

OSM Orchestration Exercise

Lab 9-2 - Create Control Data Structures

In this section we will create the controlling data structures needed by OSM to create and process the Orchestration Plan.

Care should be taken when completing the following labs as many of the data elements created are 'keywords' in the OSM core and their names cannot be changed. Key words are highlighted

Two key control structures are required by OSM for the processing of the Orchestration Plans. One is called 'OrderItem' and the other is called 'Functions'. Both of these reside under a header structure called 'ControlData'



Under the 'OrderItem' structure lives one entry for each of the 'Properties' you defined in the 'Order Item Specification'.

Under 'Functions' you create individual structures for each of the functional 'Order Component Functions' you created.

Although this structure may seem complex, is mandatory and been defined to make best use of the capability of OSM's sub-processing features.

1. In the Data Dictionary right-click and add a new 'Structure'.

Name	Min	Max	Type	Length
FunctionType	0	1	Structure	N/A

2. Now right-click on 'FunctionType' and add a 'Child Element'.

Name	Min	Max	Type	Length
componentKey	0	1	String	100

3. Now right-click on 'FunctionType' and add a 'Child Structure'.

Name	Min	Max	Type	Length
orderItem	0	Unbound	Structure	N/A

4. Now right-click at the root of the Data Dictionary and add a 'Structure'.

Name	Min	Max	Type	Length
ControlData	0	1	Structure	N/A

5. Now right-click on 'ControlData' and add a 'Child Structure'.

Name	Min	Max	Type	Length
OrderItem	0	Unbound	Structure	N/A

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6. Now right-click on **'ControlData/OrderItem'** and add a 'Child Element' for each of the **'Properties'** you have defined in the **'Order Item Specification'**.

Name	Min	Max	Type	Length
ProductCode	0	1	String	20
ProductName	0	1	String	20
ProductDesc	0	1	String	20
ProductClass	0	1	String	20
ProductSpec	0	1	String	50
LineID	0	1	String	5
BundleID	0	1	String	5

7. Now right-click on **'ControlData'** and add a 'Child Structure'.

Name	Min	Max	Type	Length
Functions	0	1	Structure	N/A

8. Now right-click on **'Functions'** and add a 'Child Structure' for each of the **'Functions'** defined under the **'Order Component Specifications'**.

Name	Min	Max	Type	Length
InitiateBillingFunction	0	Unbound	FunctionType	N/A
FulfillBillingFunction	0	Unbound	FunctionType	N/A
ProvisioningOrderFunction	0	Unbound	FunctionType	N/A
InstallOrderFunction	0	Unbound	FunctionType	N/A
ShipOrderFunction	0	Unbound	FunctionType	N/A

**** Note:** When you change the type to **'FunctionType'** you need to use the 'Select' button in the side properties and then select 'your' Data Dictionary in the drop-down and then select the Structure **'FunctionType'**.

Child Structure

Complete the form and click OK to create the item.



Dictionary	L3-DD-MWT	New...
Name		
Display Name		
Language	[default]	
Type	FunctionType	Select...

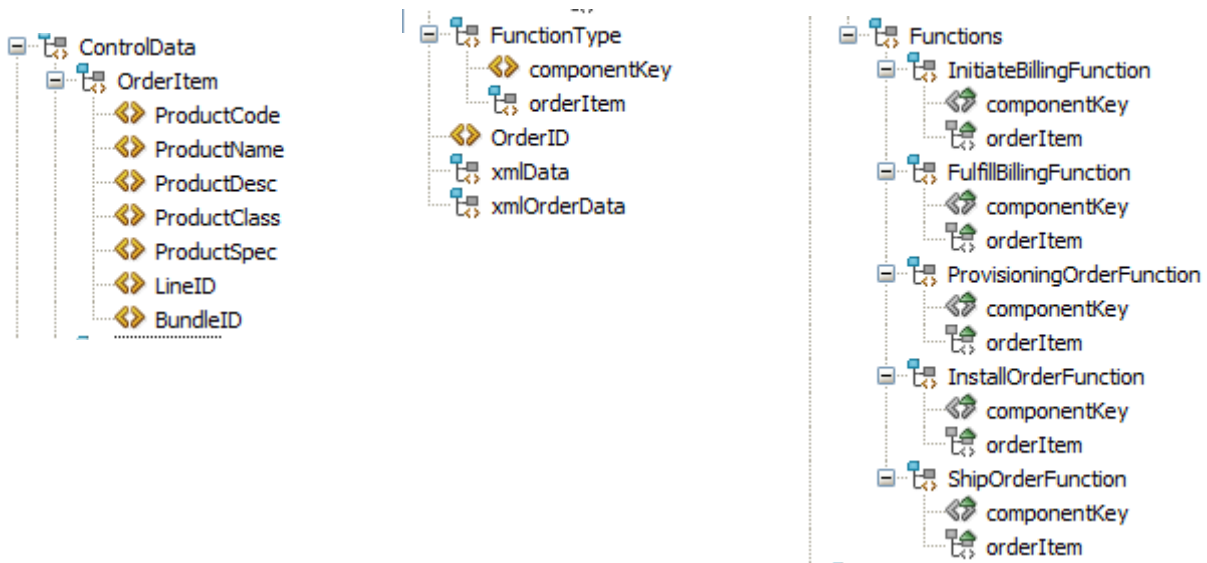
Data Item Selection	
Dictionary	All
Type	Structures
Search	
<ul style="list-style-type: none">ControlData<ul style="list-style-type: none">FunctionTypexmlDataxmlOrderData	

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9. Once you have completed the above select 'File / Save All' from the menu bar.

If you have completed the above correctly you should have the following structures:



We have now completed **Lab 9.2**

END OF LAB