**How to build the projects**

Clone down 'drools-example-domain'
Run 'mvn clean install' in the top directory

Clone down 'drools-example-rules'
Run 'mvn clean install' in the top directory

Clone down 'drools-example-application
Run 'mvn clean install' in the top directory

**How to run the tests**

Open the project inside 'drools-example-application' in Eclipse or Jboss Dev Studio
Locate the test runners in *src/test/java/com/redhat/usecase/cucumber/runners*
Right click on the runner you want to run and select Run As >> Junit Test. You will see that only two out of the five Cucumber features will pass.

Since we have tests running the rules in both cloud mode and stream mode, the tests that run in stream mode will not pass unless you comment out the timestamp attribute mapping in the *TradeEvent* class. The *TradeEvent* class is in the 'usecase-domain' project in the 'drools-example-rules' repo. You will need to comment out the line of code above the *TradeEvent* class declaration. You will also need to do a 'mvn clean install' in both the domain model and the application project again and re-run the tests. This will cause some tests that passed before to fail but all the tests using stream mode should pass.

*usecase-domain/src/main/java/tradeEvent/TradeEvent.java*

```java
@org.kie.api.definition.type.Role(org.kie.api.definition.type.Role.Type.EVENT)
@org.kie.api.definition.type.Timestamp("timestamp")

public class TradeEvent implements java.io.Serializable {
    private String accountId;
    private String financialAdvisorId;
    private Double price;
    private int quantity;
    private String symbol;
    private String type;
    private Date timestamp;
    private String id;
```

**How to clone the rules into business-central**

The rules project has been set up as a business-central project and some of the rules have been created using the guided rule editor in business-central.

In order to make sure all the projects will be able to access your local maven repo while in business-cental you need to go into each project in the rules repo and open the 'project.repository' file. In this file you must change the filepath that says "YOUR/FILEPATH/TO/MAVEN/REPO" to your own filepath to your local maven repo.

Once you have done this for all the projects you should be able to clone the rules repo into business-central as you would with any other repo.