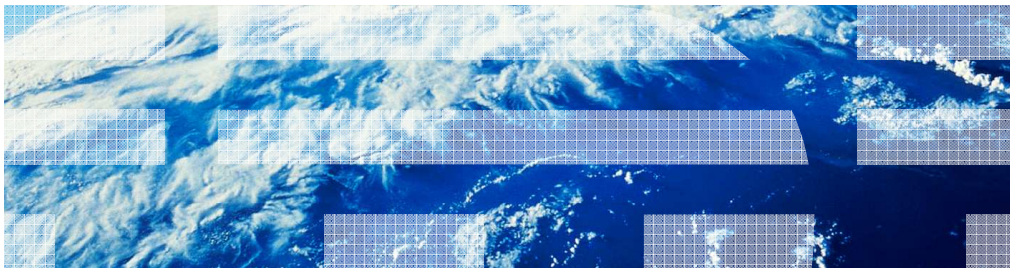


# WebSphere Commerce V7 Feature Pack 2

## Price Rule



This presentation provides an overview of the Price Rule to the WebSphere Commerce V7.0 Feature Pack 2.

## Agenda

- Price display, calculation and issues before Feature Pack 2
- Price rule solution in Feature Pack 2
- Management Center Pricing tool
- Publish price rule enabled starter stores
- Assign price rules to contracts
- Store migration

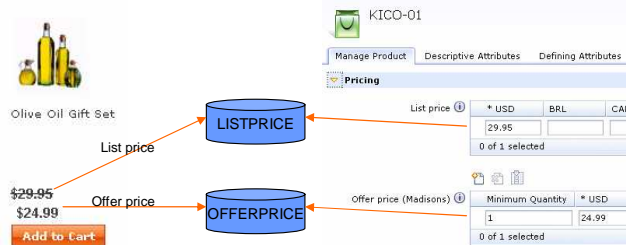
This presentation first reviews the pricing solution before Feature Pack 2 was introduced. Then it highlights the pricing solutions provided in Feature Pack 2. The Pricing tool introduction follows. Some topics on publishing price rule enabled starter store and how to assign the price rules to store's contracts are covered. Finally, migration existing store to price rule solution is introduced.

## Pricing issues before Feature Pack 2

This section briefly discusses a store's pricing issue before Feature Pack 2.

## Business-to-customer pricing

- Management Center manages catalog entry list prices and offer prices
- List prices and offer prices are saved in LISTPRICE, OFFERPRICE tables
- Data load utility is used to load catalog entry's prices
- Issues
  - Hard to adjust large amount of price data without IT involved



Before Feature Pack 2, Management Center catalog tool is used to manage the catalog entry's List Prices and Offer Prices. The List Prices are saved in LISTPRICE table, the Offer Prices are saved in OFFERPRICE tables. To update or input a large amount of prices, you can use the Data Load utility which was developed in version 7.

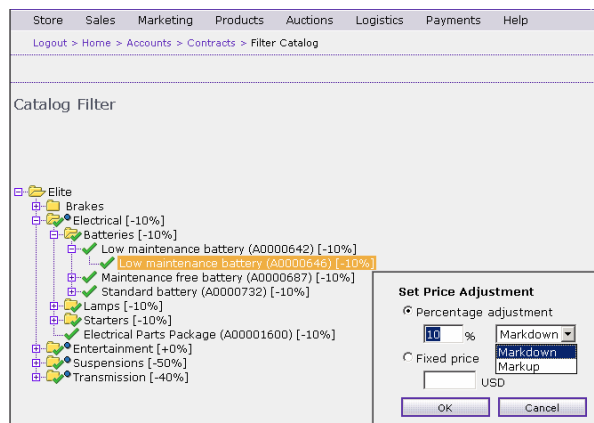
Before Feature Pack 2, you can use Management Center Catalog tool to input or update catalog entry's prices, but the Catalog tool is not an efficient tool to adjust large amount of catalog entry prices. You can use the Data Load utility to upload the prices, but you cannot do this without IT involvement.

## Business-to-business pricing

- List prices and offer prices are managed by Management Center and Data Load utility
- Catalog filter tool is used to adjust prices for contracts
- Issues
  - It is time-consuming to browse catalog tree to set the prices
  - Price adjustment is not re-usable to other contracts because the pricing tool is within the catalog filter
  - Prices can only be marked up or marked down. Pricing tool does not meet some customers complex pricing requirements
    - Using product cost other than offer price
    - Using equation to calculate the price
    - Using constant in the equation

For example:  
 $Price = Cost + (Cost * Pricing\ Constant)$

Where PricingConstant = 30%



Similar to the business-to-customer store, you use the Management Center and Data Load utility to manage the business-to-business store catalog entry List Prices and Offer Prices. To adjust prices for a contract, you first go to the contract tool to create a catalog filter, then adjust the prices within the Catalog Filter tool.

There are several issues for the business-to-business store pricing before the Feature Pack 2. It is time-consuming to browse the catalog tree to set the catalog entry prices, especially to browse a large catalog tree. The pricing tool is within the catalog filter tool. Each catalog filter configuration is only for a specific contract. You cannot reuse your price adjustment to other contracts. Setting the price adjustment is not flexible enough. You can only mark up or mark down the catalog entry's offer prices by a certain percentage, or set fixed prices to catalog entries. These existing features do not meet some customers complex business requirements. For example, some customers want to use the product cost for product pricing. Some of them also expect to use price equations and price constants to calculate prices, other than just marking up or marking down offer prices.

Price rule solution in Feature Pack 2

This section introduces the price rule solution provided in Feature Pack 2.

## Price rule solution

- Pricing Tool
  - **Price list** – a list of products with associated prices. Used in price rule as price input
    - A store can have multiple price lists
    - Price list export and import feature allows you to quickly update the price list
  - **Price equation** – mathematic equation used in price rule to do the price calculation
  - **Price constant** – named value. Can be used in multiple price equations
    - Numeric constant
    - Percentage constant
    - Currency constant
  - **Price rule** – decision-making logic to determine prices using price lists, equations, constants.
    - Price rule elements:
      - Action
      - Condition
      - Branch
- Accelerator enhancements
  - New page added to associate price rules with store's contracts
- Price rule solution supported in staging server
- For WebSphere Commerce Enterprise Edition only

To solve the issues mentioned in the previous section, a new pricing tool is provided in Feature Pack 2 with these features.

You can create multiple price lists for your store. A price list contains a list of products with associated prices. The prices in the price list are used as the input prices of a price rule to set the catalog entry prices at runtime. The new pricing tool user interface is provided for you to manage your price lists. Price list import and export feature are provided so that you can easily update the prices in a price list.

You can use price equations, a mathematical statement, in price rule to set catalog entry prices. The pricing tool allows you to easily build your price equations.

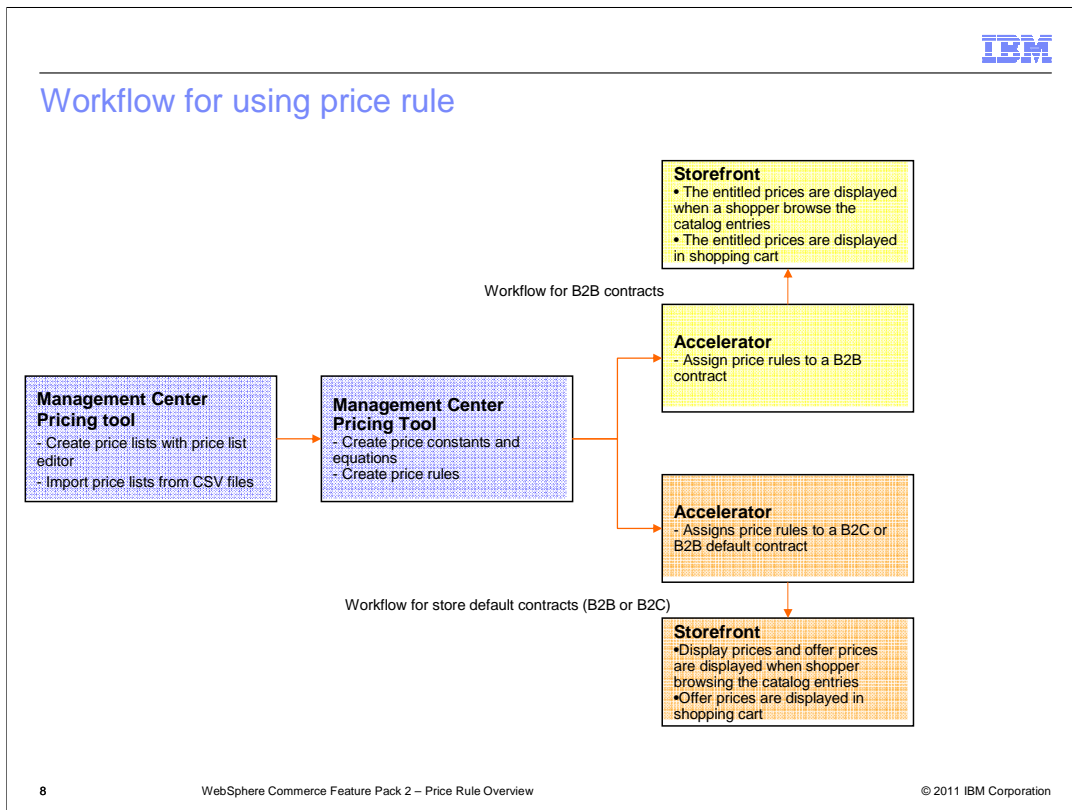
You can define reusable constants as price constants and use them in price equations. You can define three types of constant: Numeric constant, Percentage constant and Currency constant.

Price rule is a decision-making logic you create to set prices on your storefront. Pricing tool provides an user interface to allow you to build price rule graphically. Some elements are provided to help you build the logic, such as Action, Condition and Branch.

The Accelerator has been enhanced so that you can assign your price rules to your store's contracts.

Price rule solution is supported in the staging server and is for WebSphere Commerce Enterprise Edition only.

## Workflow for using price rule



To use the price rule to your store, you first create your price lists in the Pricing tool. You can either create price lists using price list editor or import price lists from the CSV files.

Next you create your price rules within the Pricing tool. Before creating the price rules, you may need to create price constants and price equations.

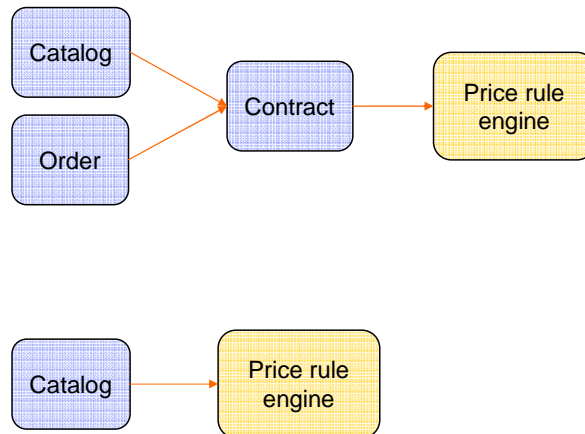
If your price rules are for B2B contracts, you assign the price rules to contracts in the Accelerator. At the storefront, when shoppers browse the catalog entries or view their shopping carts, the entitled prices they see are from price rules.

If the price rules are for B2C or B2B store default contract, you assign the price rules to store's default contract in the Accelerator. The catalog entry's prices are from the price rules.



## High level runtime architecture

- Offer price calculation
  - Shopper browses the catalog entries or views his shopping cart
  - Catalog or Order services calls Contract service to find out the entitled contract
  - Entitled contract is used to find out associated price rules
  - Price rule engine evaluates the price rules to set prices
  
- Display price calculation
  - Shopper browses the catalog entries
  - Catalog service get the price rule for display prices
  - Price rule engine evaluates the price rule to set prices



During runtime, this procedure happens to output the offer prices. When a shopper browses the catalog entries or views shopping cart, Catalog or Order service uses the Contract service to find out the entitled contract. Then the entitled contract is used to find out associated price rule. Price rule engine evaluates the price rule to set catalog entry prices.

Display prices, for example list prices, are only displayed when shoppers browse the catalog entries. Shopping cart pages do not show display prices.

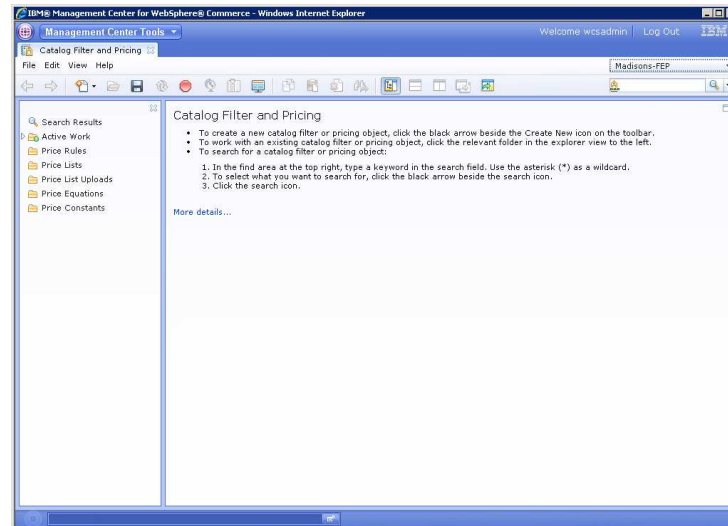
To calculate the display prices, Catalog service retrieves the price rule for display prices. Price rule engine evaluates the price rule to set catalog entry prices.

## Management Center Pricing Tool

This section briefly discusses the Pricing tool.

## Pricing tool

- Objects are managed by the Pricing tool
  - Price rule
  - Price constant
  - Price list
  - Price list upload
  - Price equation
  
- Each folder contains list of managed objects



The screen capture in this slide shows the Management Center Pricing tool. The Pricing tool manages price rule related objects, such as price constant, price list, price list upload, and price equation. Just like any other tool in the Management Center, clicking any folder in the Explorer view displays objects in list view.

## Roles to access the Pricing tool

- The roles that have access to the Pricing tool
  - Sales Manager
  - Account Representative
  - Seller for a B2B store and Seller for a B2C store




The roles that have the access to the Prince tool are Sales Manager, Account Representative, Seller for a B2B store and Seller for a B2C store.

## Price list

- **Price list:** a list of catalog entries with associated prices in one or more currencies
- To create a price list in Pricing tool
  - Add catalog entries using the **Find and Add** button or the Utilities view
  - Enter the prices for each supported currencies

\*Name

Description

Find and Add   

* Type	* Code	* Name	* Minimum Quantity	* USD	BRL	CAD
<input checked="" type="checkbox"/>	KISC-01	Arouse-Your-Senses Gift Set	<input type="text" value="1"/>	<input type="text" value="49.99"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	KISC-0101	Arouse-Your-Senses Gift Set	<input type="text" value="1"/>	<input type="text" value="49.99"/>	<input type="text"/>	<input type="text"/>

1 of 2 selected

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A price list is a list of catalog entries with associated prices in one or more currencies.

You can create a price list from the Pricing tool using the price list editor. In the price list editor, you can use Find and Add to search catalog entries and add them into the price list, or use the Utilities view to drag the catalog entries into the price list.

Note that the price lists are used by price rules to set prices for catalog entries on your storefront, so the prices in a price list may not be same as you see from the storefront.

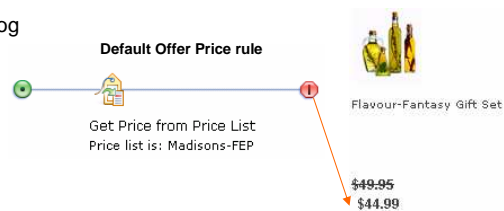


## Default Offer Price list and default List Price list -1/2

- **Default Offer Price list** and **default List price list** are created after publish following stores
  - B2C starter store
  - B2B start store
  - extended site catalog asset store

Type	Name	Description
	Madisons-FEP	This is the default Offer Price list for this store. This price list contains all catalog entries in the master catalog. The offer price is the actual must pay, before taxes, discounts, and shipping.
	Madisons-FEPList	This is the default List Price list for this store. This price list contains li catalog entries in the master catalog. The list price is intended for cat purposes only.

- **Default Offer Price list**
  - Contains **ALL** catalog entries in the master catalog
  - The catalog entry prices in the price list are the catalog entry's offer prices
  - **By default**, prices in the price list are displayed directly on the storefront as catalog entry's offer prices by a default Offer Price rule



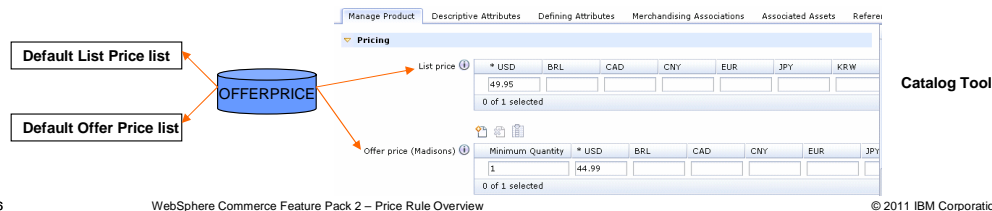
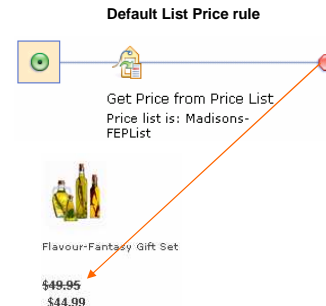
Publishing new Feature Pack 2 B2C, B2B or extended site catalog asset stores create two default price lists: default Offer Price list and default List Price list.

The default Offer Price list contains ALL the catalog entries of store's master catalog. The prices for in the price list are catalog entry offer prices, the same prices you can see in the Management Center Catalog Tool.

Publishing a starter store also creates a default Offer Price rule. The default Offer Price rule retrieves the prices in the default Offer price list and displays them directly on the storefront as catalog entry's Offer Prices.

## Default Offer Price list and default List Price list – 2/2

- Default List Price list
  - Contains **ALL** catalog entries in the master catalog
  - The catalog entry prices in the price list are the catalog entry's list prices
  - **By default**, prices in the price list are displayed directly on the storefront as catalog entry's list prices by a default List Price rule
- Prices in Catalog Tool and prices in **default** price lists share the same database data
  - List prices in Catalog tool are from default **List Price list**
  - Offer price in Catalog tool are from default **Offer Price list**
  - Adding or deleting a catalog entry from Catalog tool will automatically update the List Price list and Offer Price list



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The default List Price list contains all the catalog entries of store's master catalog. The prices in the price list are catalog entries List Price, the same prices you can see in the Management Center Catalog Tool.

A default List Price rule was created after you publish Feature Pack 2 new starter store. By default, this default List Price rule retrieves the prices in the default List Price list and displays them directly on the storefront as catalog entry's list prices.

In Feature Pack 2, OFFERPRICE table is used for both List Price and Offer Price. The catalog entry's List Prices in Catalog Tool and prices in Default List Price list share the same data in the OFFERPRICE table. The catalog entry's Offer Prices in Catalog tool and the prices in default Offer Price list share the same OFFERPRICE table data too. Modifying the prices from one place will automatically reflect in another place. For example, adding a catalog entry into the master catalog from Catalog tool will automatically add that catalog entry into the two default List Price list and default Offer Price list. Deleting a catalog entry from the master catalog will automatically delete it from the default price lists.



## Database tables for price list

- Tables for price lists metadata
  - STORETPC
  - TRADEPOSCN
- Tables for prices in price list
  - OFFER
  - OFFERPRICE
- Note: For a Feature Pack 2 store, LISTPRICE is not used

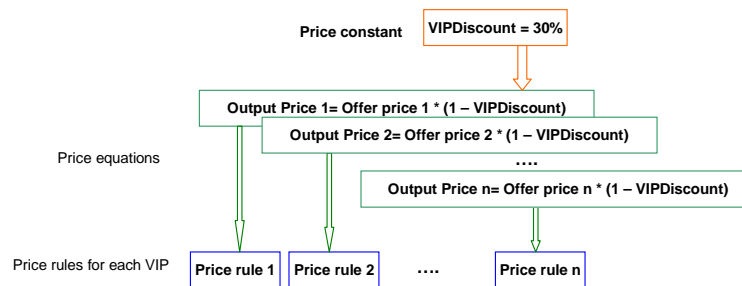
The tables used to manage price lists are shown here. The price list metadata is saved in table STORETPC and TRADEPOSCN. The prices of price lists are saved in tables OFFER and OFFERPRICE. After you create a price list, you can go to these tables to verify your price list.

Feature Pack 2 new starter stores do not use the LISTPRICE table to manage catalog entry list prices. Both list price and offer price are saved in OFFERPRICE table.

## Price constant

- A price constant is a named constant which can be used by **price equations** and **price rules**
- Benefits of using price constant:
  - Easily change output prices of a price rule
  - Changing price constant value will affect all price equations and price rules referencing to that constant

Example: Give all VIP customers 30% discount for entitled categories



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A price constant is a named constant which is used in price equations and price rules. The usage of a price constant is similar to a property of a properties file. Using the price constant in a price equation can easily change the output of a price rule.

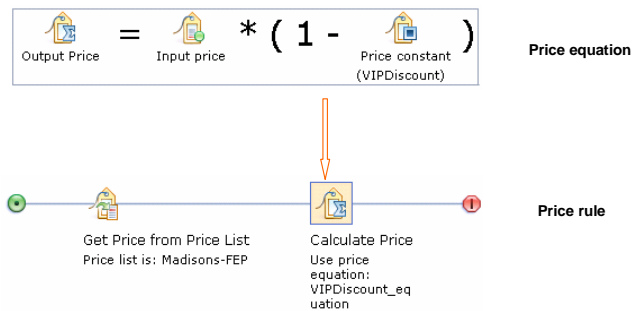
For example, you have a price constant defined to give some products a 30% discount. If you want to change the discount percentage to 40% later, you can change the price constant value to 40% without modifying the price equation and price rule.

If a price constant is used by multiple price equations, changing the price constant value will affect all the price equations referencing that price constant. This is an easier way to update multiple price equations.

For example, you want to give all VIP customers 30% discount for entitled categories. You can create a constant VIPDiscount and use it in price equations for each VIP customer. Later on if you want to change the discount percentage to 40%, you only need to change the price constant VIPDiscount to 40%, and all the VIP customers will get the 40% discount.

## Price equation

- A mathematical statement used in a price rule to calculate prices  
Example: price equation below is used to calculate prices after percentage discount



- Price equation builder provides graphical UI to help you create price equation

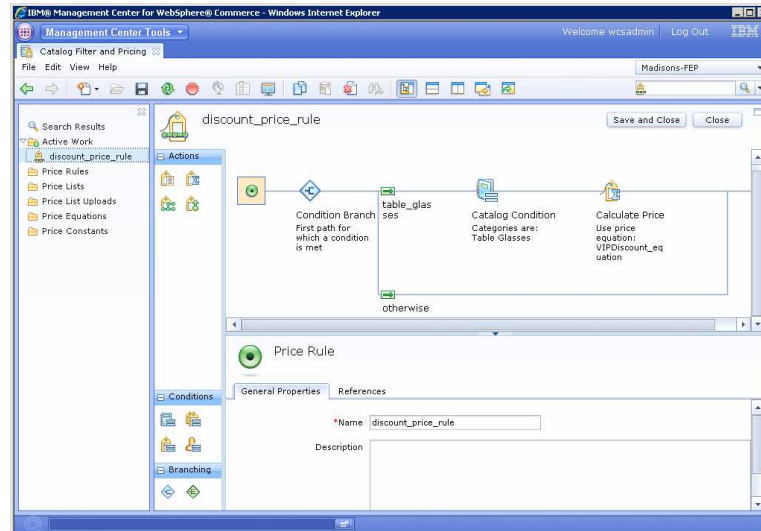
A price equation is a mathematical statement used in a price rule to calculate catalog entry prices.

The sample price equation shown here can be used to calculate the prices after a percentage discount. When this price equation is used in a price rule, the price rule gets the prices from the price list as input price to the price equation, the price equation then calculates the discount prices.

The Feature Pack 2 Pricing tool provides a graphical user interface which enables you to easily create price equations.

## Price rule

- A price rule is a set of instructions you create to generate prices on your storefront
- Similar to Marketing activity, price rule editor builds the price rule graphically
- Price rule elements provide capabilities to create various pricing logics
  - Set prices based on category, catalog entry and customer group



A price rule is a set of instructions you create to generate prices on your storefront. Similar to creating marketing activity in the Management Center Marketing tool, you can use the price rule editor to build the price rule graphically. Price rule elements provided in the price rule builder allow you to create various pricing logics. For example, you can set the prices to specific catalog entries or categories. You can set the prices based on shopper's customer group.

Price rule enabled starter store publishing

This section introduces the price rule enabled new starter store publishing.

## Price rule enabled starter stores

- Feature Pack 2 enablement creates new price rule enabled SAR files xxx-FEP.sar under directories

Server Runtime:

<WC>/instances/<instance>/starterstores/<storeType>xxx-FEP.sar

Toolkit:<WC>/starterstores/<storeType>xxx-FEP.sar

- Store publishing will look for an extended SAR file xxx-FEP.sar rather than publishing original xxx.sar file
  - In the Administration console, original sar file are not listed if there is an extended sar file provided
    - For example, Madisons.sar is not displayed in the console

Store Archives	
View	Default
Number of items: 10	
Store Archive	Description
<input type="checkbox"/> AdvancedB2BDirect-FEP.sar	A sample composite store arch and necessary access control p rich working store.
<input type="checkbox"/> Elite-FEP.sar	A sample composite store arch and access control policies nec includes Web 2.0 capabilities u technologies to create a featur
<input type="checkbox"/> Brazil.sar	A store archive containing the
<input type="checkbox"/> MayUJoy.sar	A starter store archive containi
<input type="checkbox"/> MayUJoyData.sar	Contains a department store's from the Housewares domain.
<input type="checkbox"/> MadisonsSampleData-FEP.sar	Contains a department store's from the Housewares domain.
<input type="checkbox"/> Madisons-FEP.sar	A sample composite store arch and access control policies nec includes Web 2.0 capabilities u technologies to create a featur
<input type="checkbox"/> DemandChain.sar	A sample composite store arch and necessary assets to create a d catalog, and reseller and distri
<input type="checkbox"/> ExtendedSites.sar	Contains the organization struc policies to create an environm include a B2B direct seller that audiences. Also contains the ne storefronts.
<input type="checkbox"/> SupplyChain.sar	Contains the organization struc policies to create a supply chai

The Feature Pack 2 feature enablement creates several new sar files with suffix FEP in the file names. These price rule enabled sar files are under the starterstores directory. The original sar files are not exposed in the Administration console, but they still can be found under the starterstores directory. You will only be able to publish the new sar files other than the original sar files.

## Publish B2C direct starter store and B2B direct starter store

- Two default price lists
  - Offer Price list
  - List Price list

* Type	Name	Description
	Madisons-FEP	This is the default Offer Price list for this store. This price list contains all catalog entries in the master catalog. The offer price is the actual must pay, before taxes, discounts, and shipping.
	Madisons-FEPLIST	This is the default List Price list for this store. This price list contains all catalog entries in the master catalog. The list price is intended for catalog purposes only.

- Two default price rules
  - List price rule
  - Offer price rule
  - Default price rules pull price from default price lists for display on storefront

* Type	Name	Description	Dependency	External
	List price rule	For the current store, this is the default price rule for list price	Independent	No
	Offer price rule	For the current store, this is the default price rule for offer price	Independent	No

Get Price from Price List

When you publish the new Feature Pack 2 B2C direct starter store or B2B starter store, two default price lists are created: default Offer Price list, default List Price list. This publishing also creates two default price rules: default Offer Price rule and default List Price rule.

The default price rules only contain one element – Get Price from Price List element. Default price rules pull the price from the default price lists and display them directly on the storefront. If you do not update the default price rules, the catalog entry's list prices and the offer prices on the storefront are the same as the prices in the default price lists.

## Publish extended site asset stores and create extended site store

- Publishing an extended site catalog asset store creates two default price lists
  - Default Offer Price list
  - Default List Price list

- Publishing a storefront asset store creates two default price rules.
  - The catalog asset store's default price lists are used

- A new created extended site store contains following assets
  - Two default price lists inherited from **catalog asset store**
  - Two default price rules inherited from **storefront asset store**
  - Two local extended site store owned default price lists
    - Contain extended site store catalog entry prices
    - **Offer Price list** also contains local prices for inherited catalog entries

Catalog asset store	Offer Price list	List price list				
Storefront asset store			Default Offer Price rule	Default List Price rule		
Extended site store					Default Offer Price list	Default List Price list

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Publishing a new Feature Pack 2 extended site catalog asset store creates a default List Price list and a default Offer Price list.

Publishing a new Feature Pack 2 storefront asset store creates two default price rules: Default Offer Price rule and Default List Price rule. The default price rules use the catalog asset store default price lists

An extended site store inherits default price rules and the default price lists from the storefront asset stores and the catalog asset store.

Two new empty default price lists are also created for the extended site starter store. These two default price lists will contain any extended site store owned catalog entry prices. The default Offer Price list also contains local prices for inherited catalog entries.



Assign price rules to contracts

This section shows how to assign price rules to contracts.

## Update B2B or B2C direct store default contract's price rule

### B2B direct store

Elite fulfillment center - Elite - United States English

- Store
- Sales
- Marketing
- Products
- Auctions
- Logistics
- Personalized Attributes
- RFQs
- Find Customers
- Find Orders
- Find Returns
- Order Management Reports
- Operational Reports
- Customer Service Reports
- Catalog Filter and Price Rule**

### B2C Direct store

Madisons - United States English

- Store
- Marketing
- Merchandise
- Auctions
- Operations
- Catalog Management
- Find Catalog Entries
- Find Categories
- Find Bundles or Kits
- Find Merchandising Associations
- Sales Catalogs
- Catalog Import
- Catalog Filter and Price Rule**
- Expected Inventory
- Vendors

Property Name: Price Rule  
Property Value: Offer price rule  
Data Type: String  
Property Description: The name of the price rule to assign to this contract.

- A default Offer Price rule has been assigned to the default contract after you publish the store
- Update default contract with another price rule from Accelerator's **Catalog Filter and Price Rule** menu

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When you publish a Feature Pack 2 B2B or B2C direct store, a default Offer Price rule is created and assigned to the store's default contract. If you want to use another price rule, you can change it from the Accelerator Catalog Filter and Price Rule menu.

## Assign price rules to B2B contracts

- Contract tool is still in Accelerator in Feature Pack 2 release
- Extended TC tab in Contract editor has been enhanced to assign **ONE** price rule to a contract

Store Sales Marketing Products Auctions Logistics Payments Help

Logout > Home > Accounts > Contracts > New Contract

OK Cancel

General  
Participants  
Catalog Filter  
Shipping  
Payment and Billing  
Returns  
Order Approval  
Attachments  
Remarks  
Extended TC

### Extended Terms and Conditions

Catalog Filter Price Rule

Use this tab to assign a price rule to this contract. The price rule you specify in the Property Value column is used to set prices for catalog entries on the storefront.

Property Name	Property Value	Data Type	Property Description
Price Rule	org-1-price-rule	String	The name of the price rule to assign to this contract.

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In the Feature Pack 2 release, the contract tool is still in Accelerator, but the contract editor's Extended TC tab has been enhanced. In the Price Rule tab, you can see all the price rules you created in the Management Center's Pricing tool, from there you can select a price rule and assign it to your contract.

## Assign a contract multiple price rules

- Contract UI only supports assigning a contract **ONE** price rule
- To assign multiple price rules to a contract
  - Export the contract
  - Update contract definition xml file to add multiple price rules

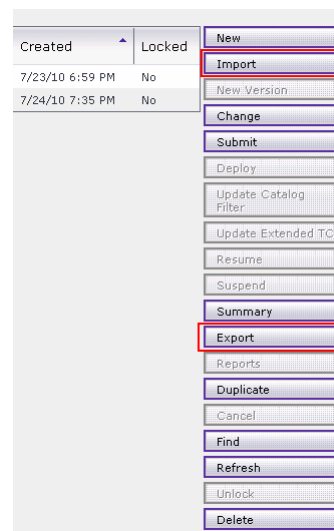
```

<BuyerContract>
.....
<TermCondition type = "PriceRuleTC" mandatory = "false" changeable = "false" >
<Property name = "priceRuleId" value = "10005" />
<Property name = "priceRuleBeginDate" value = "2010-07-23 00:00:00.0" />
<Property name = "priceRuleExpiryDate" value = "2010-08-23 00:00:00.0" />
</TermCondition>
<TermCondition type = "PriceRuleTC" mandatory = "false" changeable = "false" >
<Property name = "priceRuleId" value = "10006" />
<Property name = "priceRuleBeginDate" value = "2010-08-23 00:00:00.0" />
<Property name = "priceRuleExpiryDate" value = "2010-09-23 00:00:00.0" />
</TermCondition>
</BuyerContract>

```

- Import the contract back

- Note: the price rules' priceRuleBeginDate and priceRuleExpiryDate cannot be overlapped

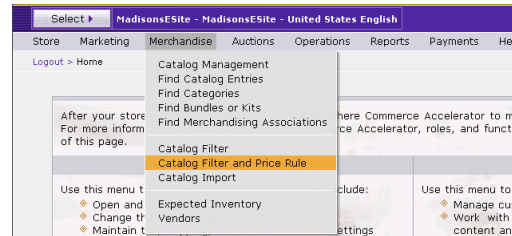


The Accelerator contract UI only supports assigning one price rule to a contract. If you want to assign a contract with multiple price rules, you must first export the contract definition xml file, update the file to add more price rule using TermCondition tag. You then import the contract definition xml file back.

If a contract contains multiple price rules, you must make sure all the price rules beginning date and expiration date are not overlapped. Only one price rule can be effective at a particular time. If you have overlapped price rules, the validation will fail and the contract is not imported successfully.

## Update an extended site store default contract price rule

- To update extended site store's default contract price rule
  - In Accelerator, select Merchandise > Catalog Filter and Price Rule



If you want to use another price rule to your extended site store default contract , you can do it from Accelerator's Catalog Filter and Price Rule menu.

## Store List Price rule

- No UI for assigning list price rule
- Price rule named "List price rule" is hard coded in JSTLEnvironmentSetup.jspf
  - Update the name in the JSP if other price rule is used for list prices

[store\_dir]/include/JSTLEnvironmentSetup.jspf

```
<!-- include file="JSTLEnvironmentSetupBrazilExt.jspf" -->
<!-- include file="JSTLEnvironmentSetupExtForDigitalWallet.jspf" -->
<c:set var="defaultDisplayPriceRuleName" value="List price rule"/>
```



- Extended site store uses storefront asset store's List Price rule. If both extended site store and storefront asset store have List Price rule, extended site store's List Price rule is used

WebSphere Commerce does not provide a user interface for assigning List Price rules. Price rule named "List price rule" is hard coded in a storefront JSP file. You can use the other price rule name as list price rule. If that is the case, you need to update the JSP with the new price rule name.

By default the extended site store uses the storefront asset store List Price rule. If your extended site store also has List Price rule, the extended site store's List Price rule is used.

## Price Rule Caching and price rule limitations

This section discusses price rule caching and price rule limitations.

## Price Rule Caching

- Price rule runtime engine uses WebSphere Application Server's object cache (WebSphere Application Server Distributed Map) as cache in the engine
- The price rules, price rule elements, price rule element attributes are in cache
- The price rule engine first tries to get the price rule and related elements, element attributes from cache. If no entry found in the cache, gets it from database

To avoid frequently accessing the database, the price rule engine retrieves price rules and its related price rule elements from the cache. The WebSphere Application Server object cache is used for caching. During runtime the price rule engine first tries to get the price rule and related elements, element attributes from the cache. If an entry is not found in the cache, the price rule engine gets it from the database.



## Price rule limitations

- Narrow search results in **Price range search facets**
  - The numbers of catalog entries are counted according to the prices in the **default Offer Price list**, not the price rule. The number of entries displayed might not match the results
  - Hide price range search by changing the wc-search.xml
- IBM Sales Center for WebSphere Commerce
  - The prices in Sales Center are not set by price rules. Instead, they are set by the default Offer Price list

Narrow your results by:	
<b>Brand</b>	
Raceon	(3)
Brakin Brothers	(2)
Breakin Brothers	(2)
Roadon	(2)
Caropad	(1)
Cylinc	(1)
Padders Inc	(1)
<b>Category</b>	
Brake pads	(6)
Master Cylinders	(3)
Tires	(3)
<b>Price</b>	
Less than 100	(7)
Between 100 and 200	(1)
Between 200 and 300	(1)

If your store uses the Feature Pack 2 search solution, and price display mode is set to “index” or “mixed” in the Search profile, you can narrow search results by specifying a price range. The catalog entries in each range (shown in parentheses) are grouped according to the price in the default Offer Price list, not the price rule price. However, the prices you actually see for the catalog entry comes from the price rule. Therefore, the impact is a potential mismatch between the range you choose and the catalog entries displayed for that range. The search facets are programmed this way intentionally to reduce the impact to performance each time a customer performs a search. You can hide the price range search by changing the search configuration file.

In the IBM Sales Center for WebSphere Commerce, the prices that Customer Service Representatives (CSRs) see are not set by price rules. Instead, they are set by the default Offer Price list for the store.

## Store migration

This section highlights migration steps to use the price rule solution in existing stores.

## Store migration

- You need to migrate your store if
  - Your store was published before Feature Pack 2
  - You want to make use of the price rule feature in Feature Pack 2
- Migration will not happen automatically when you enable the feature pack 2
- A migration script is provided, but some manual steps are needed

If you have stores published before Feature Pack 2 and you want to use the Feature Pack 2 price rule feature, you need to migrate your stores. Migration will not happen automatically when you enable Feature Pack 2. You have to conduct the migration steps manually.

## Store migration

- Register new command implementation in command registry

```
insert into cmdreg (storeent_id, interfacename, classname) values (<storeid>, '<command>', '<commandImpl>');
```

*Note: Refer to the WebSphere Commerce Information Center for the completed SQL list*

- Migrate list price data to the new data model

*Note: Migration list price data is option, skip this step if you don't use price rule for list prices*

- A migration script is provided to do the list price migration

```
[install_dir]\bin\migrateListPrice
```

- This script will do following tasks
  - Create a **default List Price list**. Copy the data from LISTPRICE table into the OFFERPRICE table
  - Create a **default List Price rule** to use the Default List price list
  - (option) remove the data from the LISTPRICE table

To migrate your existing store, you first need to run some SQLs to register the new command implementation in the command registry. You can find the complete SQL statements in the WebSphere Commerce Information Center. If you want to use the price rule solutions for list prices, you need to migrate the list prices from the LISTPRICE table to the OFFERPRICE table. Feature Pack 2 provides a migration script to help you on this step. Besides moving the list price, this script also creates a default List Price list and a default List Price rule for your store.

## Store migration

- Register existing offer price list

```
select tradeposcn_id from catgrptpc where store_id = <storeid>;  
insert into storetpc values (<storeid>, <tradeposcnid>, 2, 0);
```

- Migrate store page JSPs
  - Update the JSPs to use the logic to fetch **list price**

*Note: Sample code is provided in the WebSphere Commerce Information Center*
- Create Offer Price rule from WebSphere Commerce Management Center and assign the Offer Price rule to contract in Accelerator
  - (Option) Create price rules for B2B store customer contracts if you want to use the price rule

You need to register your existing offer price list in the STORETPC table by running SQL statements. If your store displays the list price, you need to update all JSP files that contain the list price related code. You can refer to the sample JSPs provided in the WebSphere Commerce Information to update your JSPs.

Finally, you need to create an Offer Price rule from the Management Center and assign the Offer Price rule to your store default contact in Accelerator. For B2B store customer contracts, you can create a price rule for each contract, or use the contract existing pricing term.

## Reference

- **Dynamic cache**

[http://publib.boulder.ibm.com/infocenter/wasinfo/fep/topic/com.ibm.websphere.soafep.multiplatform.doc/info/ae/ae/tdyn\\_distmap.html](http://publib.boulder.ibm.com/infocenter/wasinfo/fep/topic/com.ibm.websphere.soafep.multiplatform.doc/info/ae/ae/tdyn_distmap.html)

This slide contains some useful references for understanding the price rule solution.



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