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1 Introduction

This is a BRMS demo application setup guid for the Customer Evaluation Demo. The setup will create a fully installed and configured BRMS environment so that you can demo the project in all the available jBPM components. It will provide you with a JBoss Developer Studio project with unit tests to demo the project in the IDE. It will provide a repository that you can import into BRMS BRM and demo the web tooling, web business central admin console and asset manager BRM tooling.

2 Setup and Configuration

2.1 Installation

You first need to extract the demo distribution zip (brms-customer-evaluation-demo-1.0.zip) to a location of your choosing. Once extracted, you will have the following folder structure:

- \brms-customer-evaluation-demo
 - \installs – Initially empty, but will contain the BRMS platform downloads.
 - \projects – The project that comprise the demo.
 - \support – Additional supporting files used by the demo.
 - \target – Will be created by running init.sh. Contains the fully configured BRMS runtime server.
 - init.sh – Script to install and configure the run time server environment.
 - Quick Start Guide.odt – This document

Next, download JBoss Enterprise BRMS Platform from the Red Hat Customer Portal (<https://access.redhat.com/jbossnetwork>).

Download BRMS Platform:

1. Under *JBoss Enterprise Platforms*, select the *BRMS Platform* product.
2. Select version *5.3.0* in the *Version* field.
3. Download *JBoss BRMS 5.3.0*
(Please note that this is the deployable distribution, not the standalone one.)

Now copy `brms-p-5.3.0.GA-standalone.zip`, to the `brms-rewards-demo`'s *installs* folder.

Lastly, from the `brms-rewards-demo` folder, run the *init.sh* script:

```
$ ./init.sh
```

When the script completes you will have a new folder named *brms-standalone-5.3.0*, in the `brms-rewards-demo`'s *target* folder. The *brms-standalone-5.3.0* folder is a ready to run BRMS 5.3.0 server runtime with the following modifications made:

- The *admin* account enabled (password is *admin*) in the `brms-users.properties` file in *brms-customer-evaluation-demo/target/brms-standalone-5.3.0/jboss-as/server/default/conf/props*

2.2 JBoss Developer Studio Configuration

In this section, you will configure JBoss Developer Studio. Specifically you will add the BRMS 5.3.0 platform server runtime environment and then import the project that makes up the BRMS Rewards Demo.

Important: It is assumed that you already have JBoss Developer Studio installed. This demo has been tested with JBoss Developer Studio 5 (latest).

Launch JBoss Developer Studio

1. Either select or switch to a new workspace by pointing to the *brms-customer-evaluation-demo/projects* folder.
2. If the Welcome to JBoss Developer Studio screen appears, dismiss it by click the Workbench arrow in the upper right

Fix for missing GEF dependency in SOA Tools update site

1. Select *Help* → *Install New Software...* and add GEF update site <http://download.eclipse.org/tools/gef/updates/releases/>
2. **Do not select any components**, move on to next step to install SOA tools update site and the needed dependencies for GEF will be automatically resolved.

Install SOA tools for BRMS

1. Select *Help* → *Install New Software...* and add SOA Tools update site <https://devstudio.jboss.com/updates/5.0/staging/soa-tooling/>
2. Select *BRMS Tooling*, *SOA-P Tooling* and *JBoss SOA Development* (all sub-menu items will be selected) and proceed thru installation and restart JBoss Developer Studio to complete the installation. You will be told to restart JBoss Developer Studio for the changes to take effect, do this now.

Detect and add a BRMS 5.3.0 runtime environment

1. Select *Preferences* from the *Window* menu.
2. In the left hand side, expand *JBoss Tools* and then select *JBoss Tool Runtime Detection*
3. Select the *Add* button and navigate to the *brms-customer-evaluation-demo/target* folder, then select *OK*.
4. The *brms-standalone-5.3.0* runtime created earlier should have been found and selected. If so,

select *OK*.

5. Select *OK* again to close the Preferences dialog window.

Detect and add jBPM BRMS 5.3.0 runtime environment

1. Select *Preferences* from the *Window* menu.
2. In the left hand side, expand *JBM* and then select *Installed jBPM Runtimes*
3. If not automatically listed in the view: Select the *Add* button, then the *Create a new jBPM Runtime...* button and navigate to the *brms-customer-evaluation-demo/target/brms-standalone-5.3.0* folder, then name the runtime *jBPM BRMS 5.3.0 runtime* and select *OK*.
4. The *jBPM BRMS 5.3.0 runtime* should be selected. If so, select *OK* to close the Preferences dialog window.
5. You will be told to restart JBoss Developer Studio for the changes to take effect, do this now.

Detect and add Drools 5.3.1 runtime environment

6. Select *Preferences* from the *Window* menu.
7. In the left hand side, expand *Drools* and then select *Installed Drools Runtimes*
8. If not automatically listed in the view: Select the *Add* button, then the *Create a new Drools 5 Runtime...* button and navigate to the *brms-customer-evaluation-demo/target/brms-standalone-5.3.0* folder, then name the runtime *Drools 5.3.1.Final runtime* and select *OK*.
9. Select the *Drools 5.3.1.Final runtime*.
10. In *Drools* in the left hand side menu select *Drools Flow nodes*, make sure all boxes are checked (some are unchecked by default, don't ask me why...) and select *OK* to close the Preferences dialog window.
11. You will be told to restart JBoss Developer Studio for the changes to take effect, do this now.

Import Projects

1. Select *Import...* from the *File* menu.
2. Expand the *General* folder, and then select *Existing Projects into Workspace*
3. Select the *Browse* button to *Select root directory*, you should be in the *brms-rewards-demo* folder (if not, then navigate there) and then select *OK*.
4. Make sure the project (*brms-customer-evaluation-demo*) is selected and then select *Finish*.
5. The projects are now imported.

2.3 Start the JBoss Enterprise BRMS Platform

In this section, you will start the server from within JBoss Developer Studio.

1. Select the *Servers* view
If it is currently not open, select *Show View --> Other...* from the *Window* menu and search for the *Servers* view.
2. You should see the *brms-standalone-5.3.0* server you created earlier.
3. Right click on *brms-standalone-5.3.0* and select *Start* from the pop-up menu. In a few moments your JBoss Enterprise BRMS Platform will be running.

2.4 Importing Rule Repository

In this section, you will import all of the JBoss Enterprise BRMS artifacts into the Business Rules Manager (a.k.a. Guvnor).

1. Open up your Web browser of choice and navigate to <http://localhost:8080/jboss-brms/>
2. Use the default credentials of *admin/admin*
3. Upon logging in, you will see the following prompt:

**This looks like a brand new repository.
Would you like to install a sample repository?**

Important: Please be sure to select *No thanks*.

4. Select the *Administration* section on the left hand side
5. From the *Administration* list select *Import Export*. This will open the *Import Export* window.
6. Now select *Browse...* and navigate to *brms-customer-evaluation-demo/support* folder and select the *repository_export.xml* file.
7. Lastly, select the *Import* button. Select *OK* to confirm that you want to import the artifacts.

3 Running the Demo

3.1 JBDS IDE demo

You can demo the project in the JBoss Developer Studio by making use of the editors, running the provided unit tests and watching the console for logged (verbose) output.

3.2 BRMS BRM demo

The package can be imported, web designers viewing, rules asset viewing, package building and deploying, web business central admin console viewing.