each rule to one or more contracts. The WebSphere Commerce Information Center contains a detailed list of steps for using price rules in your existing store. A link is provided on this slide.

## Attribute dictionary

- Optionally migrate existing classic attributes to attribute dictionary format
- Classic and attribute dictionary attributes can be combined in a store
  - Defining attributes for a product must be one or the other
- Update data load process for new products
- Reference
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center.doc/concepts/cpnattribdic.htm>

WebSphere Commerce feature pack 2 does not contain any tools for automatically migrating existing attributes into the attribute dictionary format. You have the option to manually migrate your existing product attributes or use non-attribute dictionary attributes in combination with attribute dictionary attributes. When using a combination of attributes, the defining attributes for a product must be one type or the other. You cannot combine attribute dictionary and non-attribute dictionary defining attributes in a single product. If you are planning to start using the attribute dictionary you need to update your data load process to load the attribute dictionary tables.

## Coremetrics Intelligent Offer integration

- Setup dynamic recommendations
  - Set storeID and client ID for store in biConfig.xml
  - Move CIO JavaScript files to required store
- Setup flat file recommendations
  - Create directory to store Coremetrics offer
  - Configure command to import merchandising associations provided in flat file
    - Configure scheduler to run command in WebSphere Commerce Administration Console
- Move CIO e-Marketing Spot snippets to store and update to display recommendations
- Create e-Marketing Spot in Management Center
- Reference
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.Coremetrics.doc/concepts/cmtoverview.htm>
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.Coremetrics.doc/tasks/tmtcfg.htm>

You need to setup store JSP pages with intelligent offer e-marketing spot snippets in order to enable dynamic recommendations to be displayed on the storefront. In the biConfig.xml you will set the store ID, enable the new marketing action and set the Coremetrics client ID for the store. To use the flat file generated from Coremetrics, you need to first create a local directory to store the list of merchandising associations in the directory. All error logs are created and stored in that directory as well. Then you need to configure the scheduler, from the Administrator console, to run the command to import merchandising associations provided in the flat file. The CIO e-Marketing Spot snippets can be modified to use Coremetrics Intelligent Offer recommendations depending on the type of recommendations you want to create in your store.

## Sterling Selling and Fulfillment Suite integration

- Install WebSphere Enterprise Service Bus
- Configure WebSphere Enterprise Service Bus mediation module
  - <WC\_InstallDir>\components\sterling-integration
- Reference
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.sterling-integration.doc/concepts/cyasterling.htm>

Integrating your WebSphere Commerce store with Sterling Selling and Fulfillment Suite requires WebSphere Enterprise Service Bus to mediate the requests from one system to the other. A mediation module is provided with feature pack 2 in the directory shown on the slide.

## Web feed integration

- Install and configure content management or other system
- Update configuration files
- Add job to scheduler (for scheduled mode)
- Update business user process for Assets tool
- Reference
  - <http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.data.doc/tasks/tmlwebfeedendtoend.htm>

To use the web feed integration capability in feature pack 2, you need to have access to an external system that provides the required web feeds. This can be an existing content management system or a new one that needs to be installed and configured before WebSphere Commerce can integrate with it. Once the web feed is available, update the configuration files in WebSphere Commerce to define how the feed should be processed. If you are planning to import content on a regular basis, you also need to configure the scheduler job. Once the configuration files and scheduler job are set up, content is imported into WebSphere Commerce and attachments and managed files can be managed through the Assets tool. Update your business process as needed to manage the content.



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## Management Center migration

- Only required if you have customized Management Center
- Updated migration utilities to ease migration to new code structure
- Reference
  - [http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center\\_customization.doc/tasks/ttfmanmig.htm](http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center_customization.doc/tasks/ttfmanmig.htm)

If you have customized Management Center in the past and want to keep your customized code, you need to migrate it to the feature pack 2 level. Migration utilities are provided to assist in this process. Feature pack 2 introduces a new code structure for Management Center files. In many cases, your customized code can be converted into this new structure by the migration process to make it easier for you to complete the manual migration steps.

## Data load enhancement summary

Data load object	Tables loaded
CatalogFilter, CatalogFilterCatentry, CatalogFilterCategory, CatalogFilterConditionGroups, CatalogFilterConditions	CATFILTER, CFCONDVAL, CFCONDGRP, CFCOND, CFPRODUCTSET, CATFLTDC, CFCATGROUP
CatalogEntry	CATENTSUBS
PriceRule, PriceRuleElement, PriceRuleElementAttribute, PriceEquation, PriceConstant	PRICERULE, PRELEMENT, PRELEMENTATTR, PREQUATION, PRCONSTANT, PRCONVALUE
ManagedFile, ManagedDirectory, Attachment, AttachmentAsset, AttachmentDescription, WebServer	CMFILE, CMSMALLFILE, CMLARGEFILE, CMFILEDIR, CMFILEDIR, ATCHTGT, ATCHAST, ATCHTGTDC

The chart summarizes the data load objects introduced in feature pack 2 and the database tables they populate.

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## Summary

- Feature enablement options
- Store archive changes
- Feature adoption highlights
- Data load enhancements

The presentation began with a summary of the feature pack 2 feature enablement options. This was followed by a summary of the store archive changes. The presentation then highlighted the steps needed to adopt each of the solutions provided in feature pack 2. A review of the enhancements for data load concluded the presentation.

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