

Commerce Cloud

Using Custom Product Attributes Pushing Product Sets Down

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Custom Product Attributes

From time to time there may arise a need to create a new product attribute that can be used for site search, search refinements or sorting rules. A few examples of this would include:

- The ability to group all of your 'new products' together in your sorting rule
 - The ability to group all of your product sets together and move them up or down in the sort order
 - The ability to group all of your sale products together in your sorting rule to possibly push them down in search results
 - Adding a search refinement that would allow selection of Sale or New products
- In order to accomplish this follow the steps below. For this example we will create a custom product attribute to group all product sets together and move them down in the sort order.

Creating a Custom Product Attribute

1. Navigate to: Administration > Site Development > System Object Definitions
2. Click on Product in the list

ID	Description	Groups	Attributes
 Basket	Object type representing baskets.	1	7
 BonusDiscountLineItem	Object type representing bonus discount line items.	0	3
 Campaign	Object type representing campaigns.	0	7
 Catalog	Object type representing catalogs.	0	6
 Category	Object type representing catalog categories.	5	30
 CategoryAssignment	Object type representing category assignments.	0	8
 Content	Object type representing content assets.	5	19
 Coupon	Object type representing coupons.	0	11
 PaymentTransaction	Object type representing payment transactions.	1	6
 PriceAdjustment	Object type representing price adjustments.	0	3
 PriceBook	Object type representing price books.	0	8
 Product	Object type representing products.	29	91

3. Click on the Attribute Definitions tab and select new

System Object Types > Product - Attribute Definitions

General **Attribute Definitions** Attribute Grouping

Object Type: Product

This page lists the attribute definitions of your object type. Use the search to find a attribute definition. Click **New** to create new attribute definitions. Click **Delete** to delete existing attribute definitions.

Search Attribute Definitions

ID or Name: Find

Select All	ID	Name	Type	Attribute Settings	Values
<input type="checkbox"/>	EAN	EAN	String		0 Edit
<input type="checkbox"/>	ID	ID	String	#	0 Edit
<input type="checkbox"/>	UPC	UPC	String		0 Edit
<input type="checkbox"/>	UUID	UUID	String	#	0 Edit
<input type="checkbox"/>	available	In Stock (Deprecated)	Boolean		0 Edit
<input type="checkbox"/>	availableForInStorePickup	availableForInStorePickup	Boolean		0 Edit
<input type="checkbox"/>	batteryLife	Battery Life	String	Ⓢ	0 Edit
<input type="checkbox"/>	batteryType	Battery Type	String	Ⓢ	0 Edit
<input type="checkbox"/>	bootType	Boot Type	Enum of String		Z Edit
<input type="checkbox"/>	bottomType	Bottom Type	Enum of String		0 Edit

4. Create your attribute

- a. In this example we are going to create a new attribute to indicate if this product is a product set. This attribute will then be used in a sorting rule to push all product sets to the bottom of search results. To do this we will use a Boolean value (yes or no), other common values are string and enum of string (dropdown list).
 - i. Read more about value types in our documentation
- b. The Visible checkbox will make this attribute visible within the product record in Business Manager.

System Object Types > Product - Attribute Definitions > Attribute Definition Details

Object Type 'Product' - Attribute Definition Details

On this page you can manage details of your attribute definition. Different options are available depending on the value type. Click **Apply** to create a new attribute definition or save changes to existing attributes. Some value types support the definition of value lists. In this case you can provide an attribute value list.

Select language: Default

ID:

Display Name:

Help Text:

Value Type: Boolean

Localizable/Site Specific: No

Mandatory:

Visible:

Order Required:

Externally Managed:

5. Add your attribute to an attribute grouping by clicking on the Attribute Grouping tab and then Edit the appropriate group.
 - a. This will determine which section within a product record you will see this new attribute.

System Object Types > Product - Attribute Groups

General Attribute Definitions **Attribute Grouping**

Object Type 'Product'

On this page you can manage the attribute groups of your object type. Provide an id and name for and click **Add** to add a new group. Click **Apply** to save changes to existing groups. Click **Reset** to rollback changes.

New Attribute Group

ID: Name:

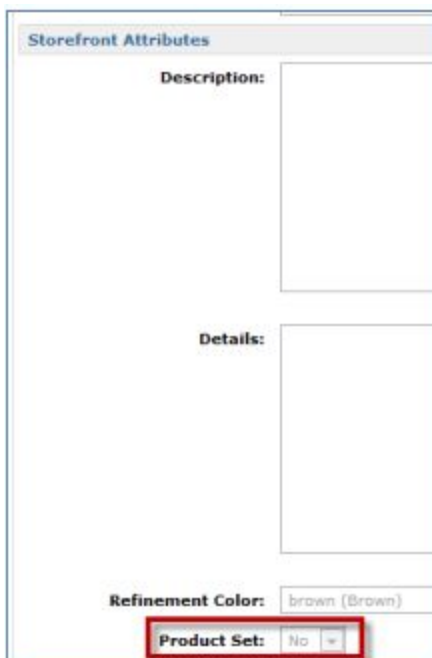
Select language: Default

Select All	ID	Name	Description	Attributes	Sorting
<input type="checkbox"/>	<input type="text" value="ExternalSearch"/>	<input type="text" value="Search Engine Optimization Support"/>	<input type="text"/>	<input type="text" value="4"/> <input type="button" value="Edit"/>	
<input type="checkbox"/>	<input type="text" value="SiteMap"/>	<input type="text" value="Sitemap Attributes"/>	<input type="text"/>	<input type="text" value="3"/> <input type="button" value="Edit"/>	
<input type="checkbox"/>	<input type="text" value="Presentation"/>	<input type="text" value="Presentation Attributes"/>	<input type="text"/>	<input type="text" value="4"/> <input type="button" value="Edit"/>	
<input type="checkbox"/>	<input type="text" value="SearchRanking"/>	<input type="text" value="Search Ranking"/>	<input type="text"/>	<input type="text" value="2"/> <input type="button" value="Edit"/>	<input type="button" value="↑"/>
<input type="checkbox"/>	<input type="text" value="Order"/>	<input type="text" value="Order Attributes"/>	<input type="text"/>	<input type="text" value="6"/> <input type="button" value="Edit"/>	<input type="button" value="↓"/>
<input type="checkbox"/>	<input type="text" value="storefrontAttributes"/>	<input type="text" value="Storefront Attributes"/>	<input type="text"/>	<input type="text" value="3"/> <input type="button" value="Edit"/>	
<input type="checkbox"/>	<input type="text" value="searchRefinements"/>	<input type="text" value="Search Refinements"/>	<input type="text"/>	<input type="text" value="4"/> <input type="button" value="Edit"/>	
<input type="checkbox"/>	<input type="text" value="inStorePickup"/>	<input type="text" value="In Store Pickup"/>	<input type="text"/>	<input type="text" value="1"/> <input type="button" value="Edit"/>	

- Click on the ellipsis and a list of all product attributes will display. Use the search box to search for product set. Check the check box and then click select.



- Now, navigate to a product in your catalog. You should now see your new custom attribute.
 - The attribute will display within the grouping that you added it to.



- In this example, notice that Product Set has been populated as No which is the default for a Boolean attribute. However, when adding other types of product attributes such as string, date or numeric, this default will not be populated.
- After creating a new attribute you must populate this attribute for all products in the catalog through your product feed or through a bulk edit. These options are described below.

Custom Attribute Considerations

You may want to consider adding this new attribute to your system of record so that it can be included in your regular product feed into Commerce Cloud.

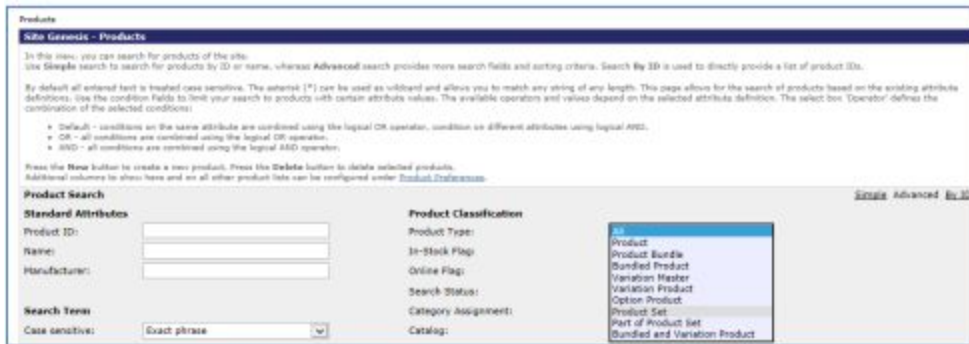
Attribute values can be controlled within Business Manager through bulk edits (see below) however this does require manual intervention by the merchandiser to first set the flag and then

to remove it if necessary (example, for sale and new arrivals at some point the products that were once on sale or new arrivals will need to have their flags set back to no).

Bulk Editing Products

Now we will need to set the value of this new attribute on all of our product sets. In order to do this we will use the bulk edit feature.

1. Navigate to Products and Catalogs > Products
2. Search for your products either by ID or an advanced find to search to find all product sets



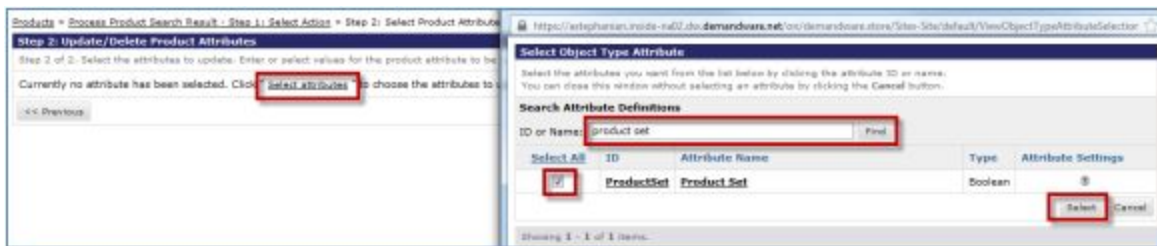
3. Select all of the products that are returned by the search
 - a. Click Select All. You should see check boxes appear in all of the boxes
 - b. Click Edit Selected.

Select All	ID	Name	Catalog	Color	Refinement Color	Type	Status	View
<input type="checkbox"/>	PS_mensWinter	Mens Winter Outfit	Apparel Master Catalog			Product Set		
<input type="checkbox"/>	PS_womensSummer	Women's Summer Fun Outfit	Apparel Master Catalog			Product Set		
<input type="checkbox"/>	PS_mensEssential	Men's Essential Outdoor Outfit	Apparel Master Catalog			Product Set		
<input type="checkbox"/>	PS_womensOuterwear	Womens Outdoor Outfit	Apparel Master Catalog			Product Set		
<input type="checkbox"/>	SpringLooks	Spring Look	Apparel Master Catalog			Product Set		
<input type="checkbox"/>	fall-look	Fall Look	Apparel Master Catalog			Product Set		
<input type="checkbox"/>	Spring-look-2	Spring Has Sprung	Apparel Master Catalog			Product Set		
<input type="checkbox"/>	spring-look	Spring Look	Apparel Master Catalog			Product Set		
<input type="checkbox"/>	winter-look	Winter Look	Apparel Master Catalog			Product Set		

4. Select Update/Delete Product Attributes and click Next.



5. Click on **Select Attributes** and then use the search box to find the product set.
 - a. Click the checkbox and then **Select**.



6. Set the **Product Set** attribute to **Yes**. Click **Finish**.
 - a. 'Finish: Return to Products' will run the process and return you to the products screen.
 - b. 'Finish: Go to Batch Process' will run the process and take you to a screen which will list out all the batch processes running and will indicate once the process has finished.

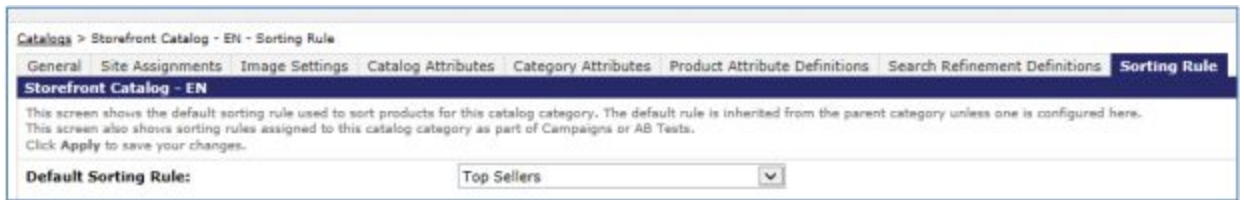


Add the New Attribute to Your Default Sorting Rule

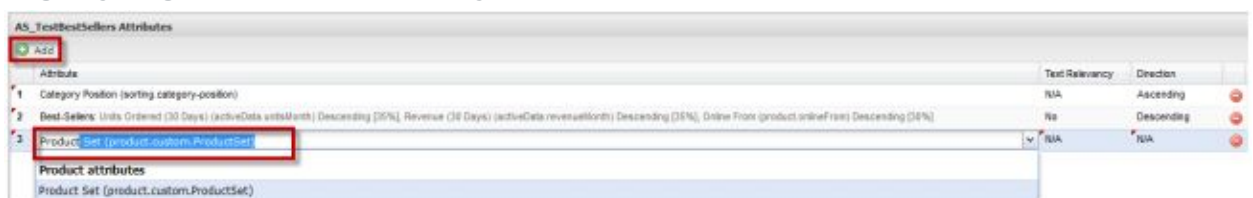
Now that you have created a new product attribute and set that attribute to yes for all of your product sets you can now modify your sorting rule to move those product sets down in the sort order.

1. Select a sorting rule that is currently being used in your storefront. If the goal is to push product sets down in search results, then you must modify your default sorting rule. The default sorting rule is the one attached to your catalog.
 - a. To find this rule, navigate to **Products and Catalogs > Catalogs** and then select your storefront catalog.

- b. Click on Edit
- c. Click on the Sorting Rule Tab and you will see the name of the default sorting rule.



2. Next navigate to Search > Sorting Rules and select the default sorting rule.
3. Within that rule select Add.
4. Begin typing the product set until you see the attribute show in the drop down list.



5. Drag and drop the new attribute so that it comes at the top (underneath category positioning).
 - a. This will ensure that all product sets are grouped first and then moved down before any other sorting actions are taken.
6. Set the direction to Ascending (No down to Yes) so that the Yes values come last.