

# Bigfish eCommerce

BF Admin Module Manage SOLR Config.doc

Last Updated: 20-Jun-2013

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## 1 Modification History

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Date	Who	Comments
22-Aug-12	Solveda	Split from "BF Admin Module Admin" document
19-Sep-12	Solveda	Ability to add a new "Facet Value", comments about adding a new "Facet Group"
26-Oct-12	Solveda	Ability to add new facet Groups and Values
8-Jan-13	Solveda	Added Group ID to list screen, additional validation
20-Jun-13	Solveda	Added "tooltip" attribute for Facet Groups

## 2 Manage SOLR Configuration

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### 2.1 Technical Note

- Multi-Store Consideration:
  - For “Multi Store” implementations, the SOLR configuration functions need to consider the “active store”

### 2.2 List Screen

## manage SOLR configuration

Manage SOLR Configuration	
Function	Description
<a href="#">Manage SOLR Facet Groups</a>	The Facet GROUP are, for example, COLOR, MATERIAL etc. Facet GROUPS are managed for each level of the Product Category structure. The function provides the ability to hide or show specific facet GROUPS and sequence the GROUPS within the faceted navigation panel.
<a href="#">Manage SOLR Facet Values</a>	The Facet VALUES are the values within a group, for example, VALUES of Red, Green, Blue within the GROUP Color. This function provides the ability to manage the sequencing of the Facet VALUES on a global basis by broadcasting to every Product. For specific Product level sequencing of Facet VALUES, use the Catalog / Product / Facet Sequencing function.

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### 3 Manage SOLR Facet Groups

#### 3.1 Technical Note

- OFBiz Entity = PRODUCT\_FEATURE\_CAT\_GRP\_APPL
- Multi-Store Consideration:
  - For "Multi Store" implementations, the maintenance of the SOLR Facet Groups needs to consider the "active store"

#### 3.2 Overview

- See spec "[\*BF Faceted Navigation.doc\*](#)" for additional information and background
- Facet GROUPS are defined at a Product Category level
  - In most cases this will be defined at the "sub-category" level
  - In some cases a category will ONLY have a "top-category" level
    - See below, example is "Sample Sale"
- Additional feature to manage the "See More" / "See Less" – the

#### 3.3 Product Catalog List Screen

## manage SOLR facet groups

Product Catalog (Facet GROUPS)						
Seq#	Top Nav	Seq#	Sub Item	Active From	Active To	Facets
1000	<a href="#">Women's Apparel</a>	1010	<a href="#">Tops</a>	6/21/11		<a href="#">Edit</a>
		1020	<a href="#">Dresses</a>	6/21/11		<a href="#">Edit</a>
		1030	<a href="#">Pants</a>	6/21/11		<a href="#">Edit</a>
2000	<a href="#">Handbags</a>	2010	<a href="#">Handbags</a>	6/21/11	7/23/11	<a href="#">Edit</a>
		2020	<a href="#">Wallets</a>	6/21/11		<a href="#">Edit</a>
3000	<a href="#">Shoes</a>	3010	<a href="#">Sneakers</a>	6/21/11	8/24/11	<a href="#">Edit</a>
		3020	<a href="#">Heels</a>	6/21/11		<a href="#">Edit</a>
		3030	<a href="#">Sandals</a>	6/21/11		<a href="#">Edit</a>
		3040	<a href="#">Slippers</a>	6/21/11		<a href="#">Edit</a>
		3050	<a href="#">Wedges</a>	6/21/11		<a href="#">Edit</a>
4000	<a href="#">Sample Sale</a>			6/21/11		<a href="#">Edit</a>
5000	<a href="#">Top Trends</a>	4010	<a href="#">Leather</a>	6/21/11		<a href="#">Edit</a>
		4020	<a href="#">Fur</a>	6/21/11		<a href="#">Edit</a>
		4030	<a href="#">Capes and Ponchos</a>	6/21/11		<a href="#">Edit</a>
		4040	<a href="#">Lady Like</a>	6/21/11		<a href="#">Edit</a>

6000	<u>What's New</u>			6/21/11	9/1/11	
		5010	<u>Designers</u>	6/21/11		<u>Edit</u>
		5020	<u>Apparel</u>	6/21/11		<u>Edit</u>
		5030	<u>Shoes</u>	6/21/11		<u>Edit</u>
		5040	<u>Jewelry</u>	6/21/11		<u>Edit</u>



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- **TODO 15-Jan-2013: this needs to be expanded to show the category -> facet-group "association". We also need the ability to add a new "association" to an EXISTING facet-group (otherwise users will create a new group rather than re-using).**

- This display should only retrieve "active" categories

### 3.4 Detail Screen


## manage SOLR facet groups

Facet GROUPS: Handbags					
Facet Group ID	Facet Description	Hide / Show	Seq#	Min Display	Max Display
FACET_GROUP_CATEGORY	<input type="text" value="Shop By Category"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="10"/>	<input type="text"/>	<input type="text"/>
FACET_GROUP_PRICE	<input type="text" value="Price"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="20"/>	<input type="text"/>	<input type="text"/>
FACET_GROUP_RATINGS	<input type="text" value="Customer Rating"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="30"/>	<input type="text"/>	<input type="text"/>
<u>COLOR</u>	<input type="text" value="Color"/> 	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="40"/>	<input type="text" value="5"/>	<input type="text" value="15"/>
<u>MATERIAL</u>	<input type="text" value="Material"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="50"/>	<input type="text" value="5"/>	<input type="text" value="15"/>
<u>SIZE</u>	<input type="text" value="Size"/> 	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="60"/>	<input type="text" value="5"/>	<input type="text" value="15"/>
<u>STYLE</u>	<input type="text" value="Style"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="70"/>	<input type="text" value="5"/>	<input type="text" value="15"/>
<u>ETC</u>	<input type="text" value="ETC"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="80"/>	<input type="text" value="5"/>	<input type="text" value="15"/>

- The "standard" BigFish Facet Groups should be included on this display for ALL product categories. This includes:
  - FACET\_GROUP\_CATEGORY
  - FACET\_GROUP\_PRICE
  - FACET\_GROUP\_RATINGS
- Hide / Show should be controlled by manipulating the "thru" date
  - Hide: thru-date = [system-date less one day]
  - Show: thru-date = null

- *TECH NOTE: it is not necessary to create additional active rows when a Group is modified from Hide to Show – simple set the thru-date of an existing row to "null"*

## ■ Actions

- Facet Group ID Link
  - Redirect to the Facet Group Detail page in "edit" mode
- The  icon will display the tooltip text
  - Only display the icon if text available  
Tooltip: "[tooltip text]"
- "Save"
  - Perform validations
  - Sequence number should be "re-sequenced" in multiples of 10
  - Message. "Your Facet GROUP has been saved (changes may not take affect until SOLR is re-indexed)"
- "Back", return to the List screen
- "Create Facet Group", redirect to the "Create SOLR Facet Group" page

## ■ Validation:

Facet Desc	Must have an entry, no special characters allowed Error: "Facet Description cannot be blank and cannot contain special characters"
Seq#	Sequence # must be numeric and between 1 and 1000 Error: "The Sequence# must be numeric and between 1 and 1000"
Min Display	Min Display must be numeric and between 0 and 99 Error: "The Min Display must be numeric and between 0 and 99"
Max Display	Max Display must be numeric and between 1 and 99 Error: "The Max Display must be numeric and between 1 and 99" Max Display must be greater than Min Display Error: "The Max Display must be greater than the Min Display"
Min/Max	Both can be blank (then system defaults are used). However, if one is non-blank then both should be supplied. Error: "Leave both entries blank to use the System Defaults. Otherwise both values are required"

## ■ Helper Text

Min / Max	This defines a specific MIN / MAX value for display that will override the system parameters FACET_VALUE_MIN and FACET_VALUE_MAX for this Group within the Category.
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Leave blank if you want to use the system defaults.

Set the MIN value to 0 (zero) if you want to initially show the Group in "collapsed" mode.

■ OFBiz Mapping

Facet Tooltip	PRODUCT_FEATURE_CAT_GRP_APPL.FACET_TOOLTIP
Min Display	PRODUCT_FEATURE_CAT_GRP_APPL.FACET_MIN
Max Display	PRODUCT_FEATURE_CAT_GRP_APPL.FACET_MAX

### 3.5 Create SOLR Facet Group

## create SOLR facet group

**Create Facet Group: Handbags**

Facet Group ID:

Facet Description:

Facet Tooltip:

Hide / Show:

☐ Hide ☒ Show

Seq#:

Min Display:

Max Display:

Back

"Action Button"

■ Edit Mode:

- Facet Group ID is a read-only field
- Action Button will display "Save"

■ Add Mode

- All attributes are available for editing
- Action Button will display "Continue"
- When adding a new Facet GROUP it is important that all subsequent relationships are known and resolved before completing the task
- For this reason, this function will:
  - initially prompt for new Facet Group information, as shown above
  - then prompt for a list of VALUES to be entered
  - and finally, if there are existing products, prompt for Product level VALUE association

■ Save (Edit Mode)

- Validate data, save to the database, return to List screen with standard "Success message"

■ Continue (Add Mode)



- Validation should be performed
- If valid:
  - Set all the attributes read-only
  - Disable the Back and Continue buttons
  - Display the VALUES component

■ Validation











Facet Group ID      Must be unique and pass the standard ID rules, see spec "[\*BF Admin Module General.doc\*](#)"



Seq#, Min  
Display and Max  
Display              Same as "Manage SOLR Facet Groups"

■ Helper Text

Min / Max              Same as "Manage SOLR Facet Groups"

### 3.6 Prompt for Facet VALUES for newly identified GROUP

Facet VALUES for Group Lining					
Facet Value ID	Facet Value	Hide / Show	Seq#	Actions	
<input type="text" value="GOLD"/>	<input type="text" value="Red"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="1"/>		
<input type="text" value="SILVER"/>	<input type="text" value="Beige Tan"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="2"/>		
<input type="text" value="WHITE"/>	<input type="text" value="White"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="3"/>		
<input type="text" value="BLUE"/>	<input type="text" value="Orange"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="4"/>		
<input type="text" value="BLACK"/>	<input type="text" value="Blue"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="5"/>		

- "Save" button
  - Is renamed to "Continue" if there are Products associated to the Category
  - **DEV: see query below**
- Screen is essentially the same as the "Manage SOLR Facet Values" function
  - "Swatch" image link is not available
  - Should be presented with 5 open rows initially
  - User can create new rows using  and 
- Validation
  - See "Manage SOLR Facet Values"
- Actions:
  - "Back"

- Hide this component and re-enable attributes and buttons on the Create Facet Group component
- "Save"
  - Save both the newly created Facet GROUP and the VALUES
- "Continue"
  - **DEV:**
    - **we could have a Product matrix displayed here ... so that clients could associate the newly create GROUP and the one VALUE to each of PRODUCTS available**
    - **alternatively we could simple "save" and build a "matrix" as part of the Catalog spec**
    - **Need to discuss**

## 4 Manage SOLR Facet Values

### 4.1 Technical Note

- OFBiz Entity = PRODUCT\_FEATURE\_GROUP
- Multi-Store Consideration:
  - For "Multi Store" implementations, the maintenance of the SOLR Facet Values needs to consider the "active store"

### 4.2 Overview

- See spec "*BF Faceted Navigation.doc*" for additional information and background
- Facet VALUES are defined system wide; they essential define all possible values for a particular Facet GROUP and the sequence of display

### 4.3 List Screen

- The List Screen will display all available Facet GROUPS for which VALUES are to be maintained










## manage SOLR facet values

Facet GROUPS		
Facet Group ID	Facet Group Description	Facet Values
COLOR	Color	<a href="#">Edit</a>
MATERIAL	Material	<a href="#">Edit</a>
SIZE	Size	<a href="#">Edit</a>
STYLE	Style	<a href="#">Edit</a>
ETC	Etc	<a href="#">Edit</a>
<a href="#">Back</a>		

### 4.4 Detail Screen

## manage SOLR facet values

Facet VALUES: Handbags					
Facet Value ID	Facet Value	Hide / Show	Seq#	Actions	
COLOR_RED	<input type="text" value="Red"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="10"/>		
COLOR_BEIGE_TAN	<input type="text" value="Beige Tan"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="20"/>		
COLOR_WHITE	<input type="text" value="White"/>	<input type="radio"/> Hide <input checked="" type="radio"/> Show	<input type="text" value="30"/>		

COLOR_ORANGE	Orange	<input type="radio"/> Hide <input checked="" type="radio"/> Show	33	  
COLOR_BLUE	Blue	<input type="radio"/> Hide <input checked="" type="radio"/> Show	40	  
COLOR_GREEN	Green	<input type="radio"/> Hide <input checked="" type="radio"/> Show	50	  

☐ Broadcast changes to ALL Products?

**Back** **Save**



#### ■ Technical Notes

- The OFBiz Entity is PRODUCT\_FEATURE\_GROUP\_APPL
- If the CHECKBOX is "checked" then broadcast the changes to PRODUCT\_FEATURE\_APPL for ALL the Products in the catalog

#### ■ Hide / Show should be controlled by manipulating the "thru" date

- Hide: thru-date = [system-date less one day]
- Show: thru-date = null
- *TECH NOTE: it is not necessary to create additional active rows when a Group is modified from Hide to Show – simple set the thru-date of an existing row to "null"*

#### ■ Actions

- Tooltip "Manage Default Swatch Images"; redirect to Feature Swatch Image
- "Insert Before" 
  - Tool-tip reads "Insert a new Facet Value row BEFORE this row"
  - Insert a row BEFORE to the row clicked with the selected details
- "Insert After" 
  - Tool-tip reads "Insert a new Facet Value row AFTER this row"
  - Insert a row AFTER to the row clicked with the selected details
- "Save"
  - Perform validations
  - Sequence number should be "re-sequenced" in multiples of 10
  - Message: "Your Facet VALUES have been saved (changes may not take affect until SOLR is re-indexed)"
- "Back", return to the List screen

#### ■ Validation:

Facet Group ID	Must be unique and pass the standard ID rules, see spec " <a href="#">BF Admin Module General.doc</a> "
Facet Value	Cannot be blank
	Error: "The Facet Value cannot be blank"

Seq#                      Sequence # must be numeric and between 1 and 1000  
Error: "The Sequence# must be numeric and between 1 and 1000"

■ Helper Text

"Changing the sequence on this screen will modify the sequence shown in the Faceted Navigation. If you have specific Selectable or Descriptive feature sequencing then do NOT broadcast to all Products. If in doubt leave this box unchecked."

■ Warning Text

"You may need to re-index SOLR in Admin/Tools for these changes to take effect"

#### 4.5 Feature Swatch Screen

- Tech Note: PLP Swatch is PRODUCT\_FEATURE\_DATA\_RESOURCE
- Refer to spec "[\*BF Admin Module Product Loader.doc\*](#)" for more information about Image Locations and Preferences
- Refer to spec "[\*BF Admin Module Catalog.doc\*](#)" for specific requirements for "Browse and Upload File" and "URL Reference"

## feature swatch image

### Default Swatch Images: COLOR\_ORANGE


PLP Swatch Image: 

Image Name: orange\_swatch.jpg

Image Path or URL:

Type: ☒ Browse and Upload File ☐ URL Reference

New PLP Swatch Image:

PDP Swatch Image: 

Image Name: blue\_swatch.jpg

Image Path or URL:

Type: ☒ Browse and Upload File ☐ URL Reference

New PDP Swatch Image:

**Back**

**Save**

- Size images as follows (XPROD\_STORE\_PARM):
  - PLP Swatch: IMG\_SIZE\_PLP\_SWATCH\_x
  - PDP Swatch: IMG\_SIZE\_PDP\_SWATCH\_x

(where x = "H" for Height and "W" for Width)