# Category and Production Attribute value mapping relationship

Be noticed that Product attributes are created by magento admin while categories attributes are created by script. So for the multi select attribute, the id-label mapping is different between products and categories.

For categroies the mapping is string to string. It will be[ (id:boys->label: Boys Apparel) , (id: moms\_dads -> label: Moms & Dads ) in department attribute]

However, in product, as the attribute is created by magento, the id is not control by us. It will be like [ (id:45->label: boys) , (id: 47 -> label: moms\_dads ) in department attribute]

So when we need to filter the specific attribute value with both categories and products. We can not simply compare their id. The relationship between categories and products attribute is that category certain attribute value’s id should be the same as product’s certain attribute value’s label. For example, for girl value in department attribute of category, the mapping is id:girls -> label: Girls.

Therefore the mapping of girl value in department attribute of a product would be id:65(or other number)->label girls.

\*Category attribute mapping can be set at app\code\local\Mage\Catalog\Model\Category\Attribute\Source

\*\*Product attribute value’s label should be set on admin->category-> attribute ->manage attribute

\*\*\* Magento way to get option label by id or get id by label:

$attribute = Mage::getModel('catalog/product')->getResource()->getAttribute('departments');

$optionArray = $attribute ->getSource()->getAllOptions();

$attribute ->getSource()->getOptionId('Boys'); //get id by label

$attribute ->getSource()->getOptionText($value); //get label by id

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