

# Exercise 9

*Deploy a more complex ESB flow that implements the Jim Webber Starbucks REST model*

## Prior Knowledge

Exercise 8 on ESB

## Objectives

See basic ESB operations. Look at the mapping of REST to SOAP

## Software Requirements

(see separate document for installation of these)

- Java Development Kit 7
- WSO2 Application Server 5.2.1
- WSO2 ESB 4.8.1

1. Remember that Starbucks SOAP service we installed? We are now going to look at how to map that into REST based on this article:  
<http://wso2.org/library/articles/2012/09/get-cup-coffee-wso2-way/>

Please take a reasonably good look at this.

2. Check you have the Starbucks ESB config downloaded. It should be in  
~/Downloads/starbuck-synapse-configs.zip
3. Unzip the ESB configs into the right place:

On the command line:

```
cd ~/servers/wso2esb-4.8.1
cd repository/deployment/server
unzip ~/Downloads/starbucks-synapse-configs.zip
```

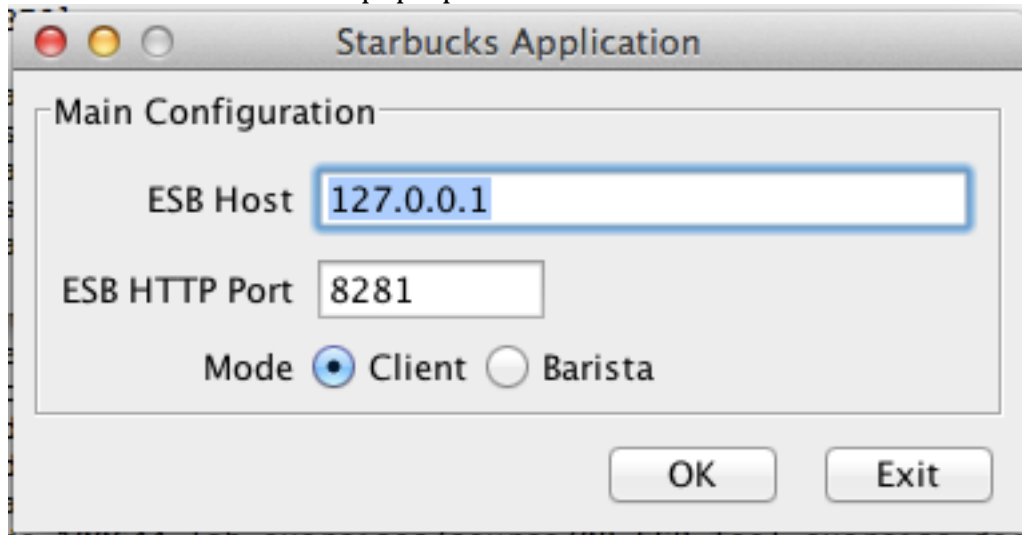
When prompted:

```
replace synapse-configs/default/synapse.xml? [y]es,
[n]o, [A]ll, [N]one, [r]ename:
```

**Type A and hit Enter**

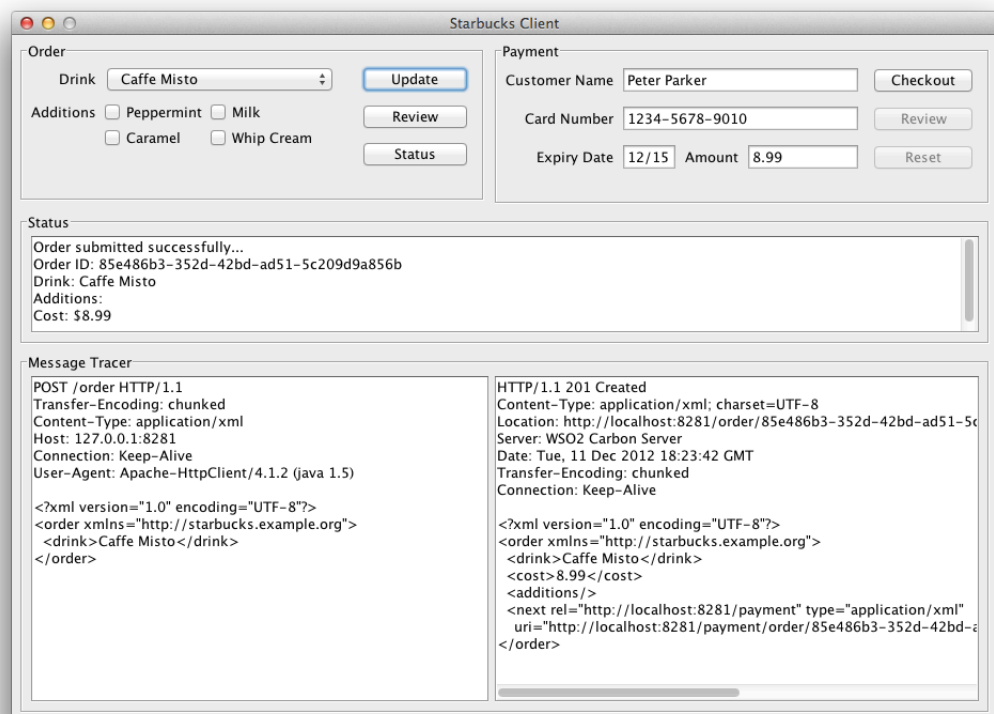
4. Look at the ESB command line window and see how the progress is going. You should see hot deployment messages.
5. Start the Java App that uses the REST API:  
cd ~/Downloads  
java -jar starbucks-rest-sample.jar

6. You should see a window pop-up:



7. Choose Client mode and click OK

8. Create some orders ☺



9. Read the article to understand how this is working. You can also view the API configuration and definitions from the ESB Console. And you can take a run at being a Barista as well.