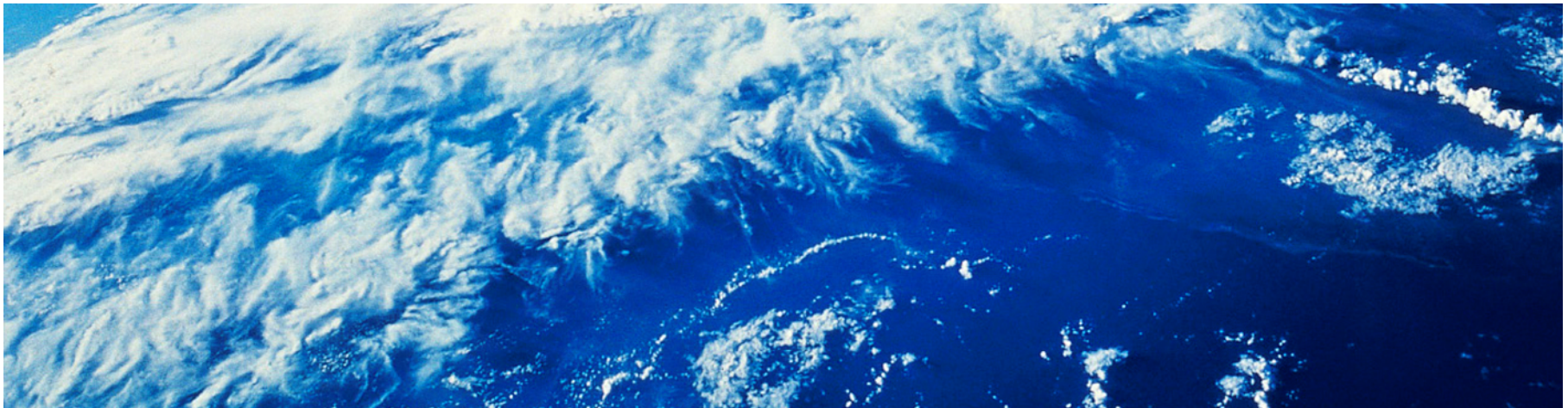


IBM WebSphere Commerce V7 FEP8

Reuse Assigned Attribute Values In Data Load



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Agenda

- Introduction:
 Predefined Attribute Values
 vs
 Assigned Attribute Values
- Dataload Configuration
- CMC Configuration
- Links

Introduction

Predefined Attribute Values are shared across many products.

Advantage: keep data at minimum, changing the attribute value affects all products

Disadvantage: Inflexible. Some attribute may have too many (500+) predefined values

Assigned Attribute Values are used by individual products.

Advantage: Flexible, changing one does not affect the others

Disadvantage: Many duplicate data cause performance issues.

As an example, for 100 shirts, the common attribute may be “Material”, and “100% Cotton” maybe applicable for 99 of them, except the last one is “95% Cotton”.

Reuse of assigned attribute values can achieve this.

Data Load Configuration

In <WCS>\samples\DataLoad\Catalog\AttributeDictionaryAttribute\wc-loader-catalog-entry-AD-attribute-relationship.xml

```
<_config:BusinessObjectMediator  
  className="com.ibm.commerce.catalog.dataload.mediator.CatalogEntryAttributeDictionaryAttributeMediator"  
  componentId="com.ibm.commerce.catalog" >  
  <_config:property name="supportMultipleValuesForADAttributes" value="true" />  
  <_config:property name="attributeValueValidation" value="true" />  
  <_config:property name="shareAssignedAttributeValues" value="true" />  
</_config:BusinessObjectMediator>  
</_config:BusinessObjectBuilder>  
</_config:DataLoader>
```

If **shareAssignedAttributeValues** property is not defined it is default to true

Data Load Configuration

The attribute value will be created as assigned attribute values (ATTR.ATTRUSAGE = 2 or null)

Products with the same attribute assigned attribute values will be shared once created by the first one. For example:

CatalogEntryAttributeDictionaryAttributeRelationship						
PartNumber	AttributeIdentifier	ValueIdentifier	Value	Usage	Sequence	Delete
Product1	AssignedValueAttr	ValueIdentifier1	AssignVal1	Descriptive	1	
Product2	AssignedValueAttr	ValueIdentifier1	AssignVal1	Descriptive	1	

CATENTRY_ID	ATTR_ID	ATTRVAL_ID	USAGE	SEQUENCE
19801	70000000000000000451	700000000000000008301	'2'	1.0
19802	70000000000000000451	700000000000000008301	'2'	1.0

Without any adjustment, updating this assigned attribute value will affect all the catalog entries that reuses it. Note that CMC has no indicator for this change.

CMC Configuration

In `<WCS>\components\foundation\wc.ear\xml\config\com.ibm.commerce.catalog-fep\wc-business-object-mediator.xml`

within the `<_config:mediator>` tag where the `ReadCatalogEntryMediator` and `ChangeCatalogEntryMediator` are defined:

```
<_config:mediator-properties>
    <_config:mediator-property
name="Attributes/SupportMultipleValuesForADAttributes" value="true"/>
    <!-- Changing KeepAssignedAttributeValueLocal to false has some limitations,
search "KeepAssignedAttributeValueLocal" in Info Center for details -->
    <_config:mediator-property
name="Attributes/KeepAssignedAttributeValueLocal" value="true"/>
</_config:mediator-properties>
```

If **Attributes/KeepAssignedAttributeValueLocal** property is not defined it is default to true.

Setting to false is not recommended as changing one will impact other catentries, and CMC will need to be refreshed, also full re-indexing is needed for these changes to show in the store front.

CMC Configuration

If **Attributes/KeepAssignedAttributeValueLocal** is true,

updating the assigned value for a product will only affect that product. That means if the assigned attribute value is shared by many products, Commerce will create a new assigned value for this product, leave the old one untouched and still shared by the other products.

deleting the assigned value for a product will only delete the relationship (CATENTRYATTR) if the attribute value is used by other products.

Note that turning on this flag will not impact existing attribute data.

Troubleshooting

Trace

Same as always, update the dataload logging.properties,

- Dcom.ibm.commerce.foundation.level=ALL

- Dcom.ibm.commerce.catalog.level=ALL

Links

Reuse attribute assigned values with the Data Load utility

Thank You!

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