

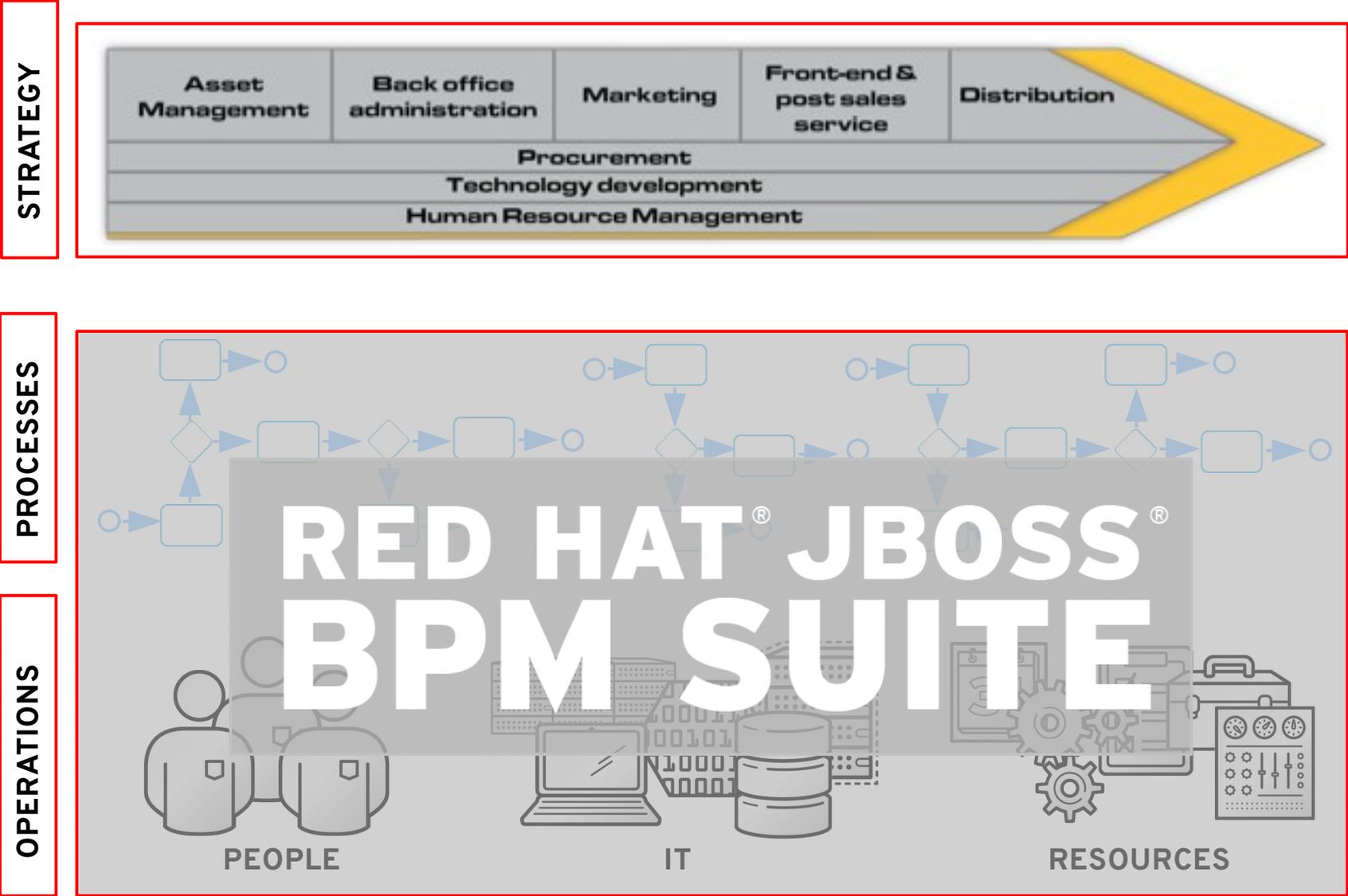


# Build the Enlightened Enterprise

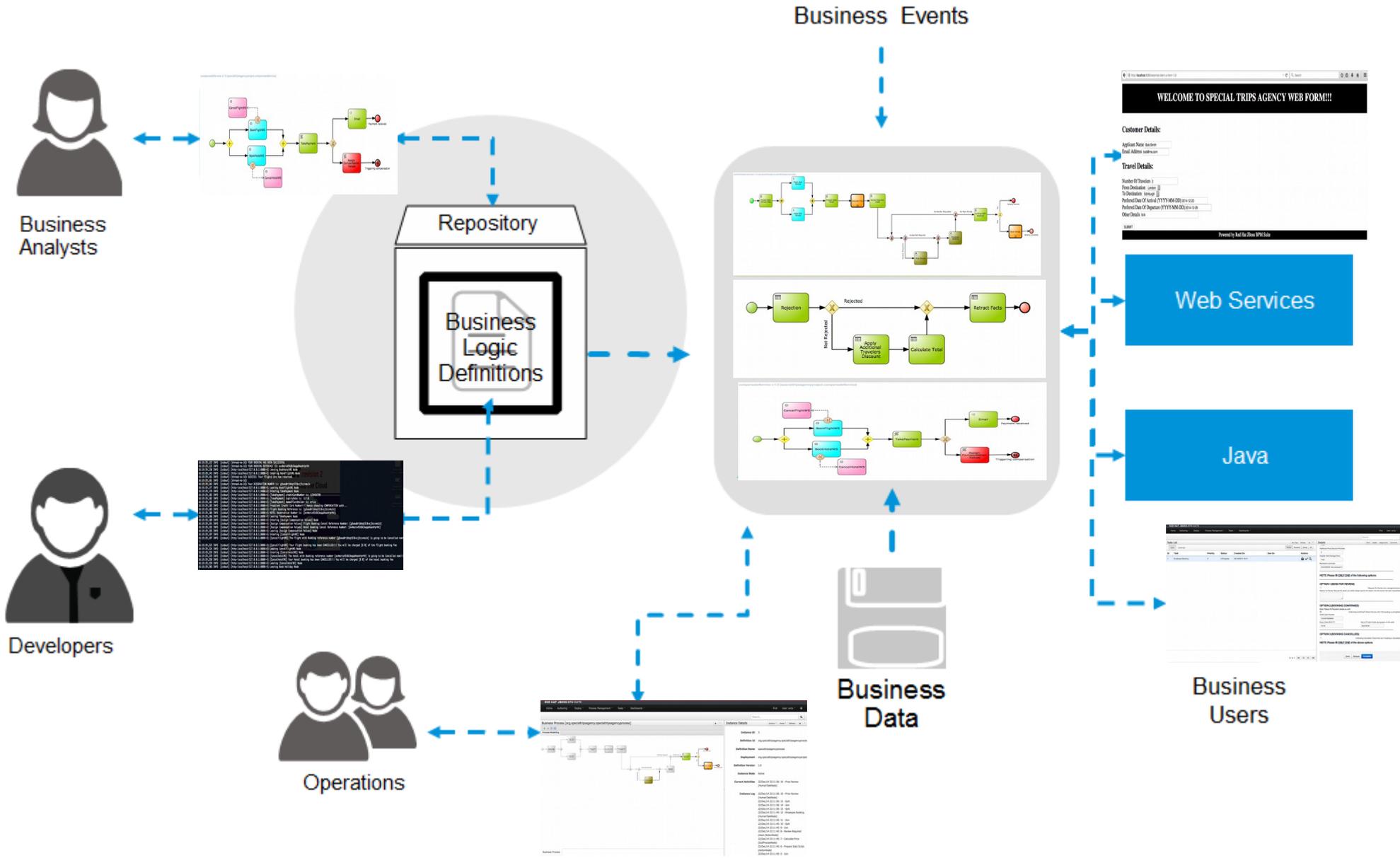
## An Overview of the Mortgage Demo

Powered by JBoss Enterprise Middleware -  
Red Hat JBoss BPM Suite

# JBoss Middleware becomes strategic



# Components in JBoss BPM Travel Agency project



# Value Proposition



Automate  
business operations  
with intelligent  
decision support



Optimize  
business operations  
with real-time BAM, analytics,  
simulation and recommendation



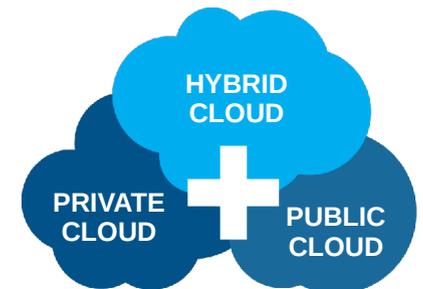
Accelerate  
application development  
with model-driven  
design and integration



Empower  
business users to  
take control of operations

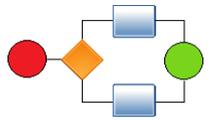


Collaborative working  
during the entire process life cycle  
and beyond the Enterprise



Deploy  
in the Cloud  
with BPM PaaS

# Capabilities Overview



## Processes

Create and deploy enterprise processes and applications through a model-driven composition environment and execution platform.



## Services

Integrate and interoperate your existing enterprise systems and web services in your business processes using JBoss SOA Platform and JBoss Fuse modern ESB.



## Rules

JBoss BRMS is included in JBoss BPM Suite to support the definition, management and execution of business rules by Business and IT users.



## Data

Data modeling tool that also enables participants to manipulate and manage data entities within running processes.



## Events

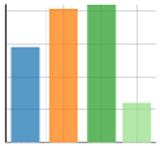
Handle events as first class citizens of the platform, dedicating an independent module to Manage Complex Event Processing (CEP).



## Forms

Forms modeling tool to build dynamic and interactive web forms using using a WYSIWYG drag-and-drop interface.

# Capabilities Overview



## Analytics

Build dashboards that deliver real-time business activity monitoring (BAM) and reporting with personalized information, measure and analyze key indicators to track process performance to make quick and effective decisions.



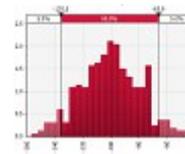
## Assets

Pluggable multi-dimensional repository for knowledge representation of processes, rules, data and services to facilitate reusability, change management, governance and compliancy.



## Execution

Integrated execution environment with separates engines for processes, tasks, events and rules. Deploy in different application servers, on-premise or in cloud.



## Simulation

Establish, execute and analyse different simulation scenarios. Identify bottlenecks. Decide what are the optimal parameters and thresholds for your processes. Make effective recommendations.



## Workspace

The execution environment provides a Rich User Interface (RUI) or Portal that centralize user participation, attending alerts and triggers, and notifying actions to each role across the entire process lifecycle.

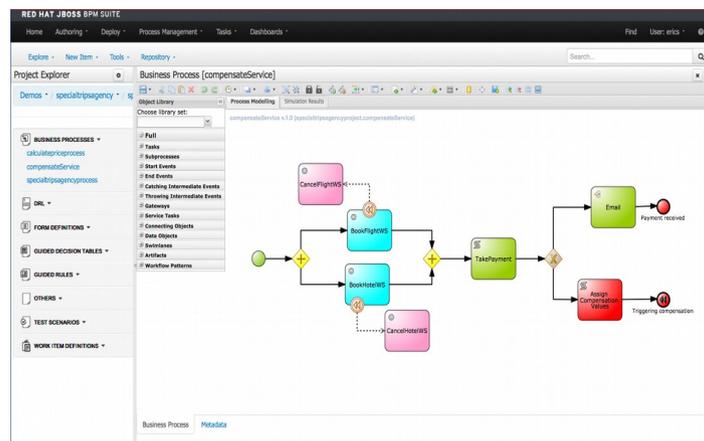


## Development

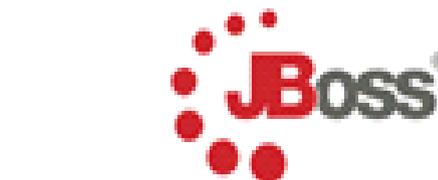
JBoss Workbench IDE lets developers easily extend, build and integrate process-based applications.

# Full BPM lifecycle support

## Modeling & Simulation



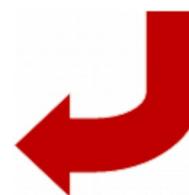
## Integration & Deployment



## Continuous Improvement



## Monitoring & Analysis



## Execution & Management

# JBoss BPM Suite Mortgage Demo

RED HAT JBOSS BPM SUITE

Home - Authoring - Deploy - Process Management - Tasks - Dashboards - Extensions - Find User: erics

Explore - New Item - Repository - Search...

Project Explorer: Demos / Mortgages / MortgageApplication

Open Project Editor

MortgageApplication.bpmn2 - Business Processes

Process Modelling Simulation Results

The diagram illustrates a mortgage application process. It starts with a start event leading to a task 'Validation'. A decision gateway follows, with a 'Valid' path leading to 'Credit Reports' and a 'Not Valid' path leading to 'Troubleshoot'. From 'Credit Reports', a 'Yes' path leads to 'Mortgage Calculations' and a 'No' path leads to 'Financial Review'. 'Mortgage Calculations' leads to 'Quality Borrower'. A decision gateway follows 'Quality Borrower' with 'Qualified' and 'Not Qualified' paths. 'Not Qualified' leads to 'Increase Down Payments', which then leads to 'Reset Validation' and 'Data Correction' tasks. 'Reset Validation' and 'Data Correction' lead to another decision gateway. The 'Qualified' path from 'Quality Borrower' leads to an 'Appraised?' decision gateway. 'Appraised?' has 'Yes' and 'No' paths. 'No' leads to 'Appraisal', which then leads to a decision gateway for 'Sufficient Appraisal'. 'Sufficient Appraisal' has 'Low Appraisal' and 'Sufficient Appraisal' paths. 'Low Appraisal' leads to 'Increase Down Payments'. 'Sufficient Appraisal' leads to 'Approve Mortgage'. 'Approved' from the 'Appraised?' gateway leads to another decision gateway with 'Approved' and 'Denied' paths. 'Approved' leads to 'Approve Mortgage', and 'Denied' leads to 'Deny Mortgage'.

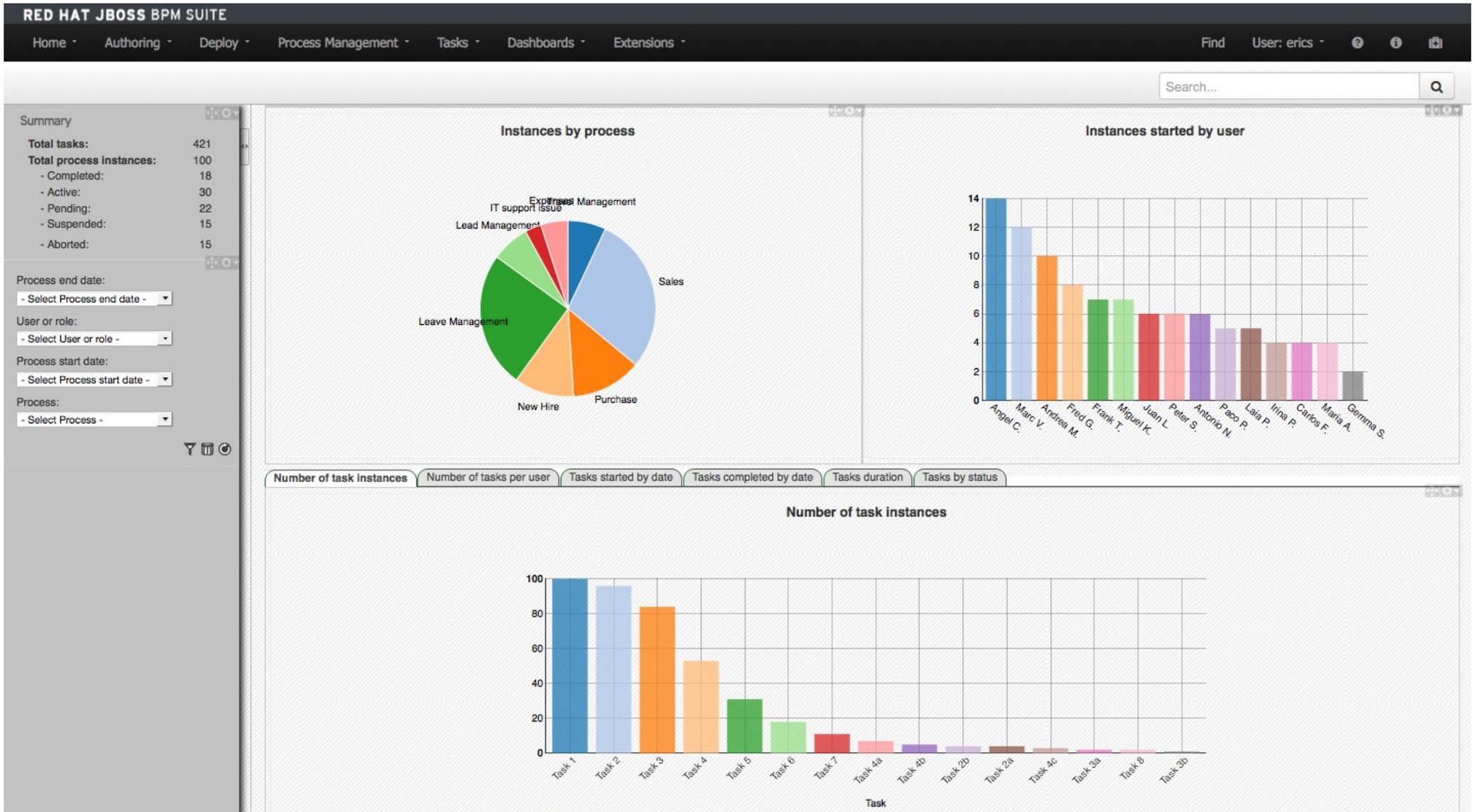
Editor Overview

Messages

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# JBoss BPM Suite Mortgage Demo





# Build the Enlightened Enterprise

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

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

