

Red Hat JBoss BPM Suite

Mortgage Demo

(Use case: rules integration with BPM)

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Introduction

ToDo

Setup and Configuration

Installation

You first need to get the project by cloning it from the central location:

```
git clone git://github.com/eschabell/bpms-demo.git
```

Once downloaded, you will have the following folder structure:

- \bpms-mortgage-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.
 - \docs – Contains quickstart guide you are reading and architectural overview slides.
 - init.sh – Script to install and configure the run time server environment.

Next, download JBoss BPM Suite from the Red Hat Customer Portal (<https://access.redhat.com>).

Download JBoss BPM Suite:

1. Under *JBoss Enterprise Platforms*, select the *BPM Suite* product.
2. Select version *6.0.0 Beta1* in the *Version* field.
3. Download *Red Hat JBoss BPM Suite 6.0.0 Beta 1 Deployable for EAP 6.1.0*
(Please note that this is the deployable distribution, not the standalone one.)

Now copy `boss-bpms-6.0.0.Beta1-deployable-eap6.x.zip`, to the projects *installs* folder. Ensure that this file is executable by running:

```
$ chmod +x <path-to-project>/installs/ boss-bpms-6.0.0.Beta1-deployable-eap6.x.zip
```

Download EAP 6 Platform:

4. Under *JBoss Enterprise Platforms*, select the *Application Platform* product.
5. Select version *6.1.0* in the *Version* field.
6. Download *JBoss Application Platform 6.1.0*.

Now copy `jboss-eap-6.1.0.zip`, to the projects *installs* folder. Ensure that this file is executable by running:

```
$ chmod +x <path-to-project>/installs/jboss-eap-6.1.0.zip
```

Lastly, from the project folder, run the *init.sh* (or *init.bat*) script:

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

When the script completes you will have a new folder named *jboss-eap-6.1*, in the projects *target* folder. The folder is a ready to run EAP 6 server with BPM Suite with the following modifications made:

- The *mary*, *bob*, *alan*, *erics* accounts enabled (passwords are all the same, *bpmsuite*) in the *application-roles.properties* and *application-users.properties* file in *bpms-mortgage-demo/target/jboss-eap-6.1/standalone/configuration*
- Adjusted system properties, copied new *standalone.xml* to *bpms-mortgage-demo/target/jboss-eap-6.1/standalone/configuration*
- The mortgage demo repository setup in the product, copied *bpm-suite-demo-niogit* to the *bpms-mortgage-demo/target/jboss-eap-6.1/bin*

JBoss Developer Studio Configuration

Future work (TODO).

Running the Demo

The demo is focusing on the JBoss BPM Suite business central console which is web based.

JBoss BPM Suite mortgage demo

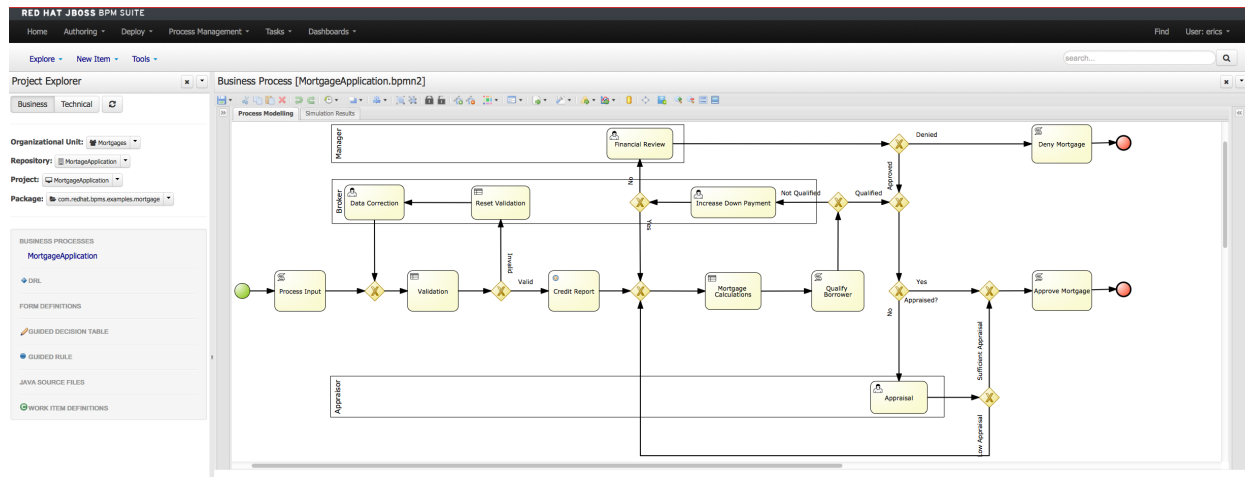
The package was already imported so now we can look closer at web designers viewing, rules asset viewing, package building and deploying, web business central admin console viewing.

Web Designer

The business central integrated suite is available on <http://localhost:8080/business-central> once the BPM Suite server has been fully started.

1. Login with a user (*erics*, *mary*, *bob*, *alan*). To start fresh you can at any time remove the *target* directory and re-run the install.
2. View mortgage process: *Project Authoring* → *Package (select com.redhat.bpms.examples.mortgage)* → *Business Processes* → *MortgageApplication* and

wait for web designer to appear.



Rule asset viewing

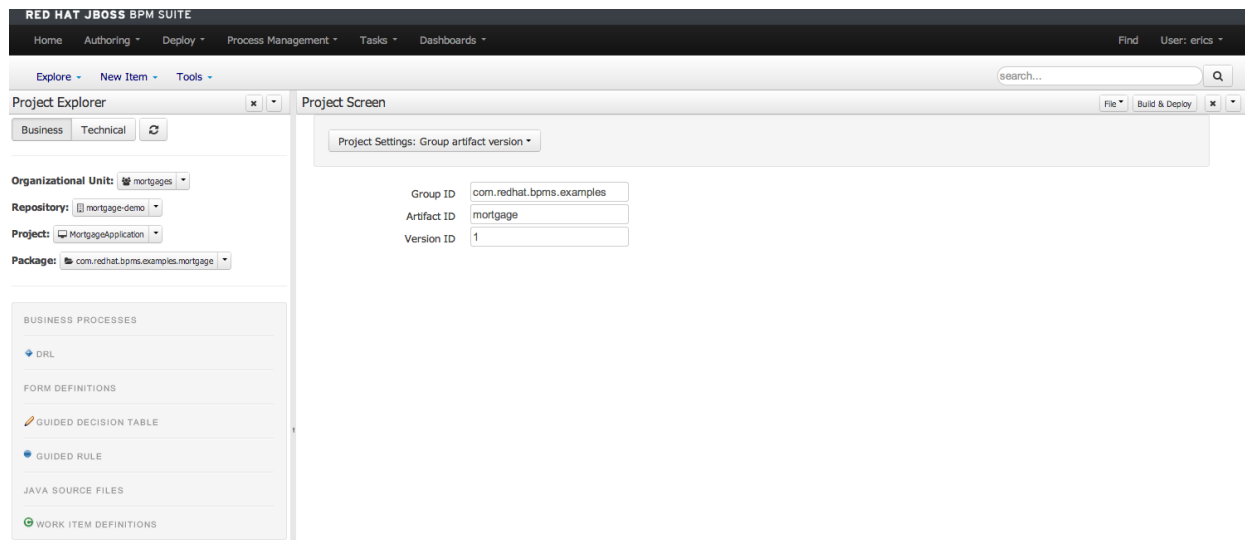
To view some of the assets in your project:

1. *Project Authoring* → *Package* (select *com.redhat.bpms.examples.mortgage*) → view *Guided Rule*, *Guided Decision Table*, *Java Source Files*, *Form Definitions*, or *Work Item Definitions*.

Build package for deployment

To build your project for deployment:

1. *Build & Deploy*: *Project Authoring* → *Package* (select *com.redhat.bpms.examples.mortgage*) → *Tools* → *Project Editor* → *Build & Deploy* button.
Now the process has been deployed if you see a pop-up Build successful.



View deployment

To view your deployed project and start an instance:

1. *Process Management* → *Process Definitions* → select *MortgageApplication* → *New Instance* button
2. Fill in form details and submit.

Submit form

- Name: erics
- Address: somewhere
- SSN: 123456789
- Income: 80000
- Property Sale Price: 100000
- Down Payment: 30000
- Amortization: 10

The process can be completed by viewing the task list, selecting the task for your process, claim it, complete it.