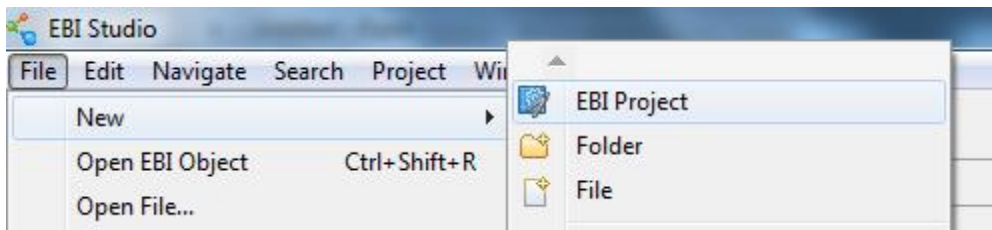


Create REST Webservices Provider in less than 15 Minutes

1 CREATE NEW PROJECT

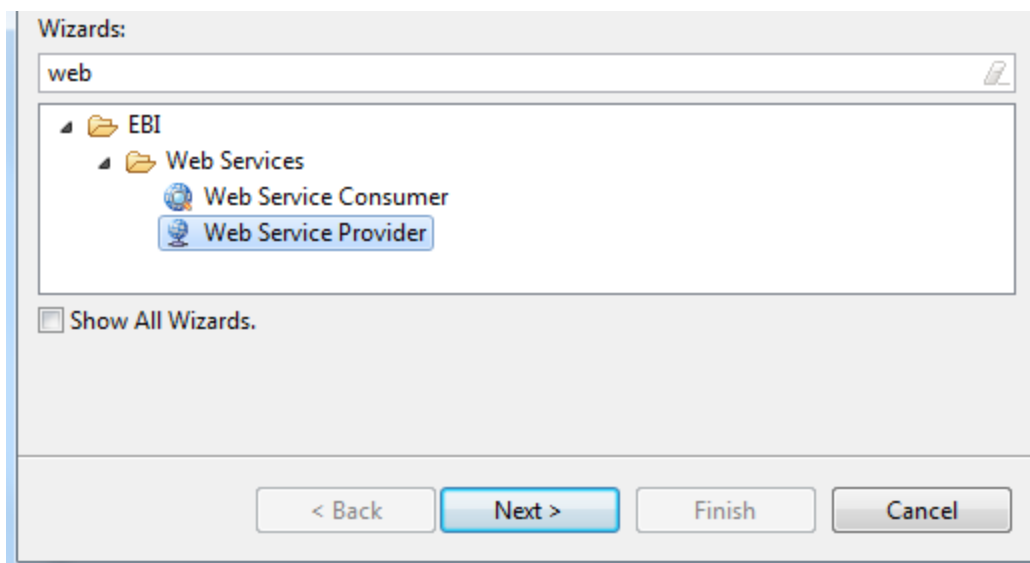
The first step the EBI user needs to take is creating a new **EBI Project**.

File > New > EBI Project



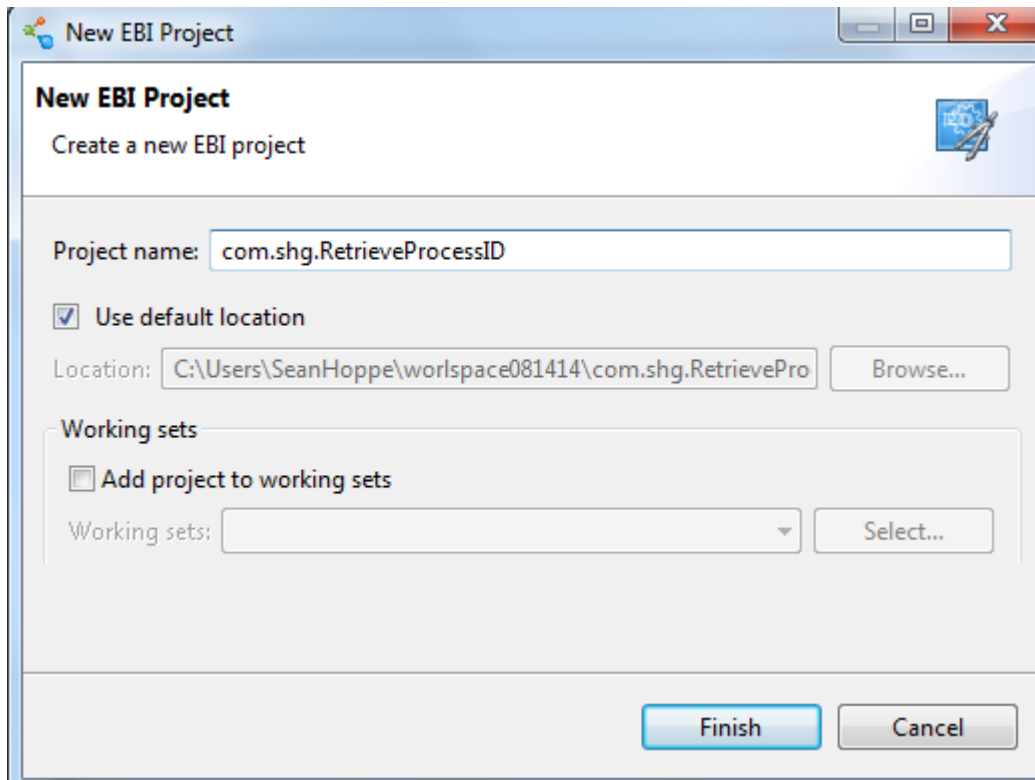
2 SELECT WEBSERVICE PROVIDER WIZARD

We will then be prompted to select an **EBI Wizard**. We will type in 'web' to hone in on **Web Service Provider**.



3 CREATE WEBSERVICE PROJECT IN NEW ENVIRONMENT

The next step the EBI user needs to take is naming the new project. In this case we will be returning the Business Process Script Process ID. We will name our project. **com.shg.RetrieveProcessID**.

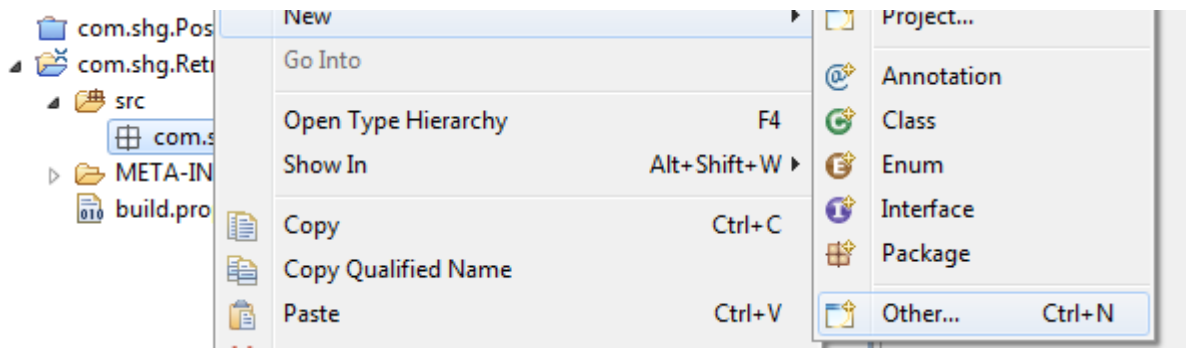


4 ADD WEBSERVICE PACKAGE

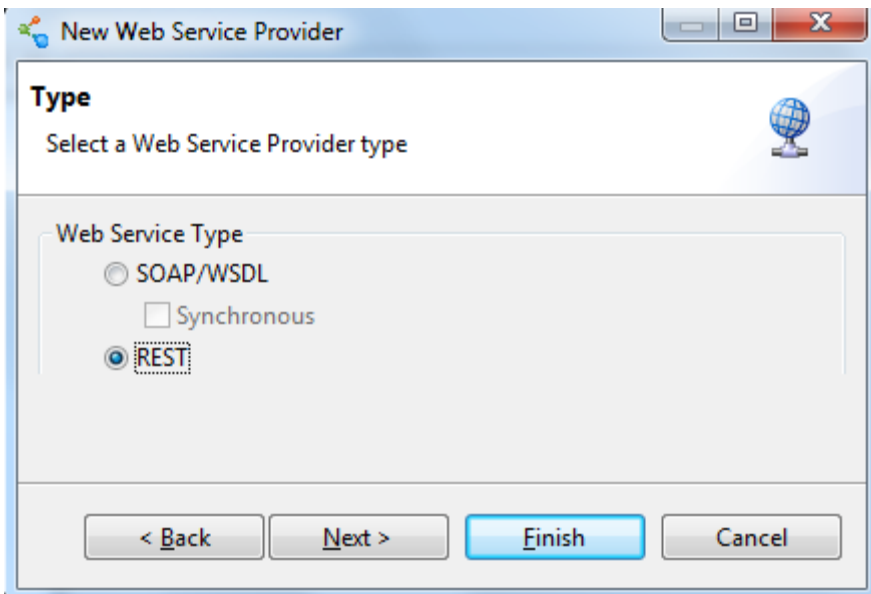
Once the Webservice project has been created we will want to create the actual **REST Webservice Package**. When we create the Webservice Package, the EXTOL Wizard will create the actual **webservice** object and the corresponding **Business Process**

We will <RIGHT CLICK> on the package: **com.shg. RetrieveProcessID** and choose

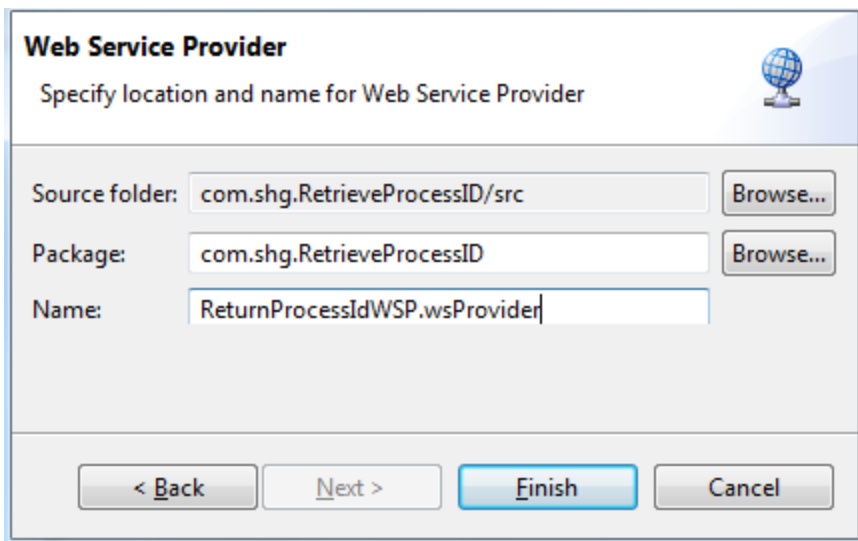
New > Other



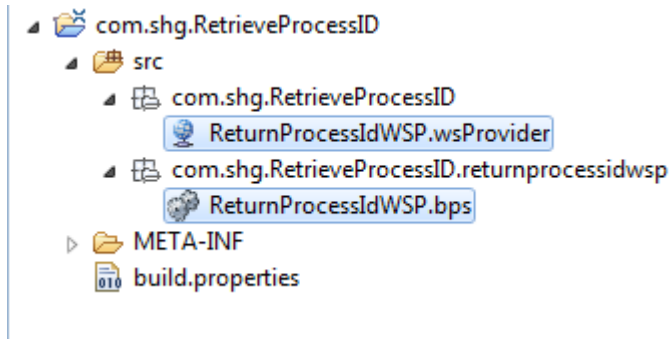
Once we choose “Other” we will be prompted to determine which type of Webservice Provider we want to create. In our case we will choose **REST**.



After we click on **Next**, we will be asked to name our new REST Webservice (WSP). The default value is: MyWsProviderWSP.wsProvider. We will rename the WSP to : **ReturnProcessIdWSP.wsProvider** (see below)

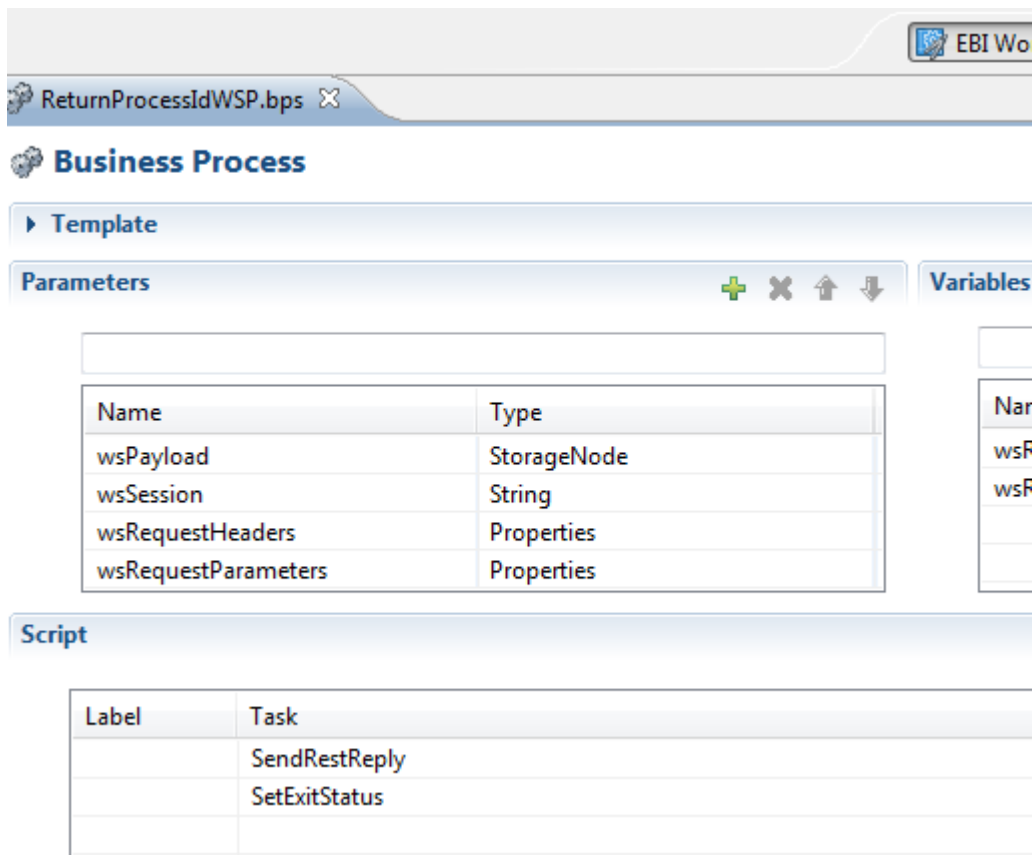


Once we click **Finish**, we should see the follow project, packages and objects in the EXTOL Workbench



5 UPDATE WEBSERVICE BUSINESS PROCESS

After the REST Webservice package and objects are created in the EXTOL Workbench, we will want to update the Business Process. Double-click on the object: **ReturnProcessIdWSP.bps**. Once opened, we should see the following:



We will want to add two new tasks and place them in the following order:

- **GetProcessNumber**
- **SetProperty**

5.1 BPS TASK: GETPROCESSNUMBER

In the example below, we assign the variable **ProcessIDvar** to “Process Number”

wsPayload	StorageNode
wsSession	String
wsRequestHeaders	Properties
wsRequestParameters	Properties

Script

Label	Task	Pass	Fail
	GetProcessNumber	next	FAIL
	SetProperty	next	FAIL
	SendRestReply	SUCCESS	FAIL
SUCCESS	SetExitStatus	end	end
FAIL	SetExitStatus	next	end

Problems Properties Search

Parameters for target: 'GetProcessNumber'

Process Number: ProcessIDvar

5.2 BPS TASK: SETPROPERTY

Below we assign **wsReplyHeaders** to “Properties File”, create a constant of “ProcessID” for “PropertyName”, and assign the variable **ProcessIDvar**, from above, to “Value”.

Label	Task	Pass	Fail
	GetProcessNumber	next	FAIL
	SetProperty	next	FAIL
	SendRestReply	SUCCESS	FAIL
SUCCESS	SetExitStatus	end	end
FAIL	SetExitStatus	next	end

Problems Properties Search

Parameters for target: 'SetProperty'

Properties File: wsReplyHeaders

Property Name: String Literal: ProcessID

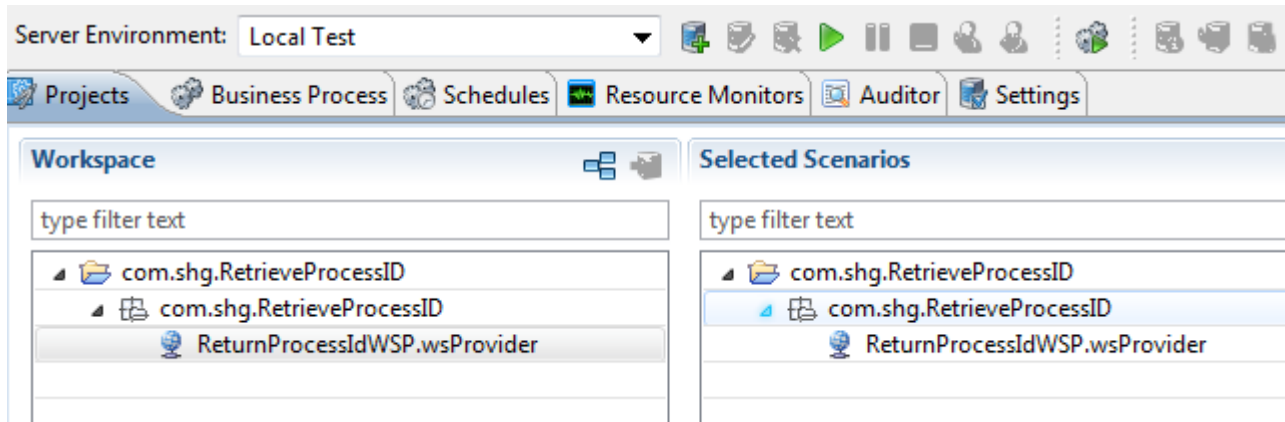
Value: ProcessIDvar

The **SetProperty** task essentially returns the Business Script Process ID Number as a header variable named: "ProcessID"

6 LOCAL SERVER – MOVE PROJECT TO SELECTED SCENARIO

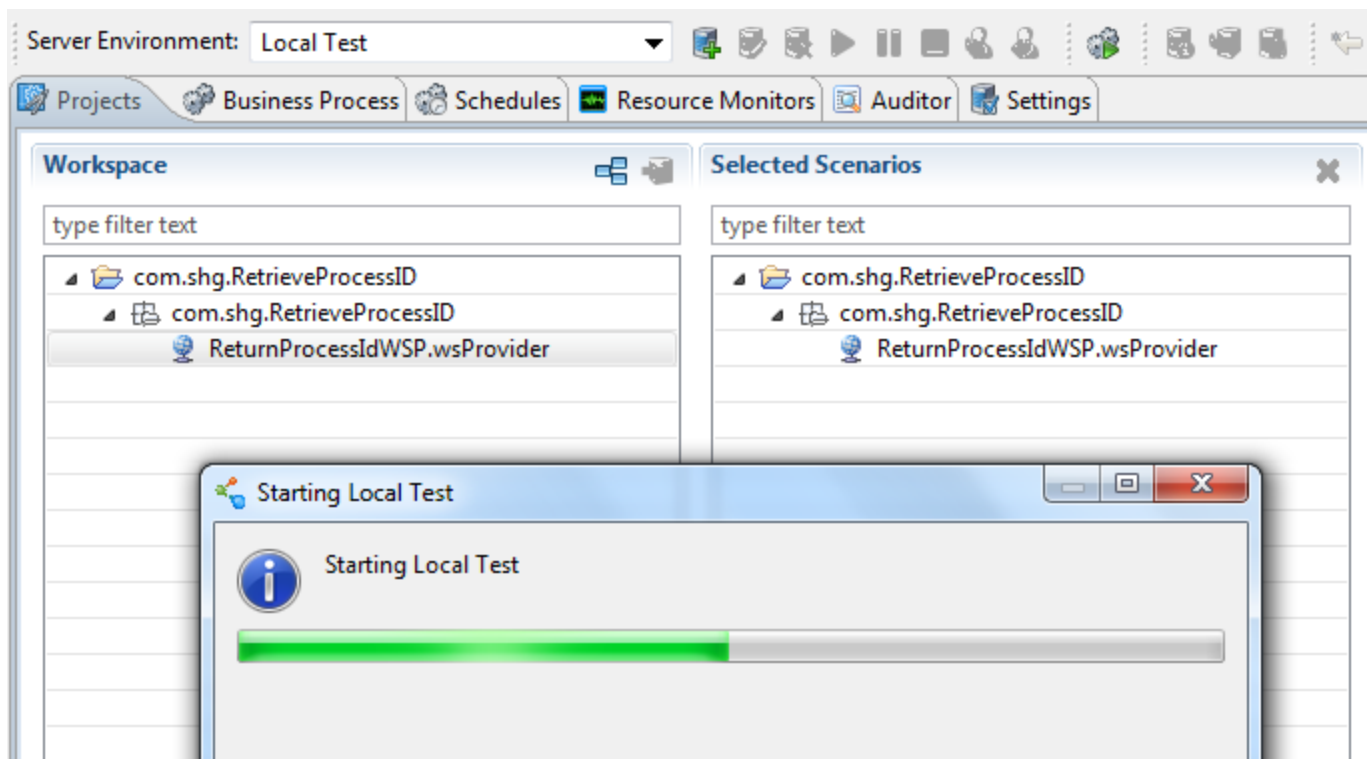
Once the Business Process has been finalized we can choose the **Admin Console**. From the Admin Console we will look to test our REST Webservice Project on the local server.

Below we will drag the object **ReturnProcessIdWSP.wsProvider** to the Selected Scenarios Pane.



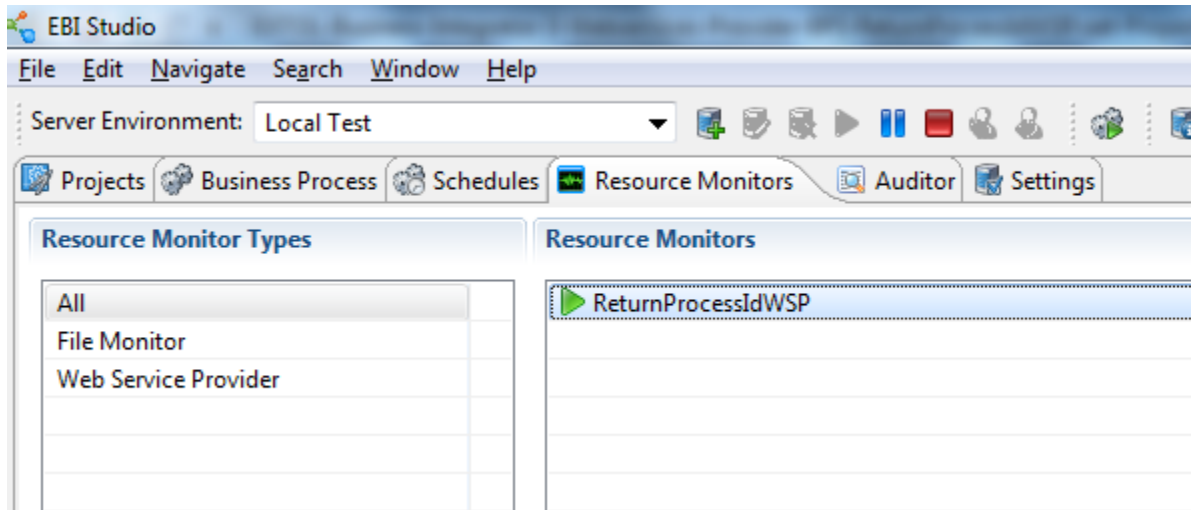
7 LOCAL SERVER – START SERVER

After the Project is located in the Selected Scenarios Pane, we will start the Local Server



8 LOCAL SERVER: ACTIVATE RESOURCE MONITOR

With the Local Server active, we will proceed to go to the **Resource Monitors** tab. From here we will locate the newly created WebService Provider and turn it on.



9 LOCAL SERVER: DETERMINE URL OF WEBSERVICE

ON the same screen where we activate the Resource Monitor of the Web Service Provider, we can review the **Internal Service URL** and **Internal SSL Service URL**.

With either of these two URLs, a web browser on the same network/domain would be able to access this webservice.

Note: Replace 'localhost' with the current machine's IP address/host name

