

# OSM Orchestration Exercise

## Lab 12-1 - Further Enhancing Dependencies

Up till now we have created dependency rules that work with the sample data we have provided, in the previous lab our decomposition plan looked liked:



However, what would happen if we didn't have anything to Ship?

**Answer:** Our dependency rules would break and we would end up with the following



This would result in both **InitiateBillingFunction** & **ProvisioningOrderFunction** starting at the same time – this is not what we wanted to happen.

1. In order to compensate for this we need to define the following rules, make changes to the correct **Product Specifications**.

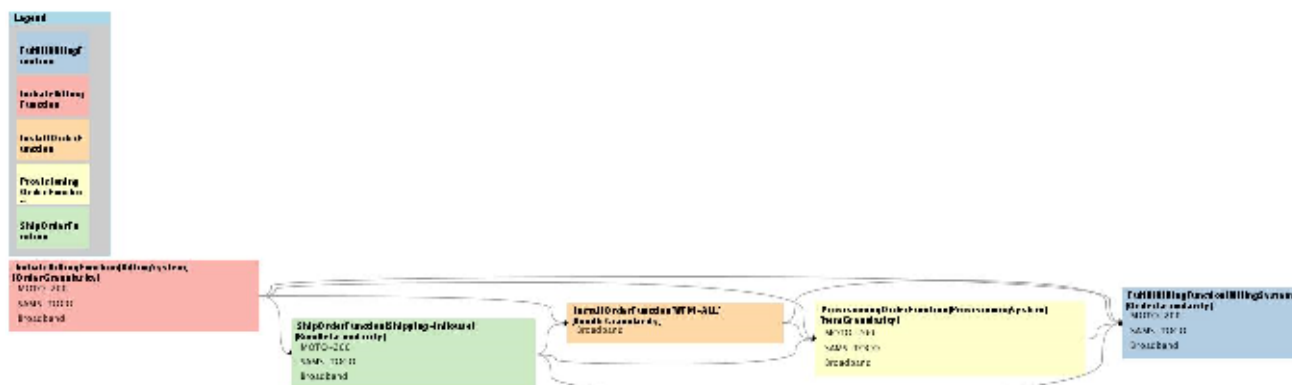
Product Specification	From Order Component	To Order Component
Base.Product.Spec	InitiateBillingFunction	FulfillBillingFunction
Mobile.Product.Spec	InitiateBillingFunction	ShipOrderFunction
Mobile.Product.Spec	InitiateBillingFunction	ProvisioningOrderFunction
Mobile.Product.Spec	ShipOrderFunction	ProvisioningOrderFunction
Mobile.Product.Spec	ShipOrderFunction	FulfillBillingFunction
Mobile.Product.Spec	ProvisioningOrderFunction	FulfillBillingFunction
Broadband.Product.Spec	InitiateBillingFunction	ShipOrderFunction
Broadband.Product.Spec	InitiateBillingFunction	InstallOrderFunction
Broadband.Product.Spec	InitiateBillingFunction	ProvisioningOrderFunction
Broadband.Product.Spec	ShipOrderFunction	InstallOrderFunction

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Product Specification	From Order Component	To Order Component
Broadband.Product.Spec	ShipOrderFunction	FulfillBillingFunction
Broadband.Product.Spec	ShipOrderFunction	ProvisioningOrderFunction
Broadband.Product.Spec	ProvisioningOrderFunction	FulfillBillingFunction
Broadband.Product.Spec	InstallOrderFunction	FulfillBillingFunction
Broadband.Product.Spec	InstallOrderFunction	ProvisioningOrderFunction

**\*\* Note:** you can create further product specifications to handle re-useable scenario's (i.e shipping which appears in both the Broadband and Mobile product specifications)

2. Clean / Build / Deploy your cartridge
3. Run test order: **OSM7-DD-Lab11-3.xml**
4. Validate that your orchestration plan looks like the following



This means that if any of the components are removed the orchestration will still work.

In the following labs, we will be working with the granularity rules.

**END OF LAB**