

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
```

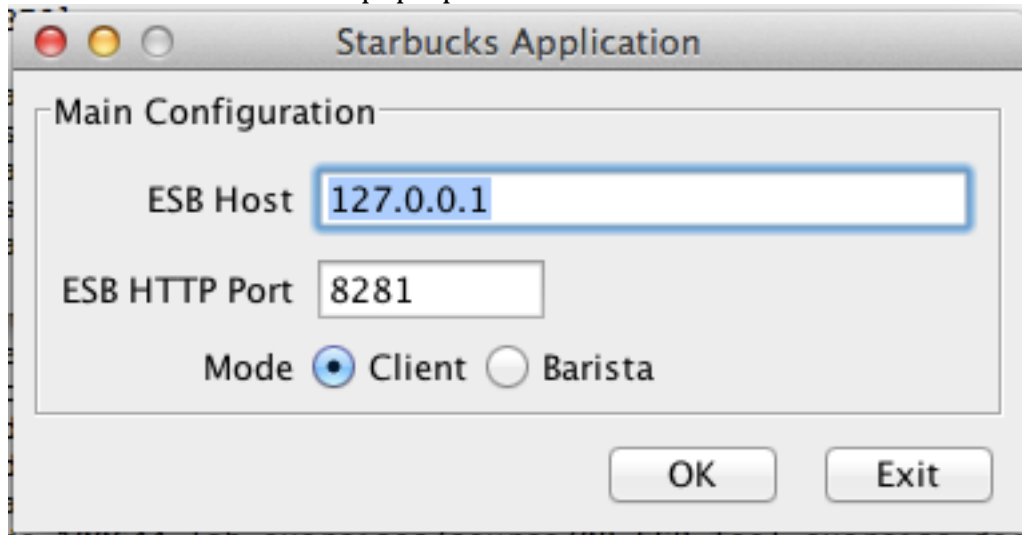
When prompted:

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

Type A and hit Enter

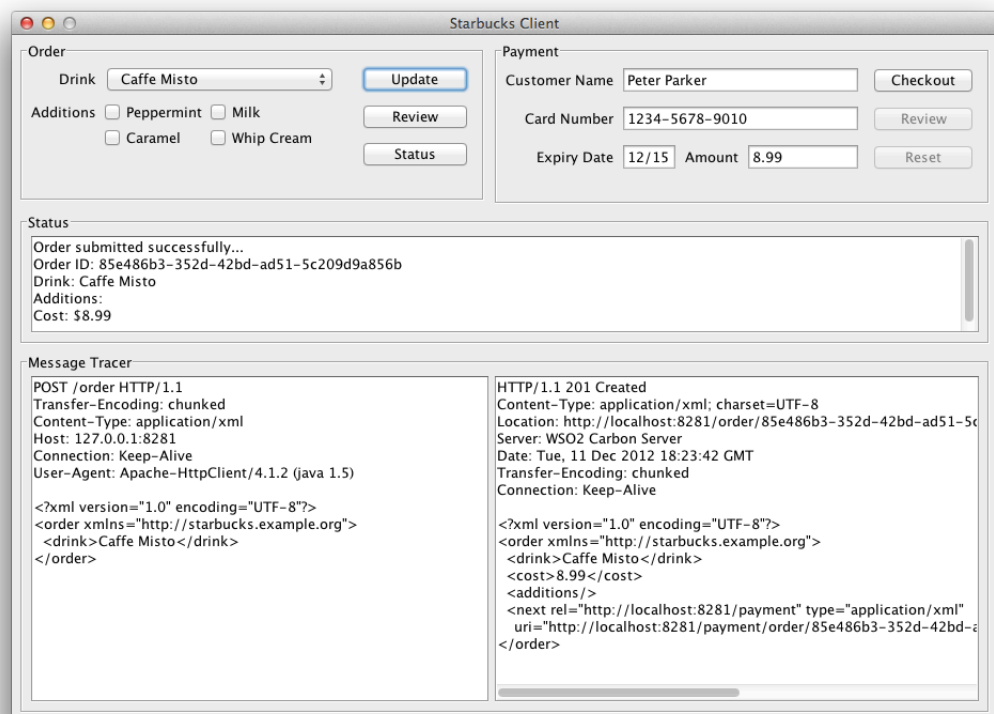
4. Look at the ESB command line window and see how the progress is going. You should see hot deployment messages.
5. Start the Java App that uses the REST API:
cd ~/Downloads
java -jar starbucks-rest-sample.jar

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.