

JBoss Fuse Integration Days - Hands on Lab Session

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Session 1 : Fuse Development - 90min

Prerequisites

- [Apache Maven 3.0.5](#),
- [JDK 7](#),
- [SOAPUi 5.0](#),

- [JBDS and Integration Stack](#)

Help > Install New Software...
Add...
Insert the following for 'Location:' <https://devstudio.jboss.com/updates/7.0/integration-stack/>

Remark : SOAPUI can be also installed within JBDS

- An eclipse update site is now available at <http://www.soapui.org/eclipse/update>, install the soapui-eclipse-plugin with the following steps:
 1. Select Help > Install New Software...
 2. In the Work with field, type <http://www.soapui.org/eclipse/update> and click Add...
- [JBoss Fuse 6.1 & JBoss A-MQ 6.1](#)

Installation of the code for the demos

- Clone the [hands on lab](#) git project and move to the directory [hands-on-lab](#)

git clone https://github.com/cmoulliard/fuse-days-2014.git

or use the code available on the

- USB key

Demos

Demo 1 - Using Camel Archetype with JBDS

- Start JBDS 7.1. GA
- Create in your home directory a workspace with the name [workspace-lab](#)
- Select [New Fuse Project](#)
- Next, select an archetype [camel-archetype-activemq](#)
- Define the following values for :

groupid : my
archetypeid : cool-demo
version : 1.0
- Click on [next](#) button
- When the project appears, switch to perspective [Fuse integration](#)
- Open the Camelcontext to navigate between the different camel routes (see menu - [routes](#)) and review them
- Start the camelContext using [Run as Local Camel Context](#)
- Open JMX Browser and navigate to discover the ActiveMQ browser and Camel
- Review the MBeans (routes, endpoints, ...)
- Enable tracing
- Drag and drop a message to an endpoint

- Review statistics under Message log
- Create a unit test and run it locally

Demo 2 - Import project - Demo Camel CXF with JBDS

- Start JBDS 7.1. GA
- Select the `workspace-lab`
- Import the `demo-camel-ws` project (as a Existing Maven project)
- Compile it using `mvn install` goal
- Change project properties (select in the menu bar → Project → Properties)
- Select Java Build Path, Click on Source and add folder `target/generated/src/main/java` to include code created by cxf-codegen-plugin
- Open Fuse integration perspective, review the camel route
- Start the camelContext using `Run as Local Camel Context`
- Open the view `soapUI Navigator` from the menu bar (Show view → Other → soapUI → soapUI Navigator) (DO NOT WORK)
- Start SOAPUI
- Select New project and add the URL point to the WSDL file of the Web Service exposed by the Camel route `http://localhost:9090/training/WebService?wsdl`
- When the project has been imported, select the service `getCustomersByName` and open `Request 1`. Replace the question mark symbol by `edHat`to search about it.
- You will get a response

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
  <getCustomerByNameResponse xmlns="http://example.fuse.redhat.com/">
    <return>
      <name>RedHat</name>
      <address>RedHat Office</address>
      <numOrders>78</numOrders>
      <revenue>5580.0</revenue>
      <test>100.0</test>
      <type>BUSINESS</type>
    </return>
  </getCustomerByNameResponse>
</soap:Body>
</soap:Envelope>
```

- Test the service `getAllCustomers` and `saveCustomer`
- A request1 example to save a new customer is available under `src/data/request-save` directory

you can also use **curl** to send request and get the result

```
curl -X POST -H "SOAPAction: http://example.fuse.redhat.com/getCustomerByName"  
-T hands-on-lab/demo-camel-ws-after/src/main/resources/data/request.xml  
http://localhost:9090/training/WebService | xmllint --format -
```



```
curl -X POST -H "SOAPAction: http://example.fuse.redhat.com/saveCustomerRequest"  
-T hands-on-lab/demo-camel-ws-after/src/main/resources/data/request-save.xml  
http://localhost:9090/training/WebService | xmllint --format -
```

```
curl -X POST -H "SOAPAction: http://example.fuse.redhat.com/getAllCustomers" -T  
hands-on-lab/demo-camel-ws-after/src/main/resources/data/request-all.xml  
http://localhost:9090/training/WebService | xmllint --format -
```

Demo 3 - Unit Test with JBDS

- Use project created for my cool demo
 - Select in the File menu bar **camel test case**
 - Package name should be **my.cool.demo**
 - Browse to select the camel xml file located under your src/main/resources/META-INF/spring` directory
 - Keep by default endpoints selected and click on **finish** button
 - Run the unit test using Junit
 - Check result
-

Session 2 : Packaging and deployment in JBoss Fuse - 90min

Presentation of JBoss Fuse & AMQ 6.1

Demos

Demo 1 - Tailor your JBoss Fuse server

- Edit file **etc/org.apache.karaf.features.cfg** located under /etc directory
- Comment the line starting with the key **featuresBoot** and add the following features

```
featuresBoot=jasypt-encryption,config,management,fabric,fabric-bundle,fabric-maven-proxy,patch,war,hawtio
```

- (Re)Start **fuse** with the command **/fuse clean**
- Check on the console that the number of bundles just correspond to what has been defined
- Was before **250** and now **128**

...

```
[ 126] [Active ] [ ] [ 60] JLine (2.11.0)
[ 127] [Active ] [Created ] [ 60] hawtio :: Karaf terminal plugin (1.2.0.redhat-379)
[ 128] [Active ] [Created ] [ 60] hawtio :: hawtio-maven-indexer (1.2.0.redhat-379)
```

- Add a new **features** like camel, camel-cxf

```
features:install camel
features:install camel-cxf
```

- Verify bundles deployed

```
[ 199] [Active ] [ ] [ 50] Apache CXF Compatibility Bundle Jar (2.7.0.redhat-610379)
[ 200] [Active ] [Created ] [ ] [ 50] camel-cxf-transport (2.12.0.redhat-610379)
[ 201] [Active ] [Created ] [ ] [ 50] camel-cxf (2.12.0.redhat-610379)
```



A new Karaf command has been added **cxf**

cxf:list-busses cxf:list-endpoints cxf:start-endpoint cxf:stop-endpoint

Demo 2 - Review JBoss Fuse commands

- Type on the keyboard **tab** key → Display all 311 possibilities? (y or n)
- Answer **yes**
- Type **log:** tab to see the commands belonging to **log** family
- Repeat with **OSGI**, **features**, **admin**, **log** and discuss with instructor purpose of the command

Demo 3 - Transform project into a bundle

- Change pom packaging of the camel cxf demo to bundle

```
<packaging>bundle</packaging>
```

- Add Apache Felix Bundle plugin to generate METADA required by OSGI runtime

```
<!-- to generate the MANIFEST-FILE required by the bundle -->
<plugin>
    <groupId>org.apache.felix</groupId>
    <artifactId>maven-bundle-plugin</artifactId>
    <version>${maven.bundle.plugin.version}</version>
    <extensions>true</extensions> <!-- Used in combination with bundle packaging to extend generate process -->
    <configuration>
        <instructions>
            <Bundle-SymbolicName>${project.artifactId}</Bundle-SymbolicName>
            <Import-Package>
                !com.redhat.fuse.example.camel,
                javax.jws,
                javax.jws.soap,
                javax.xml.bind,
                javax.xml.bind.annotation,
                javax.xml.datatype,
                javax.xml.namespace,
                javax.xml.ws,
                org.apache.camel;version="[2.10,3)",
                org.apache.camel.builder;version="[2.10,3)",
                org.apache.camel.model;version="[2.10,3)",
                org.apache.cxf.interceptor;version="[2.6,3)",
                org.apache.cxf.message;version="[2.6,3)",
                org.slf4j;version="[1.6,2)"
            </Import-Package>
        </instructions>
    </configuration>
</plugin>
```

- Build project **mvn clean install**
- Deploy the project on JBoss Fuse

```
osgi:install -s mvn:com.redhat.fuse/demo-camel-ws/1.0
```

- Verify that the bundle is deployed and status equals to **start**
- Verify also that we have a CXF endpoint exposed (web browser → <http://localhost:9090/training/WebService?wsdl>) but also using cxf command

```
cxf:list-endpoints
Name      State   Address          BusID
[CustomerServicePort] [Started] [http://localhost:9090/training/WebService] [demo-camel-ws-cxf1991170407]
```

- Using **soapui**, send a SOAPUI request **getAllCustomers**
- Look to the log file **log:display** or **ld** which is a shortcut

Demo 4 - Deploy to a Fuse Container

- Add the JBoss Fuse 6.1 server and deploy folder
- Select **DeployTo** and **Deploy Folder configuration**
- When the screen **Deploy Folders** appear, add the name **jbossfuse6.1**, point to your **deploy** folder

```
/Users/chmoulli/Fuse/Fuse-servers/jboss-fuse-6.1.0.redhat-379/deploy
```

- Description should be the same as **name**
- Add this config and click on **ok** button
- Select from the pom.xml file the option, deploy to → **jbossfuse6.1**
- mvn build will take place and deploy the jar file created under the **deploy** directory of your server
- List the bundles deployed on the console and consult the log file
- Do you something strange ? Have we missed to deploy something (camel, ...) ?
- Add the missing features

```
features:install camel
features:install camel-cxf
```

- Restart the bundle of your **cool-demo**

```
osgi:restart id_of_the_bundle
```

- Verify if th web service is working.
- Remove the jar/bundle deployed

```
rm -rf ..//deploy/demo-camel-ws-1.0.jar
```

Demo 5 - Package the project using a features file

- To achieve this goal, we will create a feature xml file containing our bundle
- Create the file **features.xml** under **src/main/resources/repository** directory

```
<?xml version="1.0" encoding="UTF-8"?>
<features name="my-cool-demo-${project.version}" xmlns="http://karaf.apache.org/xmlns/features/v1.0.0">
```

```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://karaf.apache.org/xmlns/features/v1.0.0 http://karaf.apache.org/xmlns/features/v1.0.0">
```

```
<feature name="cool-camel-cxf-demo" version="${project.version}">
  <bundle>mvn:com.redhat.fuse/demo-camel-ws/${project.version}</bundle>
</feature>

</features>
```

- Next we will do some maven modifications to add this file during the build process into the maven repository

```
<resources>
  <resource>
    <directory>${project.basedir}/src/main/resources</directory>
    <filtering>true</filtering>
  </resource>
</resources>

<plugins>
  <plugin>
    <groupId>org.codehaus.mojo</groupId>
    <artifactId>build-helper-maven-plugin</artifactId>
    <version>1.8</version>
    <executions>
      <execution>
        <id>attach-artifacts</id>
        <phase>package</phase>
        <goals>
          <goal>attach-artifact</goal>
        </goals>
        <configuration>
          <artifacts>
            <artifact>
              <file>${project.build.outputDirectory}/repository/features.xml</file>
              <type>xml</type>
              <classifier>features</classifier>
            </artifact>
          </artifacts>
        </configuration>
      </execution>
    </executions>
  </plugin>
</plugins>
```

- Build the project `mvn clean install`
- Shutdown JBoss Fuse `ctrl-d` and restart it by doing a cleanup `./fuse clean`
- install the features xml file

```
features:addurl mvn:com.redhat.fuse/demo-camel-ws/1.0/xml/features
```

- Check that the file is well installed

```
listurl
```

- Grep the `demo` feature

```
features:list | grep -i my-cool
[uninstalled] [1.0] cool-camel-cxf-demo my-cool-demo-1.0
```

- Install the feature

```
features:install cool-camel-cxf-demo
```



Check on the command line the result of that installation process



Error executing command: Could not start bundle mvn:com.redhat.fuse/demo-camel-ws/1.0 in feature(s) cool-camel-cxf-demo-1.0: Unresolved constraint in bundle demo-camel-ws [129]: Unable to resolve 129.0: missing requirement [129.0] osgi.wiring.package; (&(osgi.wiring.package=org.apache.camel)(version>=2.10.0)(&(version>=3.0.0)))

- To solve the problem, issue the missing features should be added to the features file
- Edit the file and replace the existing feature defintion by this one

```
<feature name="cool-camel-cxf-demo" version="${project.version}">
    <feature version="${camel.version}">camel</feature>
    <feature version="${camel.version}">camel-cxf</feature>
    <bundle>mvn:com.redhat.fuse/demo-camel-ws/${project.version}</bundle>
</feature>
```

- Build again `mvn clean install`
- Refresh features definitions using this command on JBoss Fuse

refreshurl

- Reinstall the project and test it (see previous demo)
- Analyze the camel statistics (command line)

```
camel:endpoint-list
camel:context-list
camel:route-list
```

```
camel:route-profile route1
```

- Execute some curl or soapui request, chck the statistics

```
camel:route-profile route1
```

Profile								
Camel Context: camel-1								
Id	Count	Last (ms)	Delta (ms)	Mean (ms)	Min (ms)	Max (ms)	Total (ms)	Self (ms)
route1	14	1	-1	2	1	11	33	0
setExchangePattern1	14	0	0	0	0	0	46	0
choice1	14	1	-1	2	1	9	46	29
log1	0	0	0	0	0	0	17	0
bean1	0	0	0	0	0	0	17	0
log2	14	0	-1	0	0	1	17	5
bean2	14	1	0	0	0	2	12	12
log3	0	0	0	0	0	0	0	0
bean3	0	0	0	0	0	0	0	0

Session 3 : Management & Monitoring - 60min

Presentation of Fuse Management Console - Hawtio

Demos

Demo 1 - Use Fuse Management Console / Hawtio

- Open your web browser and point to the following URL address `http://localhost:8181/`



The login/password `admin/admin` should be commented in the file etc/users.properties prior to start JBoss Fuse

- Add you login/password - admin/admin

- Verify that `camel` plugin is there
- Check content of the different plugins `log`, `osgi`, `threads`, `dashboard`
- Discover the camel plugin : route, context, attributes, source, diagram, operations, chart

Demo 2 - Trace and Debug camel routes

- Open the camelContext, next the route-1 and click on diagram

<http://localhost:8181/hawtio/index.html#/camel/routes?tab=camel&nid=root-org.apache.camel-demo-camel-ws-routes-%22route1%22>

- Send a SOAP Message `saveCustomerRequest`, `getAllCustomers` and check the counters changing within the route diagram
- Visualize the code source

<http://localhost:8181/hawtio/index.html#/camel/source?tab=camel&nid=root-org.apache.camel-demo-camel-ws-routes-%22route1%22>

- Next we will enable the tracing to get more info in the FMC console
- Click on `trace` tab and click on the button `Start tracing`
- Send a new SOAP Request - `getAllCustomers`
- 3 entries have been created in the table of the tracing. they belong to the same exchangeID
- Click on the first and next on `header` button, you should see the camel headers, SOAPAction
- Navigate between the different entries, you should see in the diagram that the color change between the different processor indicating where you stand
- Stop the tracing (click on the button - stop tracing)
- Now we will use the debug option
- Select `debug` tab and click on the button `start debugging`

<http://localhost:8181/hawtio/index.html#/camel/debugRoute?tab=camel&nid=root-org.apache.camel-demo-camel-ws-routes-%22route1%22>

- Click on the choice processor. The color of the processor turns to `yellow` as a breakpoint has been added and is suspended
- Send a SOAPMessage using curl. You should see that the response has not been received

```
curl -X POST -H "SOAPAction: http://example.fuse.redhat.com/getAllCustomers" -T hands-on-lab/demo-camel-ws/src/main/resources/data/request-all.xml
http://localhost:9090/training/WebService | xmllint --format -
% Total % Received % Xferd Average Speed Time Time Current
Dload Upload Total Spent Left Speed
```

- Return to your browser and look to the table (headers)
- Next click to the button `step into the next node`
- You will move between the different processors
- To finish to process a message, click on the resume button
- To leave the debugger, click on `stop` button

Demo 3 - Create a dashboard for your project to monitor specifically a camel route

- Select the `dashboard` plugin and click on the `manage` button
- Click on the `+ create` button to add your camel dashboard, name it `my-camel` in the dashboard table
- Return to your camel plugin
- Select the camel route1

<http://localhost:8181/hawtio/index.html#/camel/profileRoute?tab=camel&nid=root-org.apache.camel-demo-camel-ws-routes-%22route1%22>

- Click on the `profile` tab, you will see the statistics of your camel route
- To use this information and add it to your personal dashboard, click on the button `add this view to a dashboard`. This button is located on the panel of your tabs (right part)
- We switch to the dashboard view,
- Select your `my-camel` dashboard by clicking on the checkbox and next Click on `Add view to dashboard`
- When this is done you should be redirected to the dashboard - `my-camel` and a small widget representing the profile of your camel is displayed
- Increase the size of the widget
- Send new requests and check the values

Session 4 : Fabric, HA & Load Balancing - 60min

Presentation of Fuse Fabric & A-MQ

Demos

Demo 1 - Deploy project (my-cool-camel-cxf) as a profile

- Using the JBoss Fuse command line, create the fabric server

`fabric:create`

- Add maven plugin `fabric8:deploy` to the pom.xml file the project
- And define the properties required to create the profile

```
<fabric8.profile>my-cool-profile</fabric8.profile>
<fabric8.features>camel camel-cxf</fabric8.features>
<fabric8.parentProfiles>feature-camel</fabric8.parentProfiles>
```

- Add a new `maven` configuration to JBDS and name it `fabric8`
- Select the `demo-camel-ws` project, add the goal `fabric8:deploy`, save it



the admin/password login/password must be added to your settings.xml file of your maven config in order to run the plugin.

```
[ERROR] Please add the following to your ~/.m2/settings.xml file (using the correct user/password values):
[ERROR]
[ERROR] <servers>
[ERROR] <server>
[ERROR] <id>fabric8.upload.repo</id>
[ERROR] <username>admin</username>
[ERROR] <password>admin</password>
[ERROR] </server>
[ERROR] </servers>
```

Example of settings.xml file

```
<?xml version="1.0" encoding="UTF-8"?>
<settings xmlns="http://maven.apache.org/SETTINGS/1.0.0"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0 http://maven.apache.org/xsd/settings-1.0.0.xsd">
  <servers>
    <server>
      <id>fabric8.upload.repo</id>
      <username>admin</username>
      <password>admin</password>
    </server>
  </servers>
</settings>
```

- Run the **maven** config and wait till the build succeeds

```
Uploading: http://192.168.1.4:8181/maven/upload/com/redhat/fuse/demo-camel-ws/1.0/demo-camel-ws-1.0.pom
[INFO] About to invoke mbean io.fabric8:type=ProjectDeployer on jolokia URL: http://localhost:8181/jolokia with user: admin
[INFO] Got result: {"profId":"my-cool-profile","versionId":"1.0"}
```

- Open the Fuse Management Console. You should see that a new perspective has been added **fabric**, select it
- Review concepts introduced by the instructor
- Select wiki and navigate to the profile **my-cool-demo** to verify that your bundle is well attached to the profile and that the profile is linked to the profile (camel & cxf)

<http://localhost:8181/hawtio/index.html#/wiki/branch/1.0/view/fabric/profiles/my/cool/profile.profile>

- Next click on the button **new** to add a new child container with this profile
- Call the container **my-cool-container**
- Verify that the profile is **my-cool-profile**.
- Click on **create and start container**
- You will see that the container will created and the bundles currently deployed

Demo 2 - ElasticSearch and Insight

Objective : Install Insight + elasticsearch to collect statistics/metrics of the camel routes. Play with Full Text Search of ElasticSearch (Lucene) to query some Camel routes (using Message ID)

- Download fabric8 - http://fabric8.io/#/site/book/doc/index.md?chapter=getStarted_md
- Select in the **fabric** perspective, the container **root** runtime and add the profile **insight-core** and **insight-kibana**
- After a few moments, you should be able to verify that the **insight** perspective has been added to the menu

- Create a new child container `my-cool-insight` and add the profile `insight-camel` & `insight-core`
- Wait a few moments that the container is provisioned
- Open next the perspective `insight`, click on `camel events` tab and check the camel exchanges created
- Navigate between the columns of the table of ES
- Add or remove some columns
- Check the detail of a camel exchange
- Search about some exchanges using the Lucene FT Search

Demo 3 - HA and Network of brokers

Objective : Setup a Network of Brokers Topology and show how messages are persisted/processed (to support HA scenario)

- We will follow instructions of the FuseByExample/projects to setup 2 master/slave ActiveMQ brokers in a network of brokers (west to east)
 - <https://github.com/FuseByExample/external-mq-fabric-client>
 - <https://github.com/FuseByExample/external-mq-fabric-client/blob/master/docs/fabric-ha-setup-master-slave.md>

Demo 4 - Loadbalancing

Objective : Turn on your Fabric/Fuse container into a load balancing platform to distribute workload

- Review the configuration of the cluster server
(<http://localhost:8181/hawtio/index.html#/wiki/branch/1.0/view/fabric/profiles/example/camel>) and the camel route
<http://localhost:8181/hawtio/index.html#/wiki/branch/1.0/view/fabric/profiles/example/camel/cluster.server>
- Do the same but for the client -
<http://localhost:8181/hawtio/index.html#/wiki/branch/1.0/view/fabric/profiles/example/camel/cluster.client>
- Create 2 child containers using the `cluster server` profile



change 1 with 2 in the field `Number of containers` and name the containers `camel-cluster`

- Click on `Create and start containers`
- Verify that the 2 camel child containers are up and running
- Add now a new child container which is a client of the cluster
- Create a child container using the profile `cluster.client` and name the container `camel-client`
- Next connect to the child container and check the log to see that you get response from one of the two servers

```
2014-05-05 17:13:53 INFOfabric-client >>> Response from Fabric Container : camel-cluster1  
2014-05-05 17:13:54 INFOfabric-client >>> Response from Fabric Container : camel-cluster2  
2014-05-05 17:13:55 INFOfabric-client >>> Response from Fabric Container : camel-cluster1
```

Session 5 : Complex Business Processing - 90 min

Presentation of Drools Rule Language and Drools plugin in JBoss Developer Studio

Demos

Demo 1 - Drools & Camel Project

Objective : Discover Drools, Kie and Camel technologies

- Creation of a knowledge project with Rules using JBoss Developer Studio
- Import project *demo-camel-drools*
- Review the code and build it `mvn install`
- Setup a JBoss Fuse - Fabric server and deploy the Drools project using a profile and fabric8:deploy plugin in a child container `my-cool-drools-container`
- Open the container created and check the log file where you should see messages

```
2014-05-06 09:49:51,657 | INFO | imer://testRoute | Home  
2.12.0.redhat-610379 | Person Young Person is staying home  
2014-05-06 09:50:01,659 | INFO | imer://testRoute | Bar  
2.12.0.redhat-610379 | Person Old Person can go to the bar  
| rg.apache.camel.util.CamelLogger 176 | 230 - org.apache.camel.camel-core -  
| rg.apache.camel.util.CamelLogger 176 | 230 - org.apache.camel.camel-core -
```

Demo 2 - Add new Rule and extend the camel route

- Next we will add a new rule and modify the camel route
- After selecting the *drl* directory, Select from the menu `New -> Other -> Drools -> Rule Resource`
- file name should be `favoriteCheese-rule.drl`
- Type of resource → `New rule`
- Define the `Rule package name` to `org.drools.camel.example`
- Click on `next` button
- Add 2 new rules to define favoriteCheese and import the Person object

```
package org.drools.camel.example
```

```
import org.drools.camel.example.Person;
```

```
rule "Cheddar cheese for old person"  
when  
    p : Person( age >= 21 )  
then  
    p.setFavoriteCheese("cheddar");  
end
```

```
rule "Gouda cheese for young person"  
when  
    p : Person( age < 21 )  
then  
    p.setFavoriteCheese("gouda");  
end
```

- Modify the camel route to control the **favorite cheese** selected

```

<choice>
  <when id="CanDrink">
    <simple>${body.canDrink}</simple>
    <log logName="Bar" message="${body.name} can go to the bar"/>
    <to uri="direct://cheese"/>
  </when>
  <otherwise>
    <log logName="Home" message="${body.name} is staying home"/>
    <to uri="direct://cheese"/>
  </otherwise>
</choice>
</route>

<route>
  <from uri="direct://cheese"/>
  <when>
    <simple>${body.favoriteCheese} == 'gouda'</simple>
    <log logName="Gouda" message="${body.name} prefers gouda cheese"/>
  </when>
  <when>
    <simple>${body.favoriteCheese} == 'cheddar'</simple>
    <log logName="Cheese" message="${body.name} prefers cheddar cheese"/>
  </when>
</route>

```

- Rebuild the project **mvn clean install**
- Update the bundle within the **my-cool-drools-container**
- Verify in the log the messages displayed

2014-05-06 09:57:36,960 INFO imer://testRoute Bar 2.12.0.redhat-610379 Old Person can go to the bar	rg.apache.camel.util.CamelLogger 176 230 - org.apache.camel.camel-core - rg.apache.camel.util.CamelLogger 176 230 - org.apache.camel.camel-core -
2014-05-06 09:57:36,961 INFO imer://testRoute Cheese 2.12.0.redhat-610379 Old Person prefers cheddar cheese	rg.apache.camel.util.CamelLogger 176 230 - org.apache.camel.camel-core - rg.apache.camel.util.CamelLogger 176 230 - org.apache.camel.camel-core -
2014-05-06 09:57:56,963 INFO imer://testRoute Home 2.12.0.redhat-610379 Young Person is staying home	rg.apache.camel.util.CamelLogger 176 230 - org.apache.camel.camel-core -
2014-05-06 09:57:56,964 INFO imer://testRoute Gouda 2.12.0.redhat-610379 Young Person prefers gouda cheese	rg.apache.camel.util.CamelLogger 176 230 - org.apache.camel.camel-core -

This is the end.

We hope that you have enjoyed and appreciated !