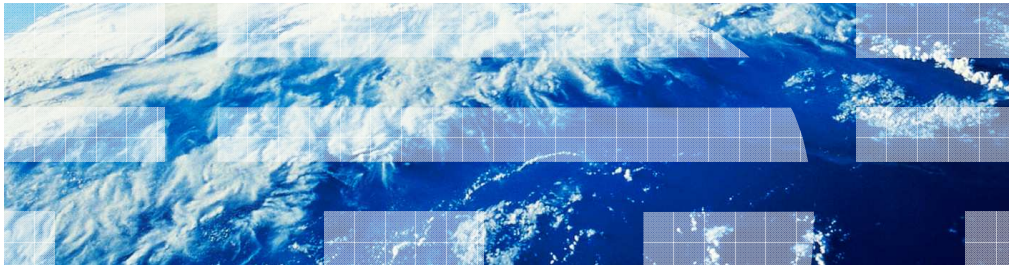

WebSphere Commerce V7 Feature Pack 1

Catalog Tool updates



This presentation provides an overview of catalog tool 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 new catalog enhancements in feature pack 1 can be divided into three categories: catalog management, product management and general features. This presentation will introduce you to the features associated with each category. The catalog management features include catalog upload, compressed file upload and the ability to move sales categories. The product management features include the ability to automatically generate SKUs, manage all product properties, create many-to-many merchandising associations and pagination support for properties editor. Finally, the general features include find and replace in list view and enhanced quick search.

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.

Section

Catalog Upload

This section covers the catalog upload feature.

Overview

- Uses new data load tool
 - Improved performance
 - Improved error handling
 - Easier customization
- Upload can run on dedicated machine
 - Specify host name in custom dataload.properties
 - Upload loaded file is stored in database instead of on the server file system

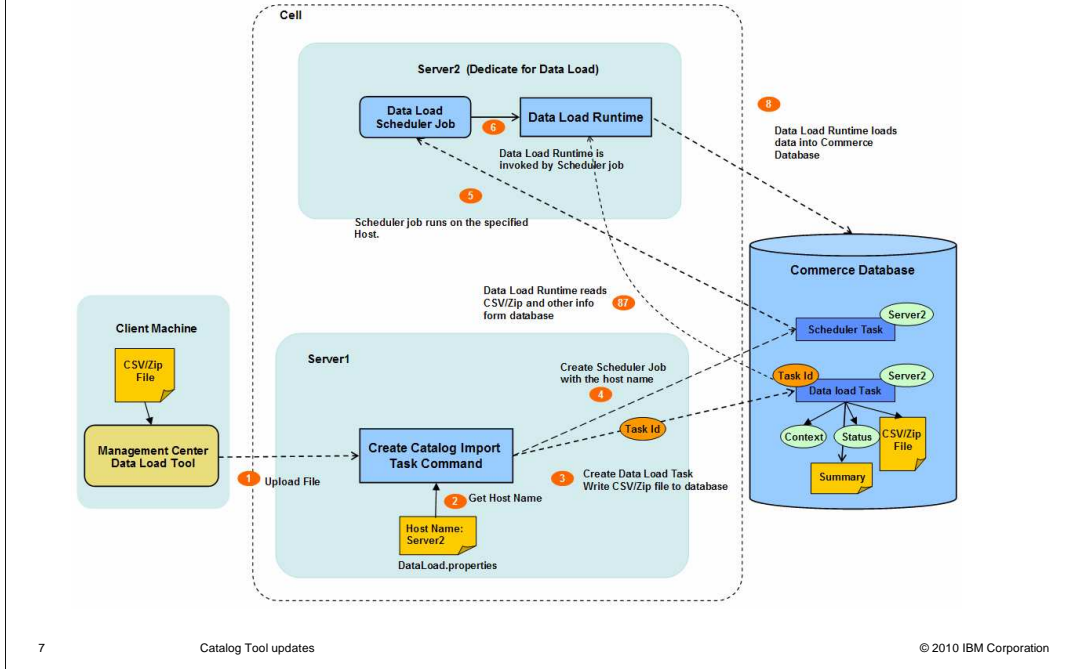
Catalog upload allows a business user to use the data load utility through the Management Center. The new data load utility has many new improvements compared to the import tool in accelerator. Some benefits include improved performance, error handling and easier to customize. Additionally, you have the ability to specify a dedicated machine for your upload to run that is different from the one the business user is currently logged on to. This allows your main business user activities to run without any performance impact. You can configure the dedicated machine by specifying the host name in the custom dataload properties file. The resulting uploaded file will then be stored in the database instead of on the server file system.

Comparison between Management Center and Accelerator

Catalog Upload (Management Center)	Catalog Import tool (Accelerator)
Based on the data load utility	Based on the mass load utility
The CSV files are customizable <ul style="list-style-type: none"> • Column ordering can be modified • New columns can be added to CSV file • Catalog object exists in multiple CSV files • Can reference business objects by identifier or unique ID for better performance • Non-mandatory columns can be empty or removed from CSV 	The CSV file is not customizable <ul style="list-style-type: none"> • Columns are fixed • New columns cannot be added to the CSV file • Catalog objects exist in one CSV file
Only need to specify a particular catalog object to be modified in the CSV file	Reload the entire CSV file - includes all the other catalog objects
Automatic catalog upload status updates	Catalog upload status is not automatically updated

Here is a comparison between the catalog upload tool in the Management Center and the catalog import tool from Accelerator. The main differences are driven by the fact that catalog upload is based on the data load utility while the catalog import tool is based on the mass load utility. The same CSV file customizations that can be used with data load can be used in catalog upload. In mass load, the CSV files format is fixed and cannot be customized. You can upload one catalog object at a time in catalog upload while in Accelerator you had to reload the entire file. A user interface enhancement is that you will get automatic status updates in the Management Center while you did not have this feature in Accelerator.

Catalog Upload flow



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Catalog Tool updates

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This slide shows the catalog upload flow when using a dedicated second server. The flow starts with the Management Center on a client machine when a business user uploads a CSV or compressed file. The upload file is then passed to the WebSphere Commerce Server and the Catalog Import Task Command is invoked. The custom host name from the properties file is retrieved and the command creates a row in the UPLOADFILE table. This table stores all information related to this Catalog Import Task including files, context data and status. The same task command also creates a scheduler job using the retrieved task ID and host name set to run immediately. The scheduler job is invoked immediately to run on the machine with the specified host name. This machine can be a different machine than the one used to connect to the Management Center. The scheduler job invokes the data load runtime by passing the task ID and retrieves all related information of this task from the database according to the task ID. The Data load runtime will then run the data load to load data to the Commerce database.

This is an optional configuration that will reduce the impact of the data load to the shopping flow in the production server or less impact to the authoring server.

Configuration

- **Dataload configuration** files are in the directory:
 - xml/config/com.ibm.commerce.catalog/dataload inside the EAR
- **Custom configuration** files are in the directory:
 - xml/config/com.ibm.commerce.catalog-ext/dataload inside the EAR
- **dataload.properties (hard-coded name)**
 - Optionally contain line: hostname=<<specific_hostname>
 - Used to specify which host should be dedicated server to run the data load
- **wc-dataload.xml**
 - loadSequence specifies load sequence where smaller sequences get loaded first
- **wc-loader-catalog.xml**
 - Allow Management Center to perform business checks
 - validateCatalog and validateCatalogGroup properties set to true by default

This slide highlights the differences in configuration files between the data load utility versus the catalog upload in Management Center. Similar in data load, the standard configuration files are in the directory `xml/config/com.ibm.commerce.catalog/dataload` inside the EAR. The custom configuration files can be found in the directory `xml/config/com.ibm.commerce.catalog-ext/dataload`. One of the changes in configuration options is the optional host name specification in the `dataload.properties` file. You can specify which host should be the dedicated machine run the data load. If the host name property is not specified, the data load can be run on any host in the clustering environment. You can also use the `loadSequence` property in the `wc-dataload.xml` file to specify the load sequence of your loads, where smaller sequence numbers get higher priority. Finally, there are two new validator properties in the `wc-loader-catalog.xml` file that are set to true by default in the Management Center. These will check the integrity of the catalog being uploaded to make sure the structure of the catalog is not corrupted. There is however a performance impact by enabling these checks. If you are using the data load for an initial load or large scale load where performance is critical, it is recommended to set these properties to false.

Upload options

- The Catalog Upload function provides you with the option of loading:
 - One CSV file
 - One or more CSV files in a compressed file (.zip file)
 - Multiple language CSV files in a compressed file (.zip file)
- Maximum file size is 10 MB with option to change

The catalog upload function gives you the ability to load one individual file, one or more CSV files in a compressed file format, or multiple language CSV files in a compressed file format. If you load multiple language CSV files in a compressed file, you need to make sure all the CSV files are using the same file encoding. There is a maximum file size of 10 MB for each load, but it is customizable.

CSV format for catalog data

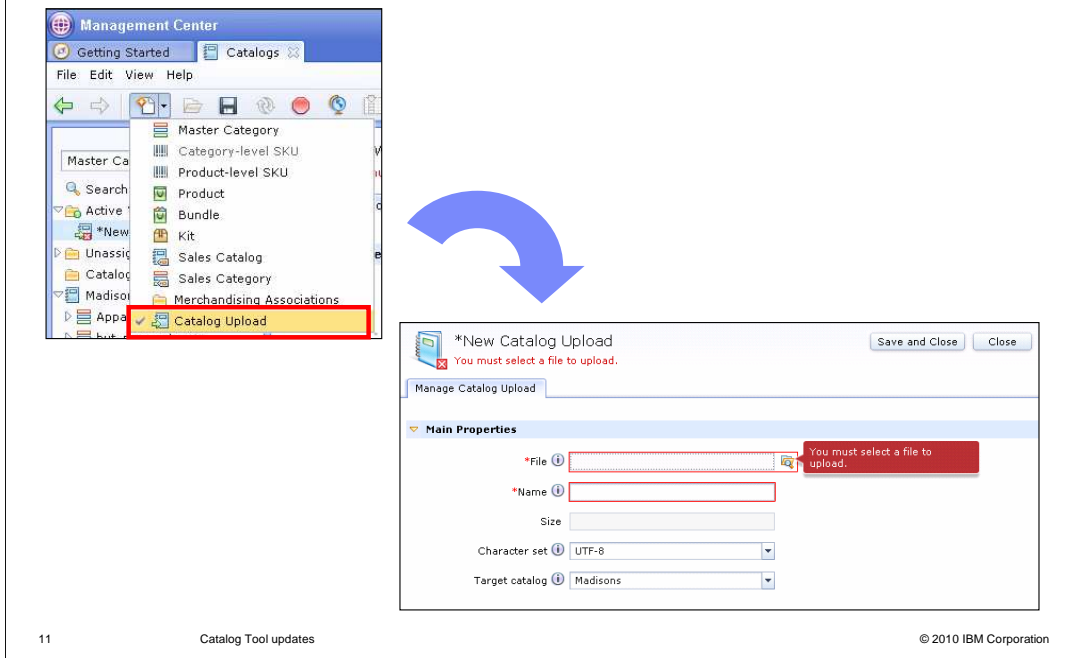
	A	B	C	D	E	F	G	H	I
1	Catalog								
2	Identifier	MasterCatalog	Description	Name	ShortDescription	LongDescription	Thumbnail	FullImage	Delete
3	Spring Fashions	FALSE	Spring Fashions	Spring Fashions	Spring Fashions	Fashions for the Spring season			

- In the CSV file:
 - The first row must contain the catalog business object name
 - The second row must contain the column headings
 - The keyword and column headers are case sensitive
 - The remaining rows, specify catalog data values
- The store ID and Catalog ID should not be specified in the CSV
 - Business object configuration file should not include the XPath mapping for these CSV columns

The CSV format for catalog data changed slightly compared to data load. The first row must contain the keyword that corresponds to the catalog business object to upload as highlighted in red. The second line, highlighted in blue, contains the column heading values defined in the data mapping of the business object configuration file associated with the load item. The remaining rows, specify catalog data values that correspond to column heading definitions. The keyword and column headers are case sensitive. Also, the store ID and catalog ID should not be specified in the CSV. This is to prevent a business user logged into a store from loading data to another store accidentally. The store ID and catalog ID are obtained from the context.

This 2-line header format is the required format for both catalog and data load uploads, however it is optional for the command-line data load utility and is configurable.

User interface for uploading catalog data



You can start a catalog upload by accessing the Catalog Upload option from the New drop down menu in the toolbar. You will see a panel to fill in the fields for the upload. You will browse for the file to upload from your local file system. There are many sample CSV files in the catalog data load samples directory (samples\DataLoad\Catalog) you can use to upload sample catalog data. The name, size and character set fields are automatically pre-filled after you select the file. After you specify the target catalog to upload the new data to, you can click the save and close button. Clicking the button will automatically launch the load.

Catalog upload status list

* Name	Size	User Name	* Target Catalog	Start Time	End Time	Status
CatalogGroups.csv	2 KB	wcsadmin	Spring Fashions	2010/02/24 10:59 AM	2010/02/24 10:59 AM	Success
CatalogGroups.csv	2 KB	wcsadmin	Madisons	2010/02/24 10:56 AM	2010/02/24 10:56 AM	Success
Catalog.csv	1 KB	wcsadmin	Madisons	2010/02/20 02:52 AM	2010/02/20 02:52 AM	Success
CatalogEntries_csv.zip	2 KB	wcsadmin	Spring Fashions	2010/02/24 03:54 PM	2010/02/24 03:54 PM	Success

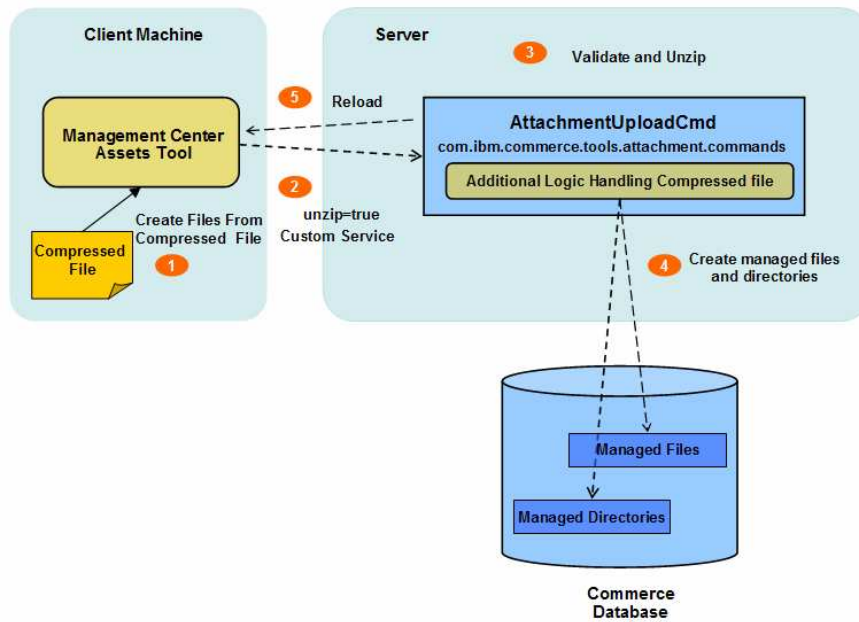
- **Server path** The server file path of the uploaded file. (Not shown by default)
- **Upload time** The time the uploaded file is uploaded to the server. (Not shown by default)
- **Unique ID** The internal unique ID of the catalog upload. (Not shown by default)

After the upload is launched, you can monitor the status of all your uploads from the catalog uploads list. The start and end times of the load is updated automatically. The status of the load updates either as success or failed. Double-clicking on the entry will bring up the detailed status of the upload including error messages if the load failed. The name, size, user name, target catalog, start and end time, and status columns appear by default. You can change what columns are shown through the column configuration pop-up menu and choose to include optional columns: server path, upload time and unique ID.

Compressed file upload

This section covers the compressed file upload feature in the Asset tool.

Interaction flow of uploading a compressed file



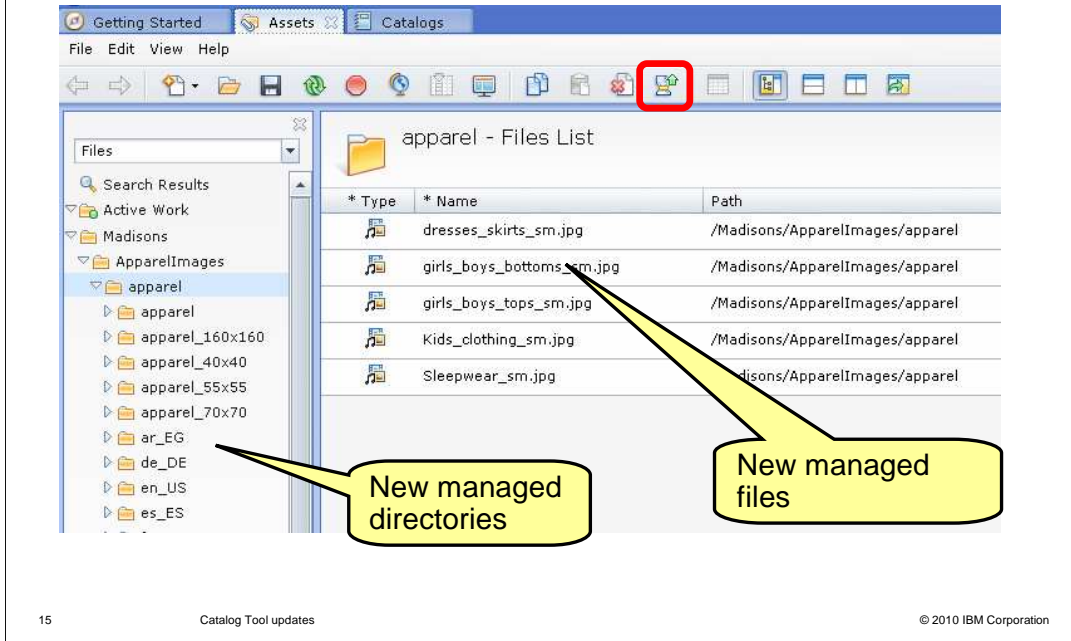
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Catalog Tool updates

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This slide shows the flow of uploading a compressed file in the Management Center Assets Tool. The AttachmentUploadCmd is updated to handle uploading a compressed file. The flow starts with a business user uploading a compressed file from the Management Center on a client machine. A client custom service will call the existing AttachmentUploadCmd with the new parameter unzip=true. The command has additional logic to validate the compressed file and extract the files in memory. AttachmentUploadCmd will then call WriteManagedFileCmd multiple times to create managed files for each of the files in the compressed file and create managed directories for each of the sub directories in the compressed file. All this is triggered when the compressed is uploaded and will automatically reload to show the uploaded files or directories.

Imported images



This slide shows you the User Interface of the Assets Tool along with the new tool bar option for the compressed file upload. The screen capture shows newly uploaded managed files and directories as a result of the load.

Limitations

- Supported compression file types: .zip, .jar, .tar
- File type with .rar is not supported because it is not in the supported type of attachment.
- Recommended limitations to maximize performance and are configurable
 - Maximum file size is 10 MB
 - Only the first 500 files of a compressed file are created as managed files
 - Extracted size of all files in a compressed file cannot exceed 100 MB

Supported compression file types include .zip, .jar, and .tar files. However, .rar file types are not supported because it is not a supported type of attachment. Although configurable, there are some recommended limitations in to maximize performance. The maximum base compressed file limit file size is 10 MB. If a compressed file contains more than 500 files, only the first 500 files are created as managed files. The total expanded file size of all files in a compressed file cannot exceed 100 MB.

Possible error conditions

- The file is not a supported type or is corrupted
- The file is too large
- Some files contained in the compressed file are not supported attachment types
- Some files contained in the compressed file already exist as managed files
- The number of files contained in the compressed file exceeds the limit of 500

There are five types of error conditions that can result from a compressed file upload. The first two types result in error messages that cause failed loads, while the remaining three types of errors result in error messages with partial loads. When a corrupted or unsupported file type is uploaded, you will receive an error message preventing you to go further. You will see the same result if the size of the compressed file exceeds the maximum size limit for the attachment. There are also cases when only some files contained in the compressed file are not supported. The files with unsupported file types are ignored while supported file types are created as managed files. Trace will record the files which are ignored. For cases when some files contained in the compressed file already exist as managed files, the duplicate files are overwritten. The upload timestamp is updated. The files that are new are created as managed files. When the number of files contained in the compressed file exceeds 500, only the first 500 files are created as managed files. The rest of the files are ignored and are not recorded in the trace logs.

Ability to move sales categories

This section covers the ability to move sales categories feature.

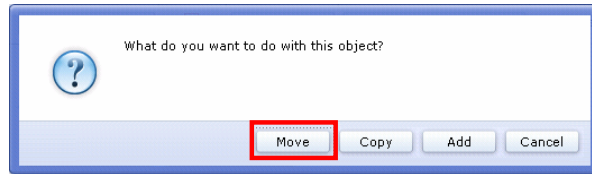
Overview

- Create a sales category with multiple parents inside the same sales catalog
 - Link function now reserved to reference categories across catalogs
- Add new parents to a sales category
- Move a sales category from one parent to another parent
- Remove an existing parent from a sales category

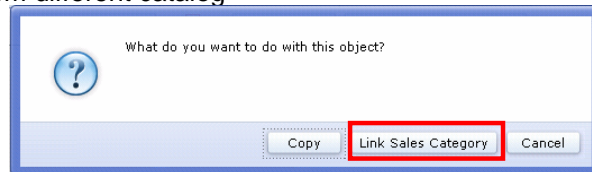
Until now, the link function was the only way to achieve multiple browsing paths by first creating a parent and then using link inside the same sales catalog to add multiple parents. In feature pack 1, you can create sales categories with multiple parents inside the same sales catalog. The link function will now be reserved to create a link from one sales category to another across different catalogs. So you should no longer use the link function for sales categories which belong to the same sales catalog. You can also move and remove sales categories from one parent to another within the same catalog.

Adding and moving a child category to a parent category

- Add/move child to parent within same catalog
 - Browse for child category in utility pane, drag to sales categories in explorer tree



- Add/move child to parent from different catalog



This slide shows the differences between moving a category within a catalog versus moving a category across different catalogs. You can move categories by dragging and dropping a child category from the utility pane or list view in the Management Center to the parent category in the explorer tree. When moving sales categories within the same catalog, you will see the pop-up window with options to Move, Copy, Add or Cancel. However, when trying to move sales categories across different catalogs, you will only see the option to copy, Link Sales Category and Cancel.

Differences between Remove and Delete options

The screenshot shows a catalog tool interface with a tree view of categories. The root is 'Madison's Sales Catalog'. Under it are 'Kitchen Accessories', 'Coffee and Espresso Makers', 'Oils', and 'Pots and Pans'. Under 'Kitchen Accessories' is 'Accessories'. Under 'Pots and Pans' is 'Accessories'. A red box highlights the 'Accessories' category under 'Pots and Pans', with a red arrow pointing to it. A yellow callout box labeled 'Parent 1' points to 'Kitchen Accessories', and another yellow callout box labeled 'Parent 2' points to 'Pots and Pans'. To the right is a warning dialog box with a yellow triangle icon. The text in the dialog box reads: 'Accessories can either be deleted or removed. Select **Delete** to delete Accessories and all references to it from the system. Select **Remove** to remove Accessories from Kitchen Accessories. All other references to it will be preserved.' The dialog box has three buttons: 'Delete', 'Remove', and 'Cancel'.

- Scenario: One child category with two parent categories.
- Remove category
 - Only current parent relationship removed
 - Accessories is only removed from Parent 2 (Pots and Pans)
- Delete category
 - Sales category is deleted
 - All relationships are deleted

This slide demonstrates the differences between removing and deleting a sales category. Imagine a scenario where the Accessories category has two parent relationships: Kitchen Accessories and Pots and Pans. Removing the Accessories category from the Pots and Pans parent category will remove the current parent relationship between Accessories and Pots and Pans. The Accessories category will then only exist under Kitchen Accessories. If you delete the Accessories category from Pots and Pans instead of removing, you will see all relationships deleted since the Accessories sales category itself is deleted. As a result, the Accessories category will disappear from both parents: Kitchen Accessories and Pots and Pans.

Section

Auto SKU generation

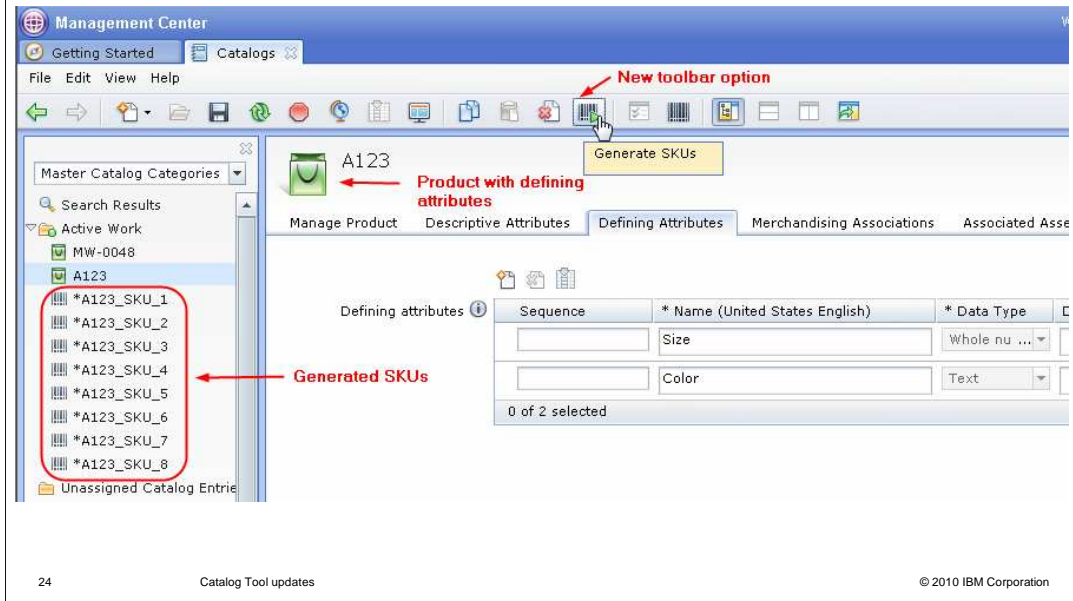
This section covers the auto SKU generation feature.

Overview

- Provides ability to generate SKUs for a new product with defining attributes
- Generated SKUs will have a code based on the product code
- SKUs inherit properties of the parent product
- SKUs can be removed before saving if not all combinations are needed

The Catalogs tool now supports creating multiple SKUs for a product at once. You can now easily generate a set of SKUs based on all the possible combinations of your product's defining attributes. This added functionality reduces the time it takes to create SKUs one at a time. Generated SKUs will have a code based on the product code, and is editable within the Management Center. In the case of a single generated SKU, the code is `productcode_SKU`. In the case of multiple SKUs, the product codes are `productcode_SKU_1... productcode_SKU_n`. SKUs will inherit all the base properties of the parent, such as descriptions, images, pricing, and so on. Merchandising associations are not inherited since those exist at the product level only. When the SKUs are generated initially they are in edit mode. You can remove combinations that do not exist in your catalog before saving. Thus you only create combinations that exist and not every combination of the product's attributes.

SKU generation



This screen capture shows the new Generate SKUs toolbar option. You can see the unsaved list of generated SKUs in the Active Work. This is the point in time where you can pick and choose which combination to save if there are ones that do not exist in your catalog. At any time during the generation process, you can also use the stop button in Management Center to halt the generation of any further SKUs.

Limitations

- A maximum of 500 SKUs are generated
- SKUs cannot be generated for products with attribute dictionary attributes
- SKUs cannot be generated if the new defining attributes of a product are unsaved
- SKUs cannot be generated for an inherited product

Some limitations exist for SKU generation. If the possible combination of attribute values exceeds 500, only the first 500 are generated and you will get a warning message. Products that contain attribute dictionary attributes are not supported as there are no create, update and delete services available. This prevents the copying of descriptive attributes to the SKU and the creation of defining attributes in the SKU. An error message opens if you try to generate SKUs for such a product. All new defining attributes need to be saved before SKUs can be generated, because the attributes ID is needed to create SKUs and it is not available until it has been saved. SKU generation for inherited products is also not supported. Additionally, if generated SKUs have codes that conflict with existing SKUs, you will get an error when attempting to save in the Management Center.

Expose all product properties

This section covers the additional product properties that are exposed.

All properties now accessible

Manufacturer

Manufacturer part number

NEW URL

*Parent category (master catalog)

Custom

Field 1 (Integer)

Field 2 (Integer)

Field 3 (Decimal)

Field 4 (Text)

Field 5 (Text)

NEW

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The Management Center now supports editing of all properties that are accessible in Accelerator. The fields that were previously not available in the Management Center are not included. The added fields are URL and the five custom fields. These are done in a generic format since the business user will apply meaning to these fields and customize to display an appropriate label.

Update labels for custom fields

Custom

Field 1 (Integer)

Field 2 (Integer) A customized field for your product data. The entry must be a whole number.

Field 3 (Decimal)

Field 4 (Text)

Field 5 (Text)

New section name

My integer field

Field 2 (Integer) My updated help text.

Field 3 (Decimal)

Field 4 (Text)

Field 5 (Text)

- Create a custom property file and modify the Open Laszlo file to use that file

You can change these labels using the standard customization process where you create a new properties file and update the Open Laszlo code to point to the new properties file for those labels.

Many-to-many merchandising associations

This section covers the many-to-many merchandising associations feature.

Overview

- Create multiple merchandising associations for set of catalog entries
- Delete all merchandising associations and referenced merchandising associations for a set of catalog entries

You can now create merchandising associations for a set of multiple catalog entries. Previously, if you wanted to create similar merchandising associations for many catalog entries, you had to set up merchandising associations for each catalog entry individually. This new functionality allows you to set up or delete similar merchandising associations for multiple catalog entries at once.

Creating merchandising associations

The screenshot shows the 'Getting Started' window of the Catalog Tool. In the left-hand navigation pane, the 'Merchandising Associations' option is highlighted. A blue arrow points from this option to a dialog box titled '*New Merchandising Associations'. The dialog box contains the following elements:

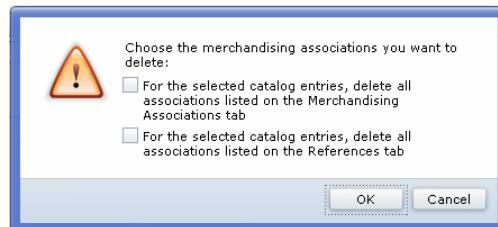
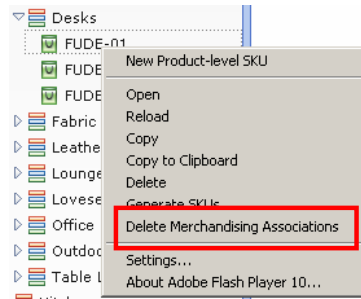
- A warning message: "There must be at least one catalog entry specified in the **Catalog entries** table."
- A checkbox: "Remove existing merchandising associations from the **Catalog entries**."
- A search bar with a "Find and Add" button and icons for search, refresh, and delete.
- A table for "Catalog entries" with columns: * Type, * Code, Name. Below the table, it says "0 of 0 selected".
- Another search bar with a "Find and Add" button and icons for search, refresh, and delete.
- A table for "Merchandising associations (target catalog entries)" with columns: Sequence, * Association, * Type, * Code, Name. Below the table, it says "0 of 0 selected".
- Buttons for "Save and Close" and "Close".

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This is the new user interface to create new merchandising associations. You can access the new Merchandising Associations feature from the New drop down menu. Note that this is not accessed from an individual product or catalog entry. The new creation pane will allow you to remove existing merchandising associations before creating new ones. You can browse for catalog entries using the Utility pane and drag catalog entries into the Catalog entries and Merchandising associations or target catalog entries table. The result is a set of catalog entries in the first table will have associations to all of the target entries in the second table.

Deleting merchandising associations

- Select one or more catalog entries you want to delete merchandising associations for
- Choose one or both
 - Delete all merchandising associations the selected catalog entry references
 - Delete all merchandising associations that reference the selected catalog entries



To delete all the merchandising associations for one or more catalog entries you can select one or more catalog entries you want to delete merchandising associations for and right-click the selected catalog entries. Select Delete Merchandising Associations from the drop down menu. A pop-up window opens with the two options. You can choose one or both of the merchandising association options that you want to delete. For the selected catalog entries, you can either delete all associations listed on the Merchandising Associations tab or delete all associations listed on the References tab.

Limitation

- Maximum total number of associations session ≤ 2000
 - Source catalog entries * target catalog entries ≤ 2000
- Customize by changing
 - “maximumAssociations” attribute of “catMTMMerchandisingAssociationValidator” class

There is a limitation in the total number of associations per session to be less than or equal to 2000. This means that the number of source catalog entries multiplied by the number of target catalog entries must be less than or equal to 2000. Although this limitation is driven by performance, you can customize the limitation by changing the maximumAssociations attribute of the catMTMMerchandisingAssociationValidator class.

Property editor pagination support

This section covers the new pagination support for property editors.

Changing preferences

- Page size
 - The tool uses the page size to determine how many business objects to display on each page
 - By default, this value is set to 500

Preferences

Store Name ⓘ
Madisons

Language ⓘ
United States English

Number format ⓘ
1,234,567.89

Date format ⓘ
YYYY/MM/DD

Time format ⓘ
12-hour clock

Time zone ⓘ
Eastern Time

Start week with this day ⓘ
Sunday

Page size ⓘ
50
50
100
250
500

Cancel

To improve response time, you can specify a page size preference in the Management Center Preferences dialog. The Management Center tools use this preference setting to determine how many business objects to display on each page so that you do not have to wait while all objects are loaded. For example, if you specify 50 as the page size, 50 business objects are displayed on each page. In feature pack 1, you now have pagination support for property editors similar to paging for primary objects.

Pagination support

Descriptive Attributes and Merchandising Associations

The screenshot displays the 'Merchandising Associations' view for product MW-0003. The interface includes a 'Find and Add' search bar and a 'Show All' dropdown. The table below shows the loaded objects:

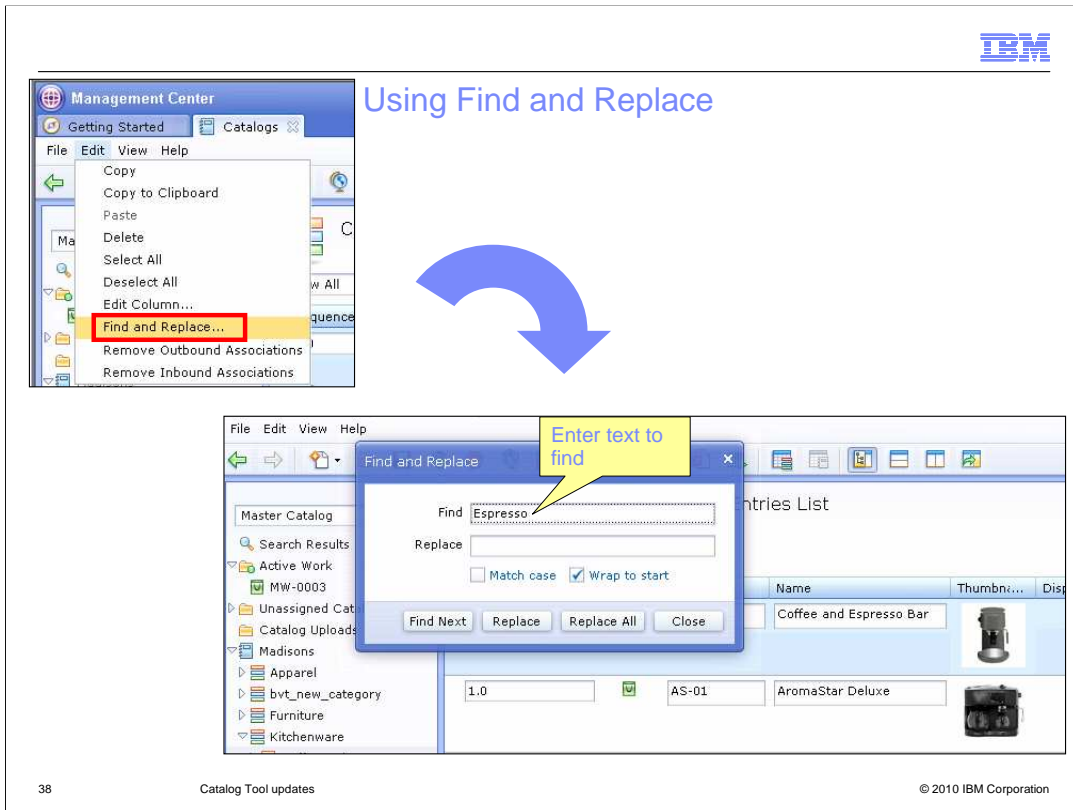
Sequence	* Association	* Type	* Code	Name	Quantity
0.0	Accessories	<input checked="" type="checkbox"/>	FULE-01	Wing Tip Leather Sofa	1
0.0	Accessories	<input checked="" type="checkbox"/>	FULE-02	Purple Leather Sofa	1
0.0	Accessories	<input checked="" type="checkbox"/>	FULOV-01	Blue Fabric Love Seat	1
0.0	Accessories	<input checked="" type="checkbox"/>	FULOV-02	White Fabric Loveseat	1
0.0	Accessories	<input checked="" type="checkbox"/>	KISC-01	Arouse-Your-Senses Gift Set	1
0.0	Accessories	<input checked="" type="checkbox"/>	KISC-02	Arouse-Your-Senses Deluxe Gift Set	1

At the bottom of the table, a red box highlights the pagination controls, which show '0 of 50 selected' and page navigation buttons (1, 2, and arrows).

New pagination controls are displayed in Defining Attributes and Merchandising Associations view of a catalog entry to help you manage large search results. The pagination controls allow you to move through pages of search results to view additional objects when there exists more objects than the page size you specified in the preferences.

Find and replace

This section covers the new find and replace feature.



In feature pack 1, you can use the Find and Replace function to quickly replace text strings in multiple items in the list view of the Management Center. You can change text strings in business objects such as product descriptions, promotion names, or attachment descriptions.

Catalog search enhancements

This section covers the catalog search enhancements.

Enhanced search

The screenshot shows a search results page titled "Search Results - Categories". The search bar at the top right contains the query "App*, Furn*, *ware". Below the search bar, a message states: "The system loaded page 1 of 5 objects matching App*, Furn*, *ware. To load more matches, right-click and click Load Next Page or Load Previous Page." The results are displayed in a table with the following columns: * Type, * Code, * Name, Thumbnail, Thumbnail Path, Display to Customers, and Short Name.

* Type	* Code	* Name	Thumbnail	Thumbnail Path	Display to Customers	Short Name
	Furniture	Furniture		images/catalog/furniture/FU_sm.jpg	<input checked="" type="checkbox"/>	Furn this
	Tableware	Tableware		images/catalog/tableware/TA_sm.jpg	<input checked="" type="checkbox"/>	Tabl
	Kitchenware	Kitchenware		images/catalog/kitchenware/KI_sm.jpg	<input checked="" type="checkbox"/>	Kitch ever
	Silverware	Silverware		images/catalog/tableware/TASI_sm.jpg	<input checked="" type="checkbox"/>	Whe best
	Apparel	Apparel		images/catalog/apparel/Kids_clothing_sm.jpg	<input checked="" type="checkbox"/>	The

At the bottom of the page, there is a footer with the number "40", the text "Catalog Tool updates", and the copyright notice "© 2010 IBM Corporation".

In feature pack 1, you can now combine the use of wildcards and multiple search terms in quick search to filter out search results in a large catalog.

Summary

- **Catalog management features**
 - Compressed file upload
 - Catalog upload
 - Ability to move sales categories
- **Product management features**
 - Automatically generate SKUs
 - Manage all product properties
 - Many-to-many merchandising associations
 - Property editor pagination support
- **General features**
 - Find and replace in grid
 - Enhanced quick search

This presentation began with an overview of the catalog management features, which include the catalog upload, compressed file upload and the ability to move sales categories. The product management features were then introduced. These include the ability to automatically generate SKUs, manage all product properties, create many-to-many merchandising associations and pagination support for properties editor. Finally, the general features were shown. These include the find and replace in list view and enhanced quick search.

References

- **Creating multiple managed files from a compressed file**
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- **Working with Data Load utility in V7**
<http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/index.jsp?topic=/com.ibm.commerce.data.doc/tasks/tmldataoaddev.htm>
- **Catalog Upload**
<http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/index.jsp?topic=/com.ibm.commerce.management-center.doc/concepts/cpnscvcatupload.htm>
- **CSV Format for Catalog data**
<http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/topic/com.ibm.commerce.management-center.doc/refs/rpncatloaditems.htm>
- **Working with Merchandising Associations**
<http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/index.jsp?topic=/com.ibm.commerce.management-center.doc/tasks/tpnmanew.htm>

This slide contains some useful references for further reading.



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