

## Catalog enhancements

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## What this exercise is about

In this tutorial, you will use the Management Center Catalog and Asset tools to update the store catalog. You will use many of the new Management Center enhancements including SKU generation, creating many-to-many merchandising associations and moving sales catalog categories.

This tutorial should take approximately 90 min to complete.

## What you should be able to do

After completing this exercise, you should be able to:

- Upload categories and entries in Management Center
- Import images from a compressed file
- Automatically generate SKUs
- Create many-to-many merchandising associations
- Move a sales category from one parent to another parent

## Introduction

The following naming conventions are used in the exercises:

Reference Variable	Description
<WCDE_INSTALL_DIR>	C:\IBM\WCDE_ENT70
<WCDE_HOST>	Hostname for WebSphere Commerce Developer

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## Part 1: Set the inventory system to Non-ATP

In this part of the lab, you will prepare your system to upload the sample catalogs. The sample data load file requires a non-ATP inventory system so you will update the Madisons store to be non-ATP.

- \_\_\_ 1. Update the inventory system for the Madisons store.
  - \_\_\_ a. Open WebSphere Commerce Developer and start your test server.
  - \_\_\_ b. Open a browser window and go to **https://localhost/webapp/wcs/admin/servlet/db.jsp**
  - \_\_\_ c. Enter the SQL below to set the inventory system for the Madisons storefront asset store to non-ATP.

```
update STORE set INVENTORYSYSTEM=-2 where STORE_ID in (select  
STOREENT_ID from STOREENT where IDENTIFIER = 'Madisons');
```

Enter SQL statements then click **Submit Query**. Terminate all SQL statements with a semi-colon (;)

```
update STORE set INVENTORYSYSTEM=-2 where STORE_ID in (select STOREENT_ID from STOREENT where  
IDENTIFIER = 'Madisons');
```

Submit Query

Clear All

- \_\_\_ d. Click **Submit Query**.
- \_\_\_ e. **Restart** your WebSphere Commerce test server.

## Part 2: Upload Catalog data

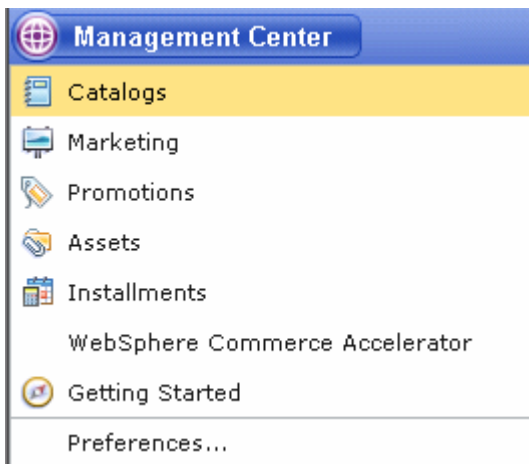
In this part of the lab, you will upload catalog groups and entries to the Madisons store catalog.

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Note: You must use Internet Explorer to complete this part. File upload is not working with Firefox.

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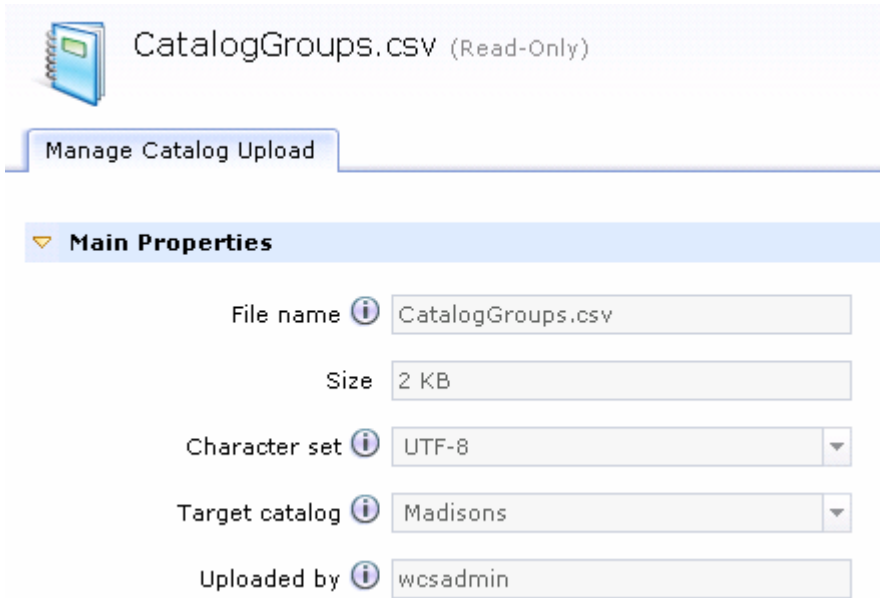
- \_\_\_ 1. Open the hints and tips page at <WCDE\_INSTALL\_DIR>hintsandtips.html.
- \_\_\_ 2. Launch the Madisons store.
  - \_\_\_ a. Navigate through the various sales catalog categories and keep it open for comparison.
- \_\_\_ 3. Launch the **Management Center** using the link provided in the **Useful URLs** section.
- \_\_\_ 4. Open the **Catalogs** tool.



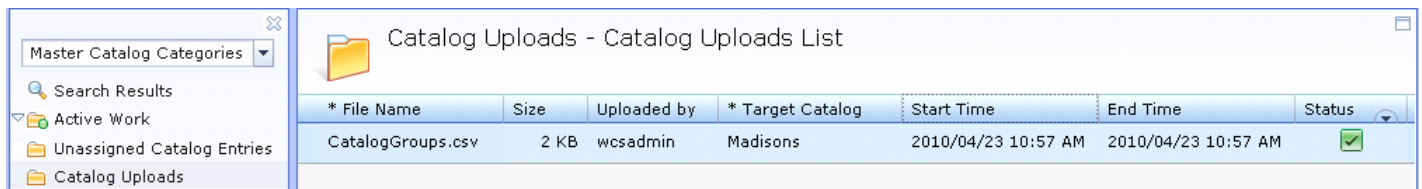
- \_\_\_ 5. In the tool bar, select **New > Catalog Upload**



- \_\_\_ 6. Uploading new catalog groups to the Madisons Master Catalog.
  - \_\_\_ a. In the Main Properties section, browse to <WCDE\_INSTALL\_DIR>\samples\DataLoad\Catalog\ directory and select to upload the **CatalogGroups.csv**.
  - \_\_\_ b. The rest of the fields should be pre-filled. Select **Madisons** as your Target catalog.
  - \_\_\_ c. Click **Save and Close**.



- \_\_\_ 7. In the explorer pane, click **Catalog Uploads** to see the status of your latest upload.
  - \_\_\_ a. Click the entry to see a full status.



▼ **Main Properties**

File name ⓘ

Size

Character set ⓘ

Target catalog ⓘ

Uploaded by ⓘ

▼ **Status**

Status ⓘ

Summary report ⓘ

Processing CatalogGroup...

-----  
Load summary for load item: CatalogGroup.  
-----

Business Object Configuration: wc-loader-catalog-group.xml

Data loader mode: Replace.

Batch size: 1.

Commit count: 1.

Error Tolerance Level: 1.

Error Count: 0.

Amount of data processed: 8.

Amount of business objects processed: 6.

Amount of business objects committed: 6.

Data loader initialization time: 0 seconds.

Data loader execution began: Fri Apr 23 10:57:35 EDT 2010

Data loader execution ended: Fri Apr 23 10:57:38 EDT 2010

Data loader completed in 3.141 seconds.

Total flush time: 0 seconds.

Total commit time: 0 seconds.

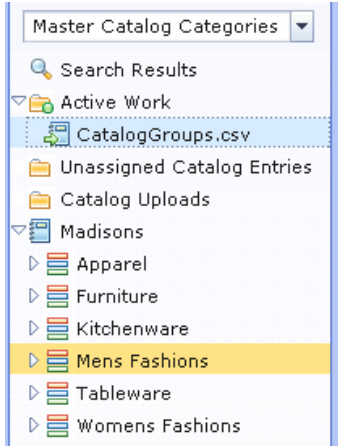
CSV file location: C:\IBM\WCDE\_E~1\wasprofile\temp\dataload\10001\CatalogGroups.csv.

Affected tables (5):

Table name: CATGROUP, Affected number of rows: 6.

Table name: STORECGRP, Affected number of rows: 6.

- \_\_\_ 8. See the results of upload.
  - \_\_\_ a. Go to **Master Catalog Categories**.
  - \_\_\_ b. Reload your Catalog Categories by clicking on the **Refresh** button. You should see **Mens Fashions** and **Womens Fashions** categories appear.

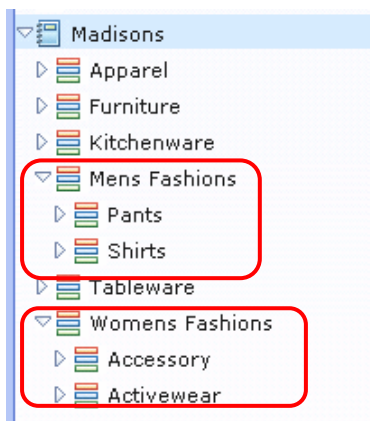


- \_\_\_ 9. Upload Catalog entries into the new **Mens Fashions** and **Womens Fashions** Categories
  - \_\_\_ a. Repeat step 6 – 8 with **CatalogEntries.csv** and **CatalogEntries2.csv**. Upload these entries to the Madisons.

You should find this file in the same location (<WCDE\_INSTALL\_DIR>\samples\DataLoad\Catalog) as CatalogGroups.csv.

* File Name	Size	Uploaded by	* Target Catalog	Start Time	End Time	Status
CatalogEntries2.csv	2 KB	wcsadmin	Madisons	2010/04/23 11:06 AM	2010/04/23 11:06 AM	✓
CatalogGroups.csv	2 KB	wcsadmin	Madisons	2010/04/23 10:57 AM	2010/04/23 10:57 AM	✓
CatalogEntries.csv	4 KB	wcsadmin	Madisons	2010/04/23 11:05 AM	2010/04/23 11:05 AM	✓

- \_\_\_ b. Reload your Catalog Categories by clicking on the **Refresh** button. You should see several child categories and entries appear under the **Mens Fashions** and **Womens Fashions** categories.



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## Part 3: (Optional) Decrease wait time for file upload

This part of the lab is optional. When you upload catalog images using the Assets tool in the next part there is a delay before the files are copied to the WebSphere Commerce EAR file. The length of the delay is configurable and is set to 60 minutes by default. You might want to shorten this time for the purpose of testing the catalog image upload.

- \_\_\_\_ 1. Open the Information Center and navigate to **Administering > Marketing > Catalog and marketing attachments > Changing managed file WebSphere Commerce EAR updater parameters**
- \_\_\_\_ 2. Select the update frequency you want for testing and update `<workspace_dir>\wc\xml\config\wc-server.xml` according to the Information Center documentation.
- \_\_\_\_ 3. **Restart** your test server.



## Part 4: Import product images

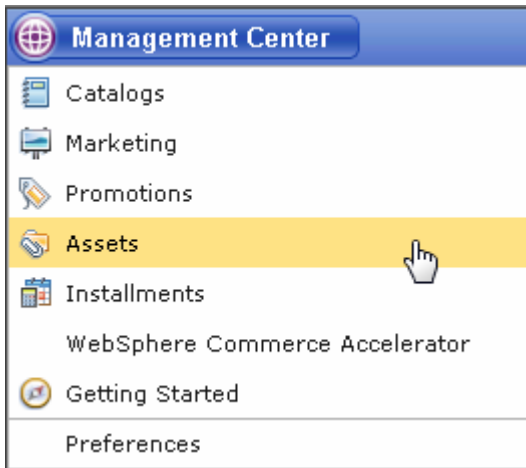
In this part of the lab, you will import the images for the new product you will create later.

---

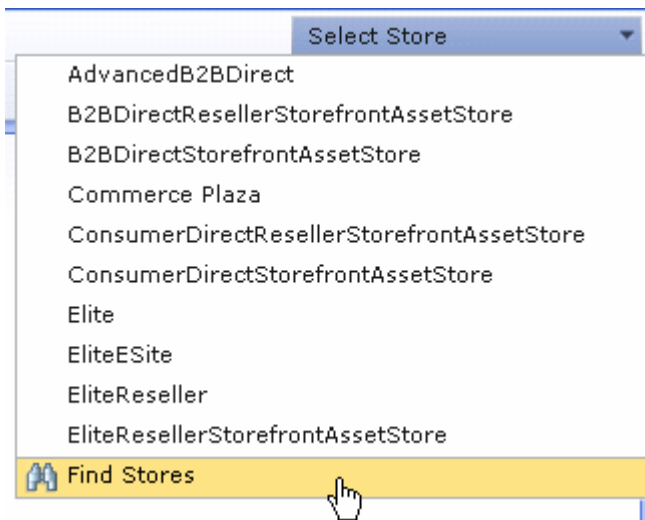
Note: You must use Internet Explorer to complete this part. File upload is not working with Firefox.

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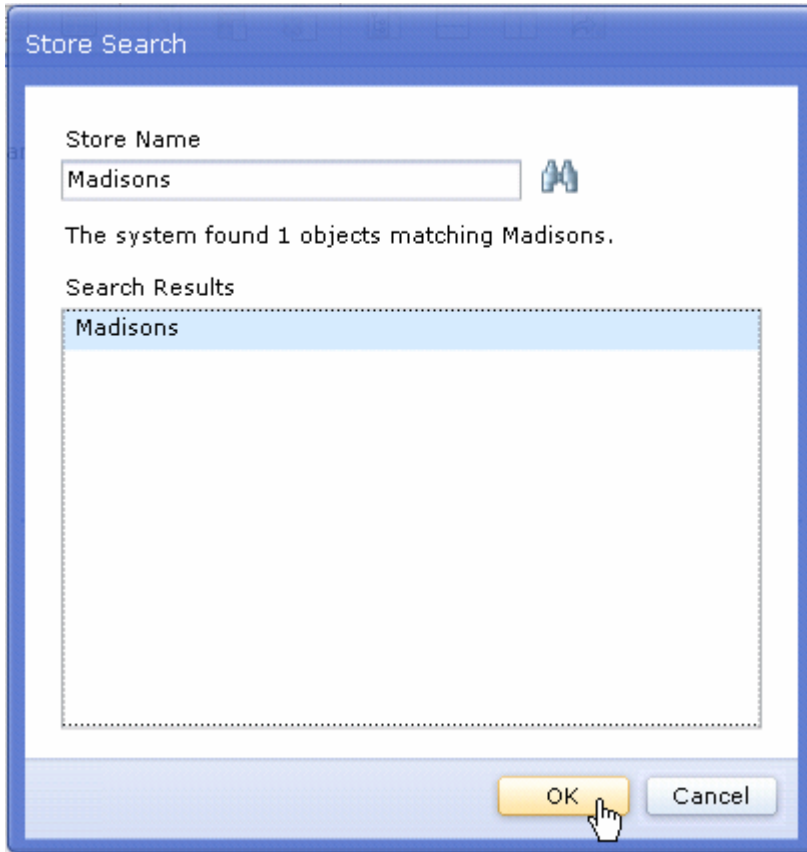
- \_\_\_ 1. Open the hints and tips page at `<WCDE_INSTALL_DIR>\hintsandtips.html`.
- \_\_\_ 2. Launch **Management Center** using the link provided in the **Useful URLs** section.
- \_\_\_ 3. Open the **Assets** tool.



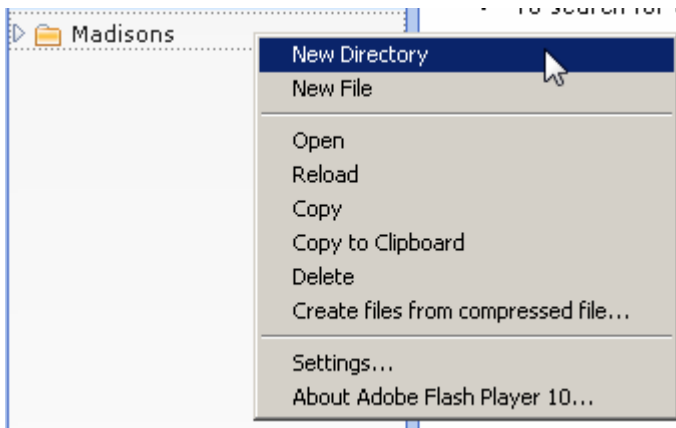
- \_\_\_ 4. Select the **Madisons** store. If the Madisons store does not appear in the drop down store list, find it using the store search feature.
  - \_\_\_ a. Select **Find Stores**



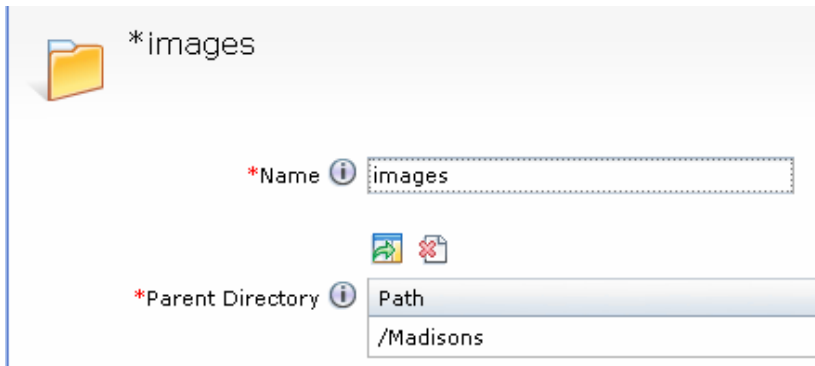
- \_\_\_ b. Enter **Madisons** in the search field and click the binoculars. Select **Madisons** from the search results and click **OK**.



- \_\_\_ 5. In the Navigation pane, right click **Madisons** and select **New Directory**.



\_\_\_ 6. Name your new directory **images** and click **Save and Close**.



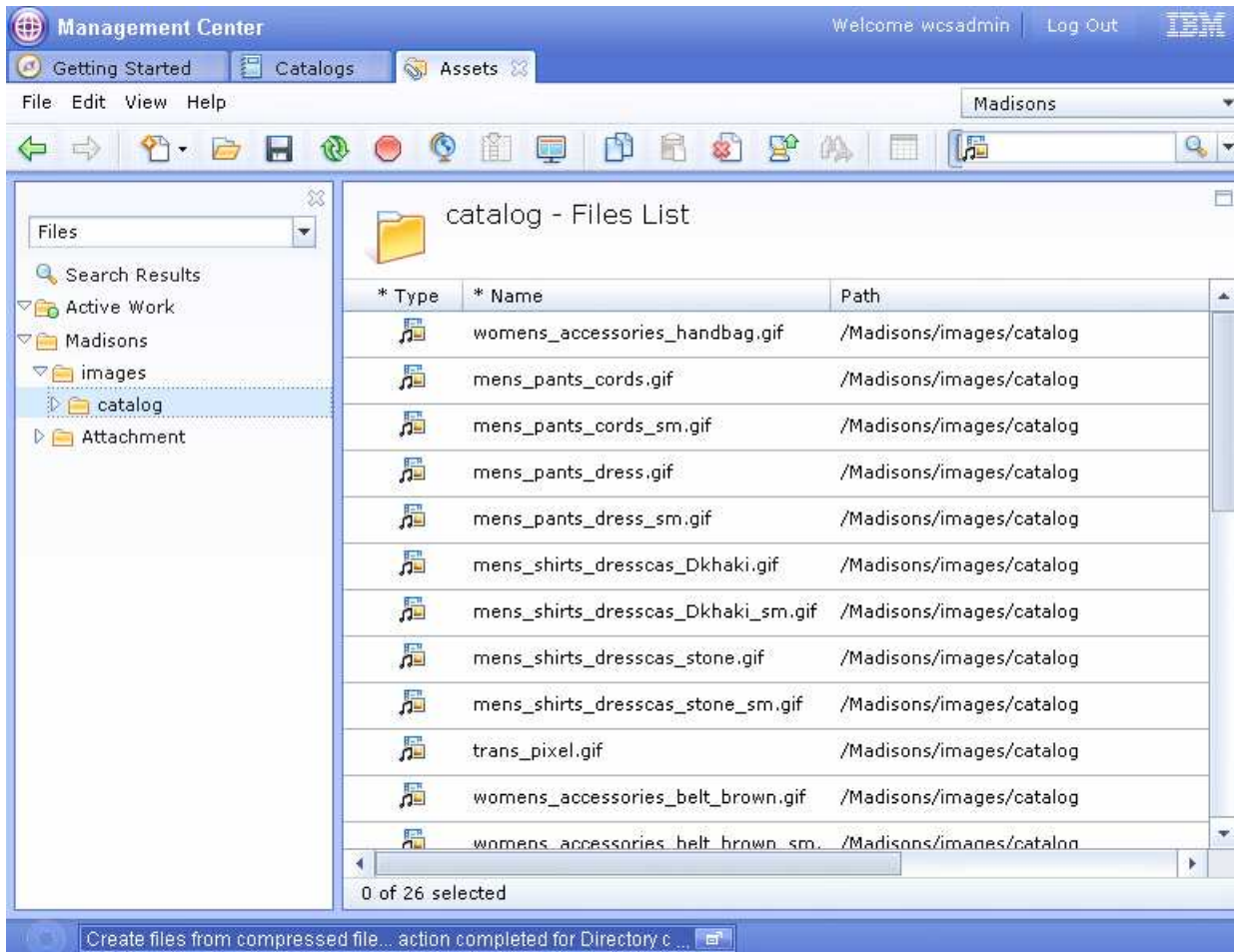
\_\_\_ 7. Create a new directory **catalog** under the **images** directory. Click **Save and Close**.

\_\_\_ 8. Expand the Madisons folder and right click the new **catalog** folder.

\_\_\_ 9. Select **Create files from compressed file...**

\_\_\_ 10. Browse to <WCDE\_INSTALL\_DIR>\samples\catalogimport\ and select the file **images.zip** and click **Open**.

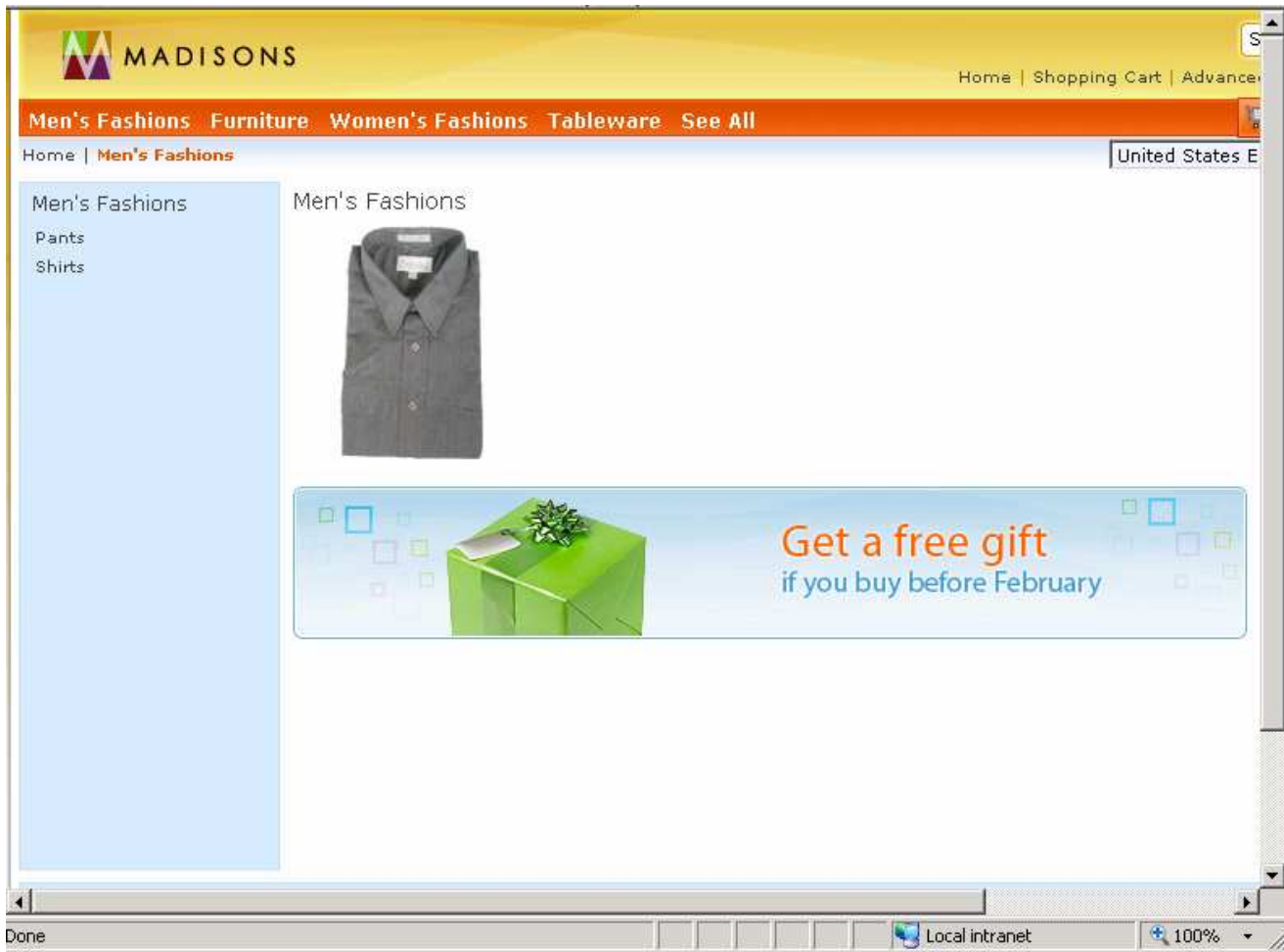
\_\_\_ a. You should see a list of 26 images.



## Part 5: Viewing uploaded data on store front

In this part of the lab, you will verify the new product you created displays in the Madisons store.

- \_\_\_ 1. Open the hints and tips page at `<WCDE_INSTALL_DIR>hintsandtips.html`.
- \_\_\_ 2. Launch the **Madisons** store.
- \_\_\_ 3. Verify changes on the store front
  - \_\_\_ a. Navigate to the **Men's Fashions** and **Women's Fashions** category page.
  - \_\_\_ b. Verify that the entries you have added appear on the page.



- \_\_\_ 4. You can try uploading other .csv files or creating your own.

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## **Part 6: (Optional) Reset the wait time for file upload**

If you decreased the wait time for images to be created in the WebSphere Commerce EAR file in Part 1 you might want to reset the value when you finish testing.

## Part 7: Add Defining Attributes

In this section, you will take an existing product you just uploaded and define its attributes.

- \_\_\_ 1. Open the **Catalogs** tool and select the **Madisons** store.
- \_\_\_ 2. Expand the **Madisons** catalog from the **Master Catalog Categories**.
- \_\_\_ 3. Navigate to the **Mens Fashions > Shirts > Dress Shirt** product, and open the product by double clicking or right click and select Open.
- \_\_\_ 4. Set the product properties
  - \_\_\_ a. Expand the **Pricing** tab and set the offer **price** for the shirt as shown below.

▼ Pricing

List price ⓘ

* USD	BRL	CAD
33.00		
0 of 1 selected		

📄 ✖ 📊

Offer price (Madisons) ⓘ

Minimum Quantity	* USD
1	29.99
1 of 1 selected	


- \_\_\_ 5. Set the product attributes.
  - \_\_\_ a. Switch to the **Defining Attributes** tab.

Manage Product
Descriptive Attributes
Defining Attributes

\_\_ b. Define the **Color** attribute with values **Red**, **Green**, and **Blue** as shown below and click **Save and Close** to go back to the Defining Attributes tab.




**Attribute Properties**


\*Name (United States English)

\*Data type 

Description (United States English)

**Attribute values**


  

Attribute values 	Sequence (United States English)	* Value (United States English)
	<input type="text"/>	Red
	<input type="text"/>	Green
	<input type="text"/>	Blue
1 of 3 selected		

\_\_ c. Define a second attribute **Size** with values **Small**, **Medium**, and **Large**.

**Attribute Properties**

\*Name (United States English)

\*Data type 

Description (United States English)

**Attribute values**

Attribute values 	Sequence (United States English)	* Value (United States English)
	<input type="text"/>	Small
	<input type="text"/>	Medium
	<input type="text"/>	Large
1 of 3 selected		

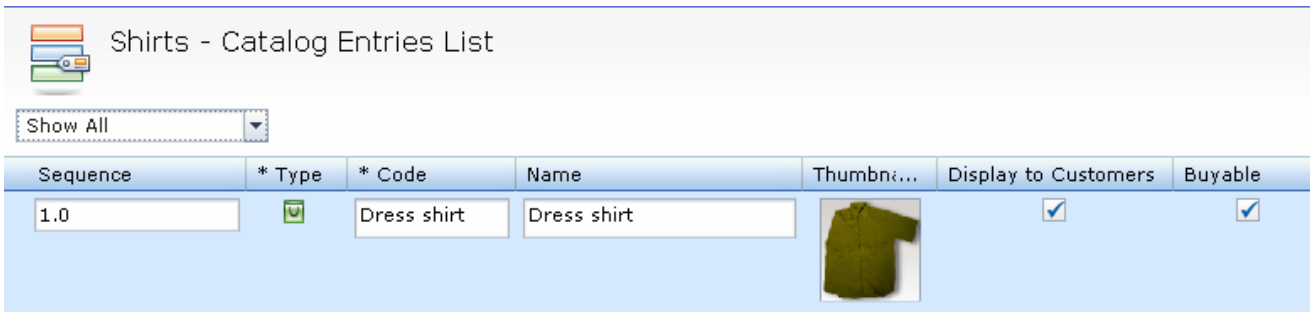
\_\_ d. **Save and close** the product.

## Part 8: Generate SKUs

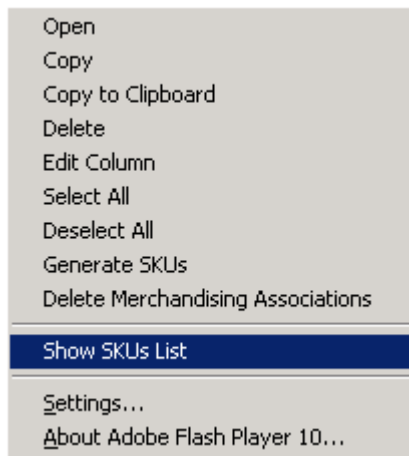
In this part of the lab, you will generate SKUs for the product you defined in the previous part. The product has 2 defining attributes: Color and Size. Each attribute has 3 possible values for a total of 9 SKUs.

\_\_\_ 1. Before you generate the new SKUs, you should delete the existing SKUs uploaded for this product.

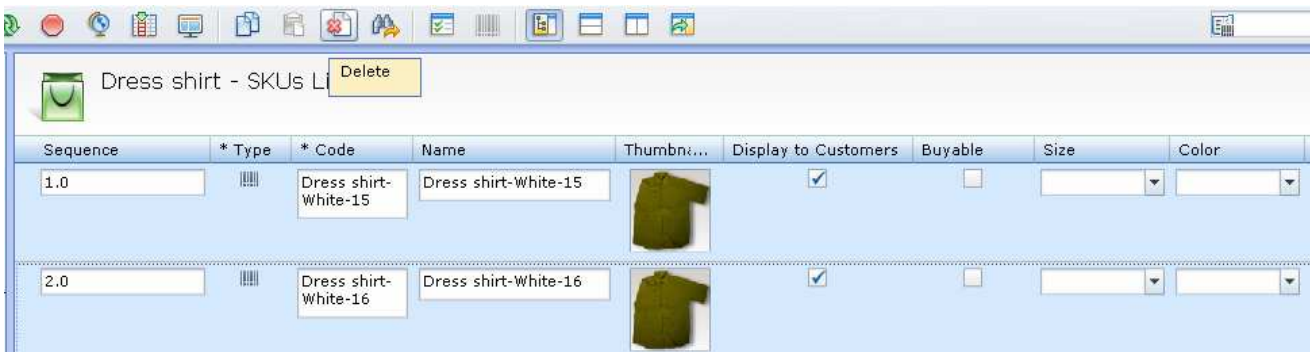
\_\_\_ a. Select the **new product** in the Explorer view. Mark the product as **Buyable** and click **Save**.



\_\_\_ b. Right click the product and click show existing SKUs in the tool bar.

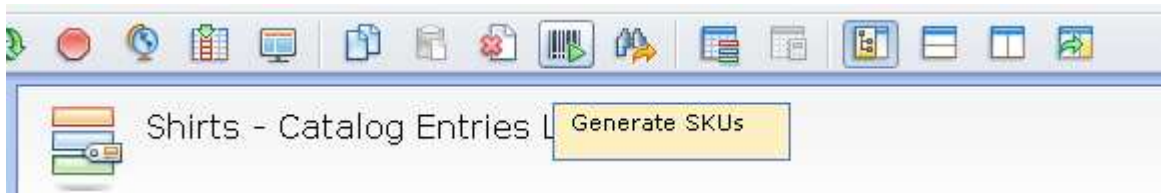


\_\_\_ c. Select both SKUs and delete.





\_\_\_ 2. Select the product once more. Click **Generate SKUs** toolbar button.



\_\_\_ 3. The SKU list is populated with the new new SKUs.

Dress shirt - SKUs List

Sequence	* Type	* Code	Name	Thumbn...	Display to Customers	Buyable	Size	Color
0.0		Dress shirt_SKU_1	Dress shirt		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Large	Blue
0.0		Dress shirt_SKU_2	Dress shirt		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Medium	Blue
0.0		Dress shirt_SKU_3	Dress shirt		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Small	Blue
0.0		Dress shirt_SKU_4	Dress shirt		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Large	Green
0.0		Dress shirt_SKU_5	Dress shirt		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Medium	Green
0.0		Dress shirt_SKU_6	Dress shirt		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Small	Green
0.0		Dress shirt_SKU_7	Dress shirt		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Large	Red
0.0		Dress shirt_SKU_8	Dress shirt		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Medium	Red
0.0		Dress shirt_SKU_9	Dress shirt		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Small	Red

0 of 9 selected

\_\_\_ 4. Select **Save All** from the **File** menu to save the SKUs.

## Part 9: Test generated SKUs

In this part of the lab, you will verify the new product you created displays in the Madisons store.

1. Launch the **Madisons** store from the hintsandtips.html.
2. Navigate to **Mens Fashions > Shirts** category page.

The screenshot shows the Madisons e-commerce website. The header features the Madisons logo, a search bar, and navigation links: Home, Shopping Cart, Advanced Search, Store Locator, and Sign In. Below the header is a secondary navigation bar with categories: Men's Fashions, Furniture, Women's Fashions, Tableware, and See All. A shopping cart icon indicates 0 items with a subtotal of \$0.00. The main content area is titled 'Shirts' and displays a list of products. The first product is a 'Dress shirt' with a price of \$29.99 (original price \$33.00) and an 'Add to Cart' button. The second product is a 'Casual shirt' with 'No price available' and an 'Add to Cart' button. The page also includes a 'Compare' section with a 'Clear' button and an 'E-mail Newsletter' subscription box. The footer contains 'Customer Service' links (Order Status, Wish List, My Account) and 'Customer Support' links (Privacy Policy, Help/Contact Us, Site Map).

\_\_\_ 3. Verify that the Dress shirt displays and that you can add a specific item to your shopping cart.

close X  


### Dress shirt

Dress shirt

**\$29.99**

Quantity:

[Add to Cart](#)



[Add to Wish List](#)

[Add to Compare](#)

\* Size :

\* Color :

Stay cool and stylish with this breathable cotton dress shirt.

[more info](#)

2010 June, 17

WebSphere Commerce 7 Feature Pack 1 – Lab exercise

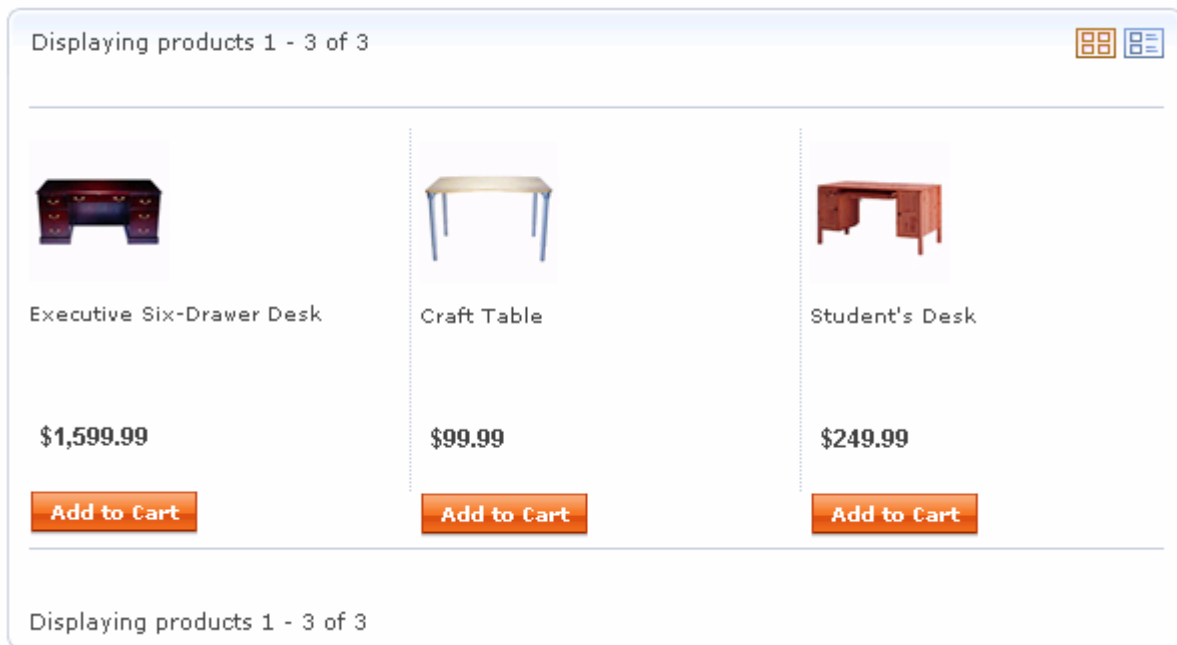
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Catalog enhancements

## Part 10: Creating Many-to-Many Merchandising Associations

In this part of the lab, you will associate all lamps to the desks in the Madisons store.

- \_\_\_ 1. Launch the Madisons store using the hintsandtips.html page at `<WCDE_INSTALL_DIR>\hintsandtips.html`.
  - \_\_\_ a. Navigate to the **Furniture > Desks** product page. You should see 3 desks.



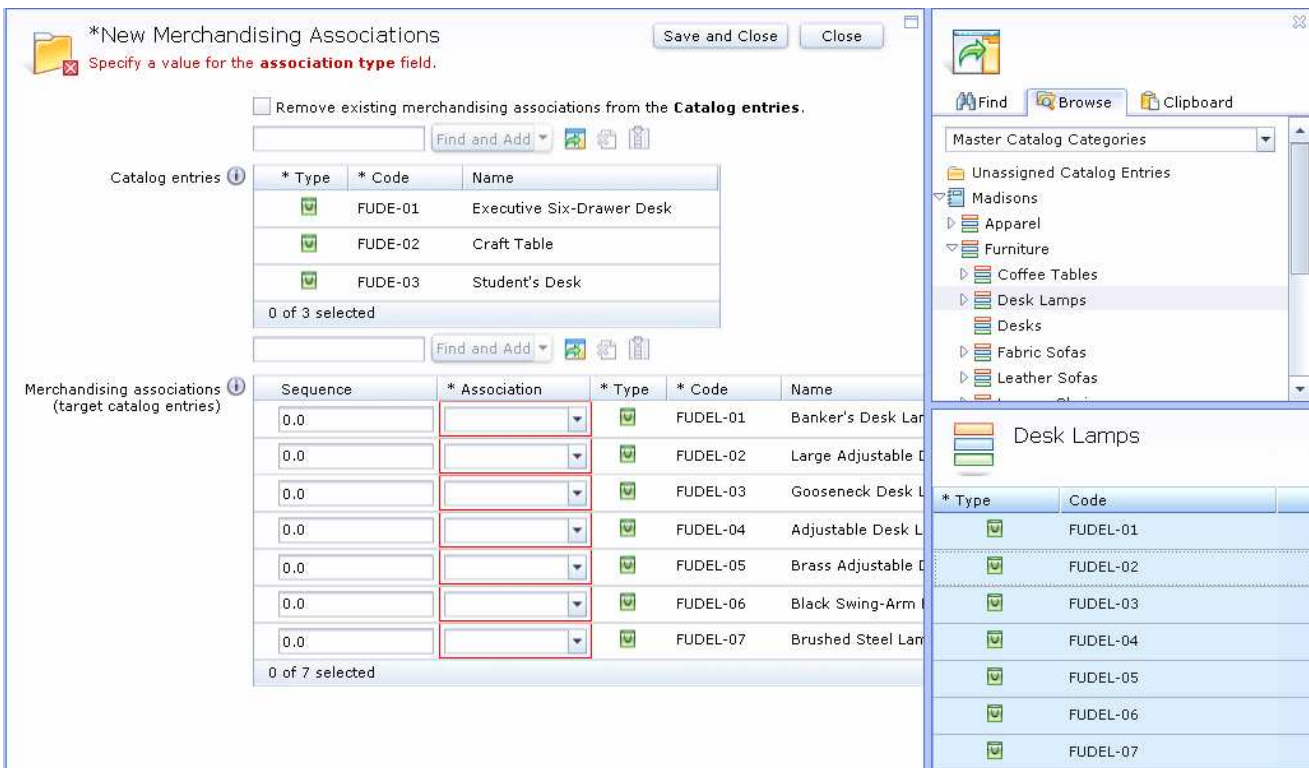
- \_\_\_ b. Click any of these desks to see the current merchandising associations defined.
- \_\_\_ 2. Launch **Management Center** and open **Catalog** tools.
- \_\_\_ 3. Click **New > Merchandising Associations**



4. Create many-to-many merchandising associations for all the desks. In the properties view, you see two tables to specify the catalog entries and target catalog entries.
- a. Open the **Utilities View > Browse** tab to navigate to the desks category.
  - b. Drag and drop the **3 desks** to the Catalog entries table



- c. Navigate to the **Desk Lamps** category. Drag and drop all **7 Desk Lamps** to the **Merchandising associations (target catalog entries)** table.



\_\_\_ d. Select all 7 Desk Lamps and click the **Edit Column** icon next to the Delete icon.

Sequence	* Association	* Ty	Name	Quantity
0.0			Banker's Desk Lamp	1
0.0			Large Adjustable Desk Lamp	1
0.0			Gooseneck Desk Lamp	1
0.0			Adjustable Desk Lamp	1
0.0			Brass Adjustable Desk Lamp	1
0.0			Black Swing-Arm Lamp	1
0.0			Brushed Steel Lamp	1

7 of 7 selected

\_\_\_ e. Select the **Association** column to update, and set the association to **Cross-sell**. Click **Apply** then **OK**.

Edit Column: value for the association type field.

Select column to update

Association

Set column to:

Association Cross-sell

OK Apply Cancel

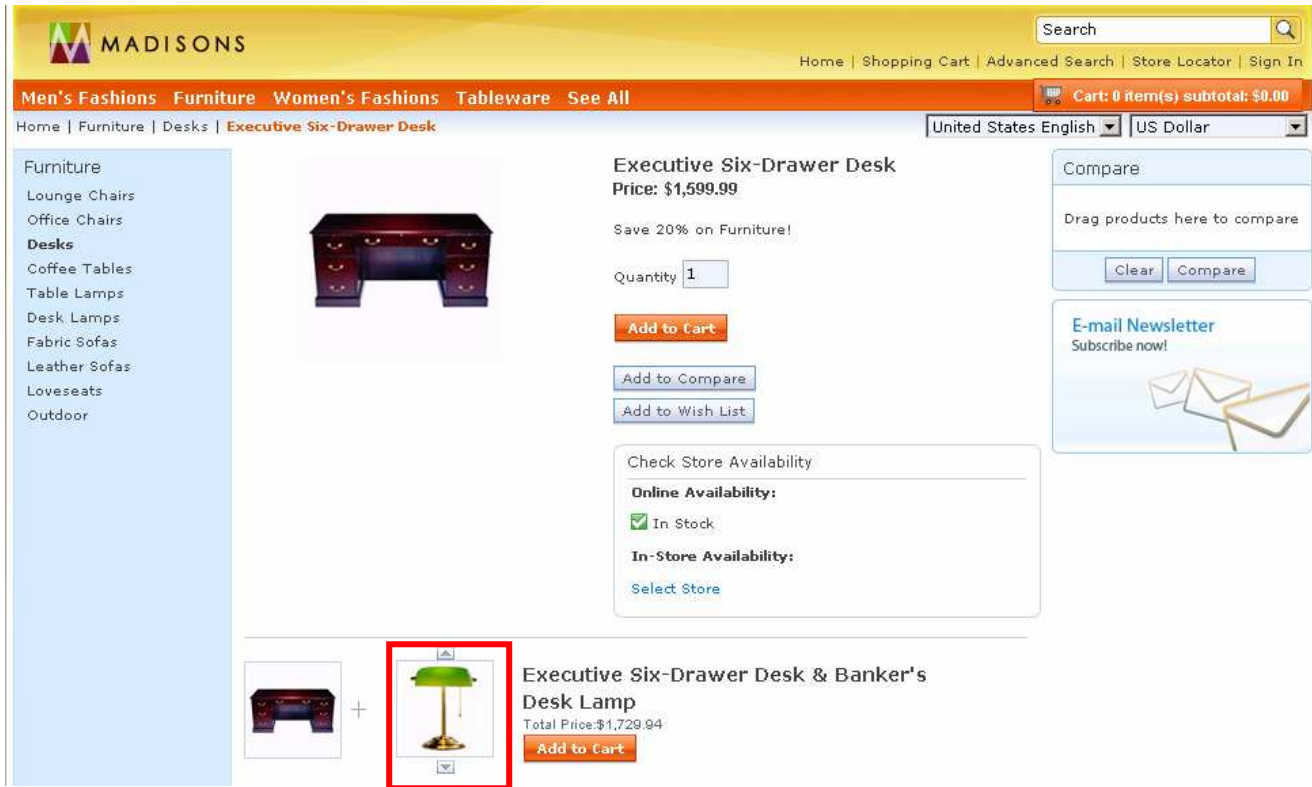
\_\_\_ f. Select the **Association** column to update, and set the association to **Cross-sell**. Click **Apply** then **OK**.

\_\_\_ g. Check the **Remove existing merchandising associations from the Catalog entries** box then click **Save and Close**.

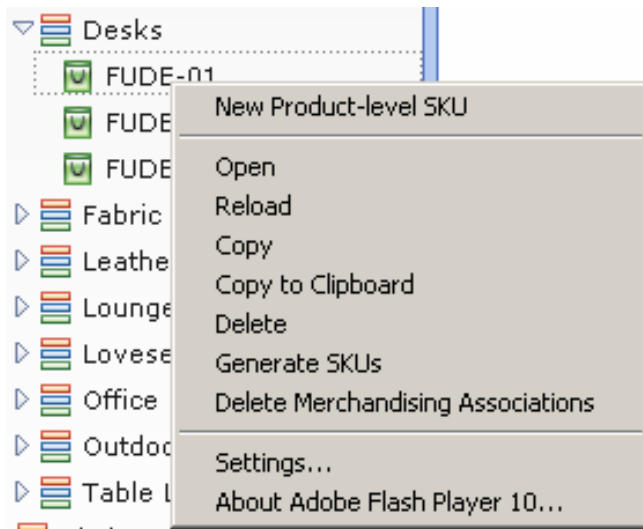
\_\_\_ 5. Verify the associations you made in the explorer view.

\_\_\_ a. Navigate to the **Madisons > Furniture > Desks**, and verify that each of the 3 desks have cross-sell merchandising associations with the 7 Desk Lamps.

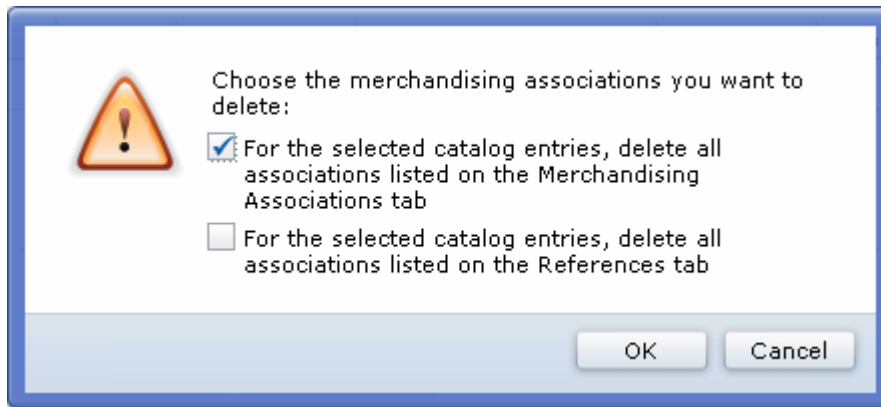
- \_\_\_ 6. Verify the associations on the store front.
  - \_\_\_ a. Open the **Madisons** store URL again and navigate to the 3 desks.
  - \_\_\_ b. Click the **desks** to see the merchandising associations. Click the **up and down** arrows to see all the 7 desk lamps associated with the desks.



- \_\_\_ 7. You can also delete merchandising associations
  - \_\_\_ a. Right click a Desk and select **Delete Merchandising Associations**.



- \_\_\_ b. On the dialog box, select the **For the selected catalog entries, delete all associations**. This removes all the desk lamps that the Desks reference.



- \_\_\_ c. Click **Refresh** on the catalog entry to see your changes.

- \_\_\_ 8. Test your changes on the Madisons store front.



## Part 11: Move sales categories

In this section, you will move child categories from one parent sales category to another to try out the new features in this driver. In this driver, you can now move any child category to a parent category as long as they both belong to the same Catalog. Moving child categories from one catalog to another will require the use of the Link feature (not covered in this lab).

Note: All steps in this part are done in the **Sales Catalog Categories**, so make sure you are in this view before proceeding.

\_\_\_ 1. Open the **Madisons** store. Since you are making changes to the Madisons Sales Catalog, you need to find the Sales Catalog ID in order to view the changes.

\_\_\_ 2. Find the CATALOG\_ID of the 'Madisons Sales Catalog'

\_\_\_ a. Open the database query page: <https://localhost/webapp/wcs/admin/servlet/db.jsp>

```
select * from CATALOG;
```

\_\_\_ b. Modify the Madisons store URL to point to your sales catalog. You can see the Information Center article to construct the URL:

<http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/index.jsp?topic=/com.ibm.commerce.dev/eloper.doc/refs/rcatopcat.htm>

### Query: select \* from CATALOG

CATALOG_ID	MEMBER_ID	IDENTIFIER
10001	70000000000000000002	'AdvancedB2BDirect'
10051	700000000000000000101	'Madisons'
10101	700000000000000000101	'Madisons Sales Catalog'
10151	700000000000000000153	'Commerce Plaza Catalog'
10201	700000000000000000703	'Extended Sites Catalog Asset Store'
10251	700000000000000000753	'SupplierMarketplaceCatalog'
10301	700000000000000000801	'Elite'
10351	700000000000000000703	'CAS Inventory'
10901	700000000000000000101	'Spring Fashions'

\_\_\_ 3. Verify changes on the store front


\_\_\_ a. After you find the Catalog ID of the Madisons Sales Catalog, go to the store front. (EX: [http://localhost/webapp/wcs/stores/servlet/TopCategories\\_10051\\_10101](http://localhost/webapp/wcs/stores/servlet/TopCategories_10051_10101) )

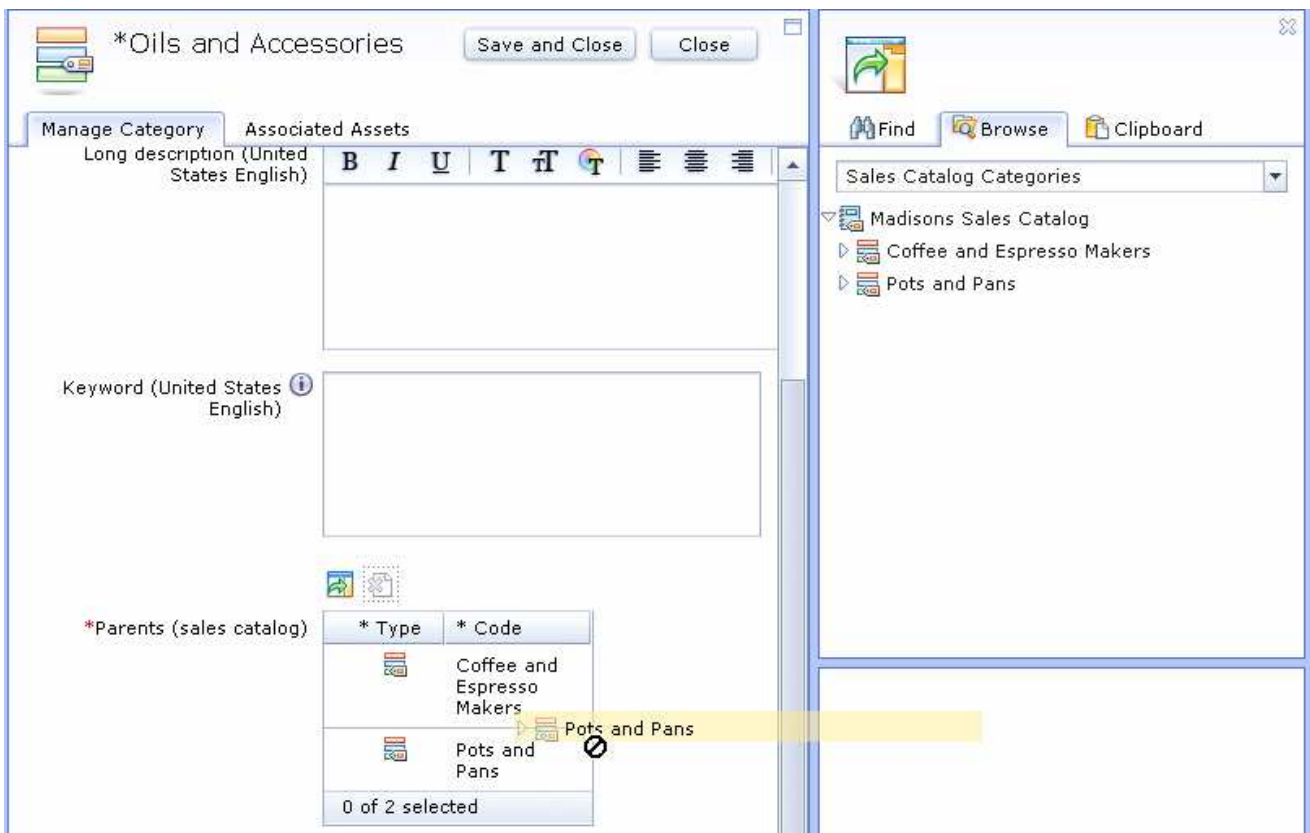
\_\_\_ 4. Open the Madisons Sales Catalog store.

\_\_\_ a. Keep the URL open throughout this section to see your changes on the storefront.

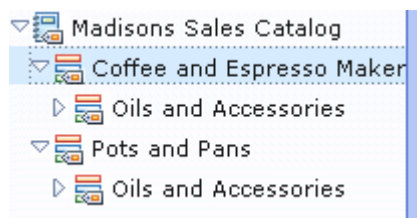
\_\_\_ b. Navigate to the **Oils and Accessories** category.

\_\_\_ c. You will move this category in the next steps, so leave this open for comparison.

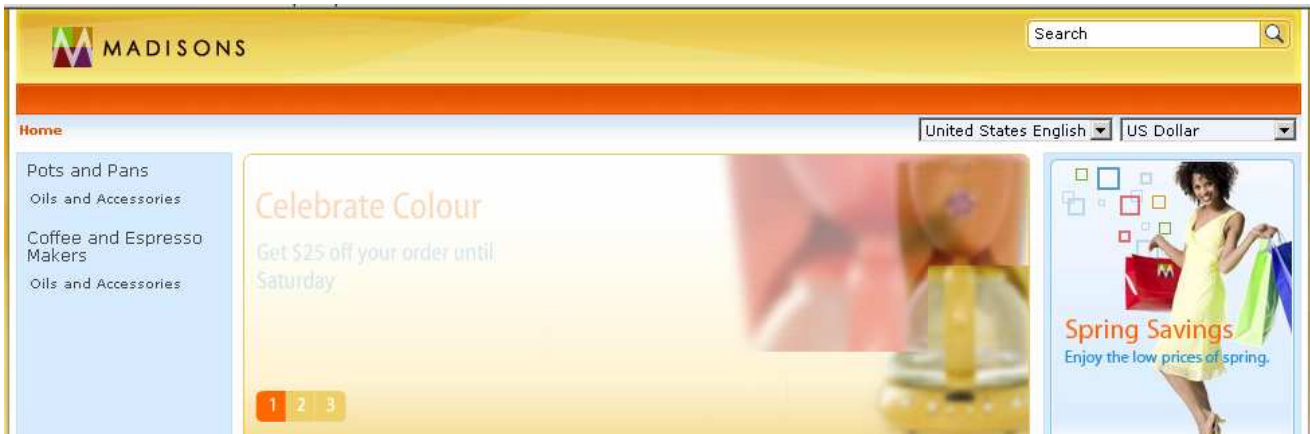
- \_\_\_ 5. Launch the **Management Center** and open **Catalogs** tool.
- \_\_\_ 6. Open the Madisons store and view the **Sales Catalog Categories**.
- \_\_\_ 7. Open the **Oils and Accessories** category.
  - \_\_\_ a. Scroll down to the **Parents (sales catalog)** section of the Manage Category tab.
  - \_\_\_ b. Using the Utility Pane, add the **Coffee and Espresso Maker** and **Pots and Pans** categories as the Parents. You can add by dragging the categories from the Utility Pane Browse tab to the Parents table.
  - \_\_\_ c. **Delete** the Madisons Sales Catalog as a parent by clicking on the icon .
  - \_\_\_ d. Save the Oils and Accessories category changes by clicking on **Save and Close**.



- \_\_\_ e. You should see the **Oils and Accessories** category appear under both **Coffee and Espresso Maker** and the **Pots and Pans** categories.

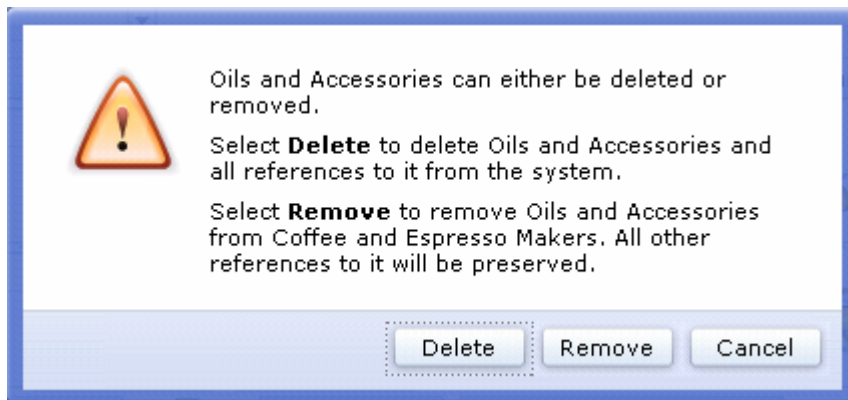


\_\_\_ f. Refresh the Madisons store to view the changes.

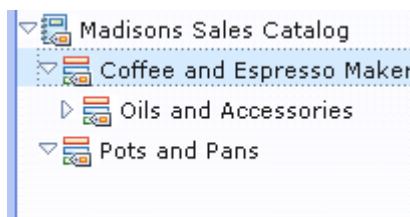


\_\_\_ g. Now you will remove the **Oils and Accessories** category from the **Pots and Pans**.

- 1) Right click the **Oils and Accessories** category from the **Pots and Pans** parent category, and select **Delete**.
- 2) You will see the options to Delete, Remove or Cancel. Select **Remove**.

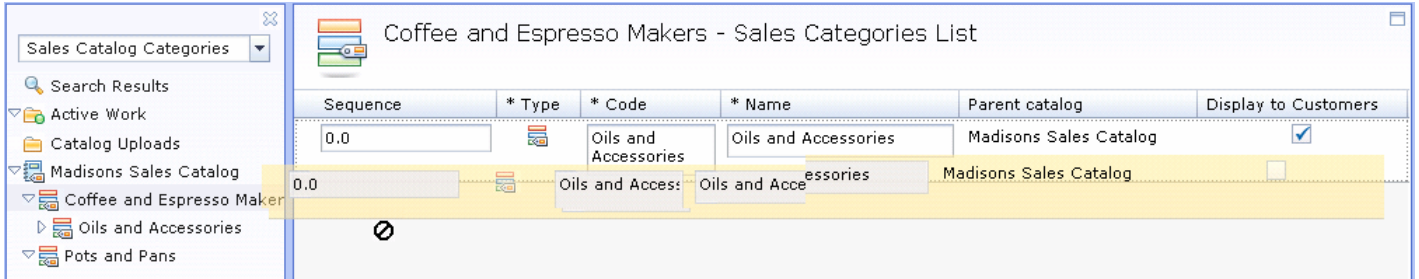


\_\_\_ h. View your changes.

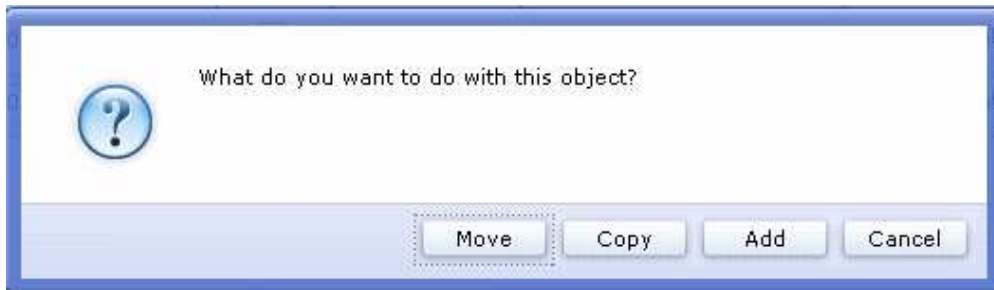


\_\_\_ i. Next you are going to move the **Oils and Accessories** category from the **Coffee and Espresso Maker** parent category to the **Pots and Pans** category.

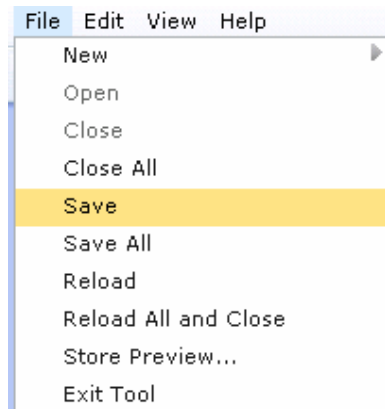
1) Select the **Oils and Accessories** category from the properties view. Drag and drop it into the **Mens Fashions** category.



2) Select **Move** when prompted.



3) Click **Save** from the File menu.



\_\_\_ j. **Refresh** the Madisons store to see the move changes.



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## Part 12: What you did in this exercise

In this tutorial you learned how to use the new enhancements to the Catalogs tool in Management Center.

You should now understand how to complete these tasks:

- Upload catalog data using the Catalogs tool in Management Center
- Import images from a compressed file
- Automatically generated SKUs for a product
- Create and delete many-to-many merchandising associations
- Move and delete child categories within the same sales catalog