

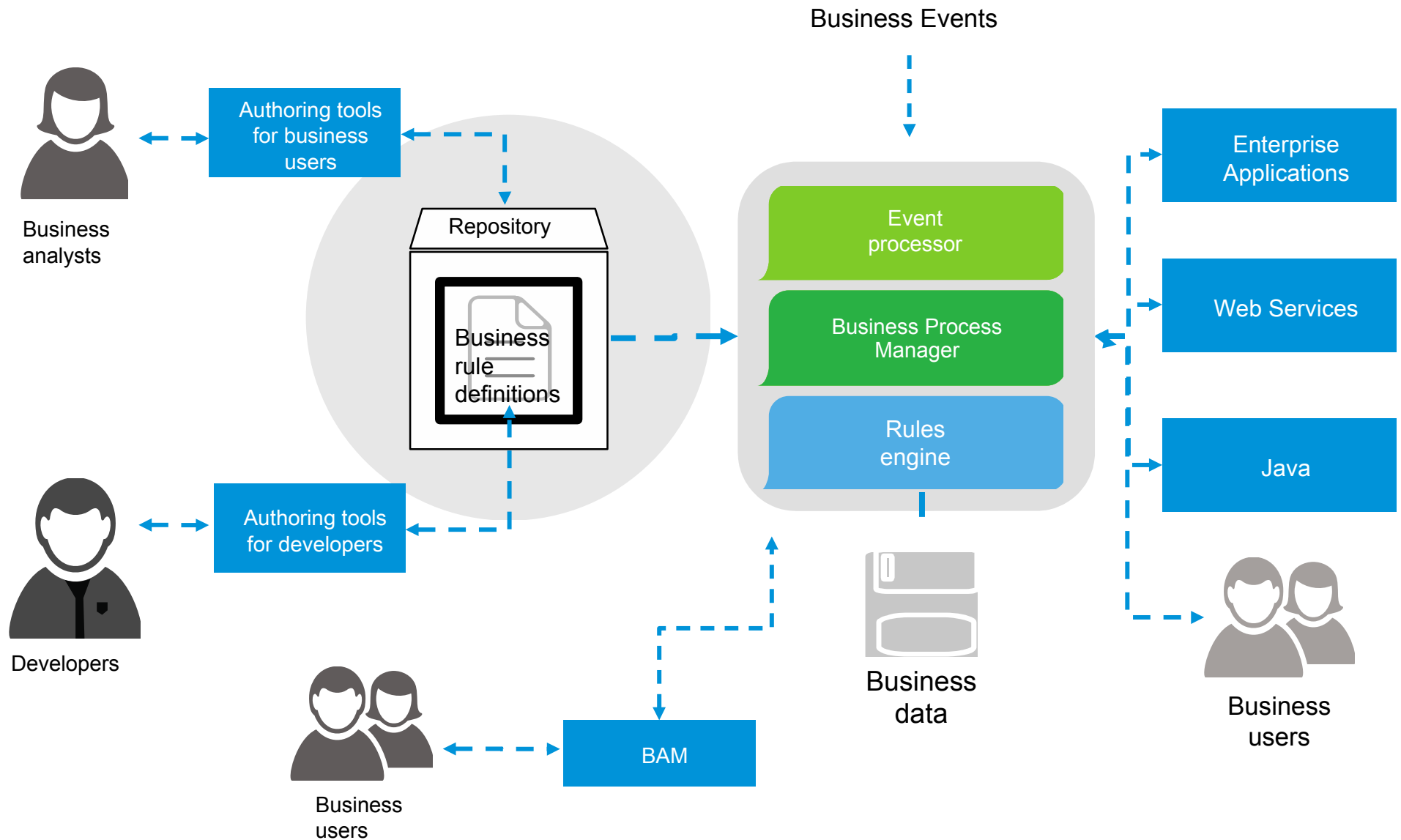


# Build the Enlightened Enterprise

## An Overview of the Mortgage Demo

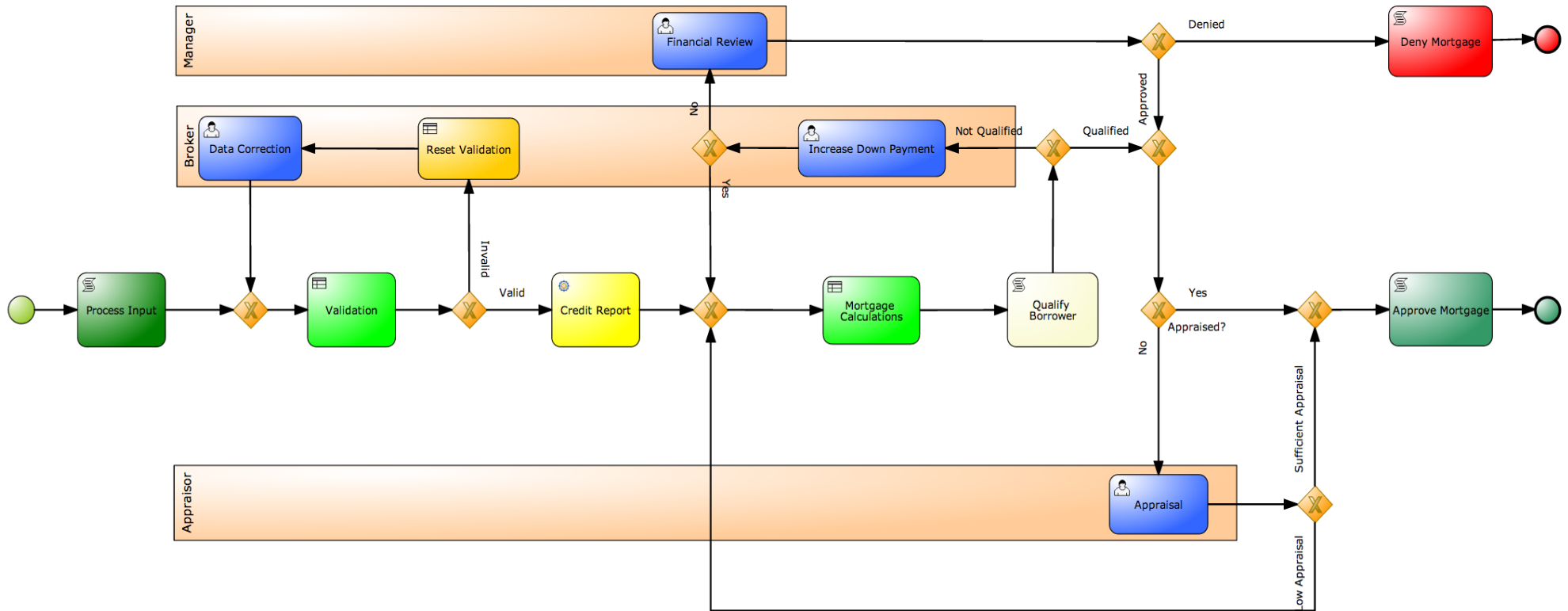
Powered by JBoss Enterprise Middleware -  
Red Hat JBoss BPM Suite

# JBoss BPM Suite Mortgage Demo Architecture



# JBoss BPM Suite Mortgage Demo

MortgageApplication v.1.0 (com.redhat.bpms.examples.mortgage.MortgageApplication)



# JBoss BPM Suite Mortgage Demo Installation

```
#####
##                                     ##
##  Setting up the Mortgage Demo      ##
##                                     ##
##                                     ##
##      ####  ####  #  #      ### #  # ##### ##### #####      ##
##      #  # #  # # # #  #  #  #  #  #  #  #  #  #  #  #      ##
##      ##### ##### #  #  #  #  #  #  #  #  #  #  #  #  #      ##
##      #  # #  #  #  #  #  #  #  #  #  #  #  #  #  #  #      ##
##      ##### #  #  #  #  #  #  ##### ##### #  #####      ##
##                                     ##
##                                     ##
##  brought to you by,                ##
##      Babak Mozaffari, Eric D. Schabell      ##
##                                     ##
##  git@github.com:eschabell/bpms-mortgage-demo.git      ##
##                                     ##
#####

EAP sources are present...

- creating the target directory...

Unpacking new JBoss Enterprise EAP 6...

Unpacking JBoss BPM Suite 6.0.0.GA...

- enabling demo accounts logins in application-users.properties file...
- enabling demo accounts role setup in application-roles.properties file...
- setting up standalone.xml configuration adjustments...
- making sure standalone.sh for server is executable...
- setting up demo projects...

Deploying web service that pulls out credit report of customer based on SSN...

You can now start the JBoss BPM Suite with ./target/jboss-eap-6.1/bin/standalone.sh

PRE-LOAD MORTGAGE DEMO
=====
To load the BPM with a set of process instances, you can run the following command
after you start JBoss BPM Suite, build and deploy the mortgage project, then you can
use the helper jar file found in the support directory as follows:

    java -jar jboss-mortgage-demo-client.jar erics bpmsuite

JBoss BPM Suite 6.0.0.GA Mortgage Demo Setup Complete.
```



# JBoss BPM Suite Mortgage Demo

RED HAT JBOSS BPM SUITE

Home Authoring Deploy Process Management Tasks Dashboards

Find User: erics

Explore New Item Tools Repository

Project Explorer

- Mortgages / MortgageApplication / MortgageApplication
- <default>
- com
- redhat
- bpm
- examples
- mortgage

BUSINESS PROCESSES

- MortgageApplication

FORM DEFINITIONS

- GUIDED DECISION TABLE
- GUIDED RULE

JAVA SOURCE FILES

WORK ITEM DEFINITIONS

Business Process [MortgageApplication]

Process Modelling Simulation Results

```
graph LR
    Start(( )) --> Input[Process Input]
    Input --> Validation[Validation]
    Validation --> Credit[Credit Report]
    Credit --> Calc[Mortgage Calculations]
    Calc --> Qualify[Qualify Borrower]
    Qualify --> D1{ }
    D1 -- Not Qualified --> Increase[Increase Down Payment]
    Increase --> Financial[Financial Review]
    Financial --> D2{ }
    D2 -- Denied --> Deny[Deny Mortgage]
    Deny --> End1(( ))
    D2 -- Approved --> D3{ }
    D3 -- Appraised? --> Appraisal[Appraisal]
    Appraisal -- Sufficient Appraisal --> Approve[Approve Mortgage]
    Approve --> End2(( ))
    Appraisal -- Low Appraisal --> Increase
    D3 -- No --> Qualify
```

Properties (BPMN-Diagram)

Name	Value
Core Properties	
AdHoc	false
Executable	true
Globals	
ID	com.redhat.bpm.examples.mortgage.MortgageApplic...
Imports	http://localhost:8080/jboss-mortgage-demo-ws/CreditS...
Package	com.redhat.bpm.examples.mortgage
Process Name	MortgageApplication
Variable Defi...	name:String,ssn:Integer,income:Integer,address:String...
Version	1.0
Extra Properties	
Documentati...	
Target Name...	http://www.omg.org/bpmn20
TypeLanguage	http://www.java.com/javaTypes
Simulation Properties	
Base Currency	
Base time unit	seconds

Business Process Metadata





# Build the Enlightened Enterprise

For more information, please visit  
<http://www.jboss.org/products>

*Demo project available at:*  
<http://github.com/eschabell/bpms-mortgage-demo>

Documentation available at:  
<https://access.redhat.com/site/products/JBoss>