OSM Orchestration Exercise
Lab 13-2 - Adding Additional System Granularity

So far we have been building the solution based on the table introduced in lab 7-1

FUNCTION	SYSTEM	GRANULARITY
InitiateBillingFunction	BillingSystem	OrderGranularity
ShipOrderFunction	Shipping-InHouse	BundleGranularity
ProvisioningOrderFunction	ProvisioningSystem	ItemGranularity
InstallOrderFunction	WFM-ALL	BundleGranularity
FulfillBillingFunction	BillingSystem	OrderGranularity

And that has resulted in an orchestration plan looking like:

In our overall scenario this has an undesired effect of not allowing billing (blue box) to be completed until both DSL and Mobile has completed. So we would like to change the scenario to allow the orchestration plan to look like:

This is the focus of this lab, we will be enhancing our cartridge to change

FUNCTION	SYSTEM	GRANULARITY
InitiateBillingFunction	BillingSystem	OrderGranularity
FulfillBillingFunction	BillingSystem	OrderGranularity

to

FUNCTION	SYSTEM	GRANULARITY
InitiateBillingFunction	**InitiateBillingSystem**	OrderGranularity
FulfillBillingFunction	**FulfillBillingSystem**	**BundleGranularity**

This will involve some changes to your existing model.

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1. Add the following **Order Component Specifications**

| Name	Folder	Extends
FulfillBillingSystem	SYSTEM	BillingSystem
InitiateBillingSystem	SYSTEM	BillingSystem
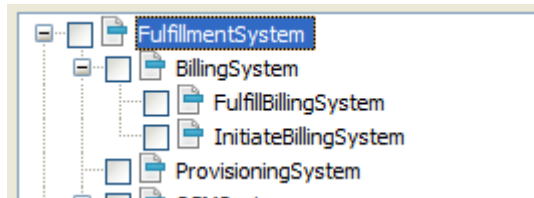
2. Decomposition Rules

Action	Name	Folder	SOURCE ITEM	TARGET ITEM
Delete	InitiateBillingFunctionToBillingSystem			
Delete	FulfillBillingFunctionToBillingSystem			
Delete	BillingSystemToOrderGranularity			
Add	FulfillBillingFunctionToFulfillBillingSystem	FUNCTION_TO_SYSTEM	FulfillBillingFunction	FulfillBillingSystem
Add	InitiateBillingFunctionToInitiateBillingSystem	FUNCTION_TO_SYSTEM	InitiateBillingFunction	InitiateBillingSystem
Add	FulfillBillingSystemToBundleGranularity	SYSTEM_TO_GRANULARITY	FulfillBillingSystem	BundleGranularity
Add	InitiateBillingSystemToOrderGranularity	SYSTEM_TO_GRANULARITY	InitiateBillingSystem	OrderGranularity

3. Validate that **DefineOrchestrationSystems** looks like
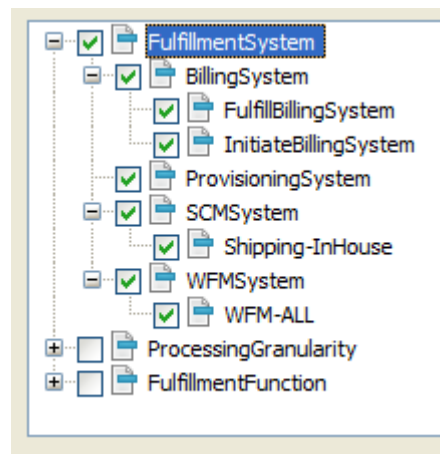
4. Save / Build / Deploy and run a test order using OSM7-DD-Lab11-3.xml

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You should now see the following orchestration plan

END OF LAB