

OSM Orchestration Exercise

Lab 6-1 - Define Product Classes

Product Classes are used to match the product class specified in the incoming order to one of the pre-defined Product Specification.

By defining Product Classes in Design Studio, an XML file called '**productClassMapping.xml**' is automatically generated that can be used in the Decomposition Process to look-up the product Spec from the incoming Class. Once generated, the product specification mapping file needs to be copied/uploaded to the Weblogic server running OSM 7 so that it can be read 'real time' during decomposition.

- 1) Create a new '**Product Class**'
 - Name : **MOBILE**
 - Folder :
 - Product Specification : **Mobile.Product.Spec**

The result should be similar to the one shown below

The screenshot shows the 'Product Class : MOBILE' configuration form. It includes fields for Description (MOBILE), Extends, Product Specification (Mobile.Product.Spec), Effective Start Date (15/01/2010), Effective End Date (15/01/2010), and checkboxes for 'Immediately' and 'No End Date'.

**** Note:** Product Classes can contain attributes which can be imported from other systems such as Siebel and the Product Data Hub. This will be covered later in the course.

2. Now that you have mapped the Product Class to the Product Specification, go back to the '**Mobile.Product.Spec**' and switch to the '**Product Classes**' tab.

**** Hint :** From the Product Class select the "open" button next to the "Product Specification" field

The screenshot shows the 'Product Specification : Mobile.Product.Spec' configuration form. It includes fields for Description (Mobile.Product.Spec) and Namespace (osm7Order1.com). Below these fields is a section titled 'Product Classes' which contains a table listing the product classes mapped to this specification.

Project	Product Class
L3-DD-MWT	MOBILE

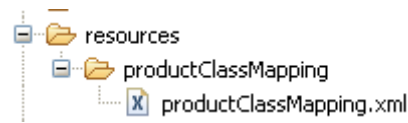
This screen is important as it shows the 'multiple' product classes can be mapped to the same product specification. This allows one decomposition strategy to handle multiple products in different product classes.

Although your cartridge is far from completion, if you clean and build your project you will find that the mapping file has been created.

OSM Orchestration Exercise

Lab 6-1 - Define Product Classes

3. In Studio switch to the 'Java Prospective' and browse down your cartridge directory structure to the 'resources' directory.



Here you will see the '**productClassMapping.xml**' file. Double-click on the file and it will open in a new window.

If you have more than one project that is referenced or using the decomposition rules defined in your project (at this time you should not) then this file 'may' contain details from these other cartridges, but you are only interested in the lines relevant to your cartridge.

For example

```
<productClass name="MOBILE" cartridge="L3-DD-XXX">
  <productSpec>Mobile.Product.Spec</productSpec>
</productClass>
```

This entry was created by the 'CLASS' object pointing at the mobile product spec. We will create a lookup against this file in the '**Order Item Specification**' in a later lab.

END OF LAB