RED HAT® JBOSS®
MIDDLEWARE

RED HAT JBOSS BPM SUITE 6

DATASHEET

FEATURES

- Cloud-ready architecture
- Rich, standards-based APIs
- Pluggable repository
- Native BPMN2 modeling, simulation, and execution of business processes
- Advanced business activity monitoring dashboards and reports
- Embeddable, scalable business process and rules server

BENEFITS

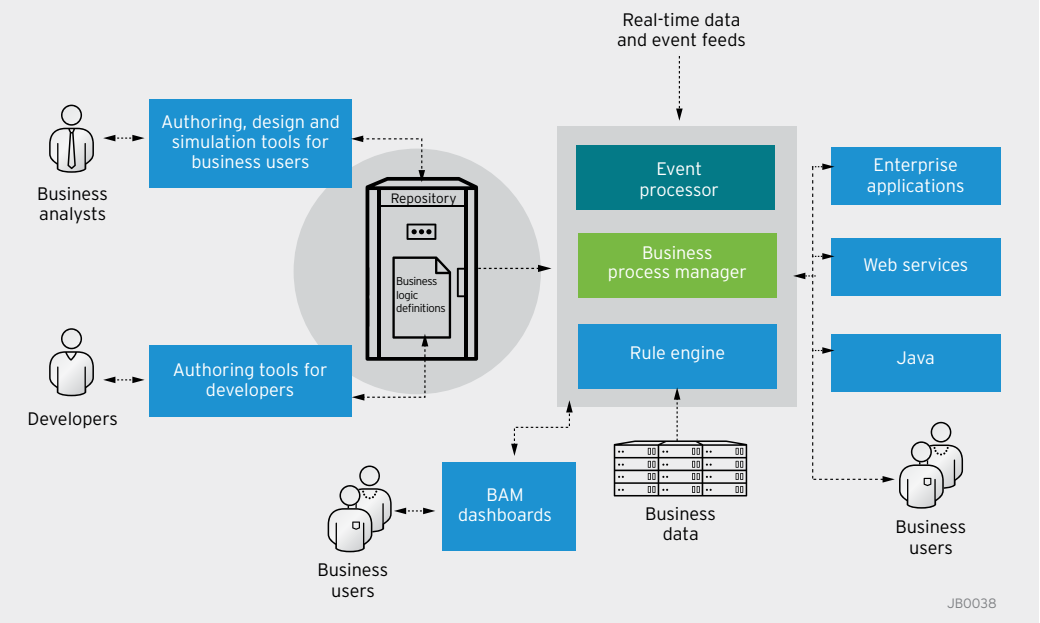
- Automated business operations
- Continuous optimization of business processes
- Accelerated development
- Business process and decision logic separated from application code
- Greater business agility, shorter development cycles and faster time to market

INTELLIGENT BUSINESS PROCESS MANAGEMENT FOR THE ENTERPRISE

PRODUCT OVERVIEW

Red Hat® JBoss® BPM Suite combines business process management (BPM), business rules management (BRM), and complex event processing (CEP) technologies into a single, integrated, open source platform. It includes all the capabilities of Red Hat JBoss BRMS, along with comprehensive support for business process modeling, execution and monitoring. It enables users to capture business policies and procedures, automate business operations, and measure the results of business activities across heterogeneous environments including physical, virtual, mobile, and cloud. JBoss BPM Suite includes easy-to-use graphical tools that foster collaboration between IT and business users and provide better visibility into the rules and procedures that govern business applications. The result is improved business agility, increased operational efficiency, and faster time to market.

JBoss BPM Suite lets project stakeholders collaborate to build sophisticated business automation solutions with a choice of modeling tools, including a web-based authoring environment for business experts and an Eclipse plug-in for developers. A rich set of easy-to-use tools for process and decision management covers the full process life cycle – modeling, simulation, testing, deployment, monitoring, and optimization. Process and decision logic can be modeled and automated together, without the need to learn multiple tools or develop custom integrations between disparate environments.



Red Hat JBoss BPM Suite

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FEATURES

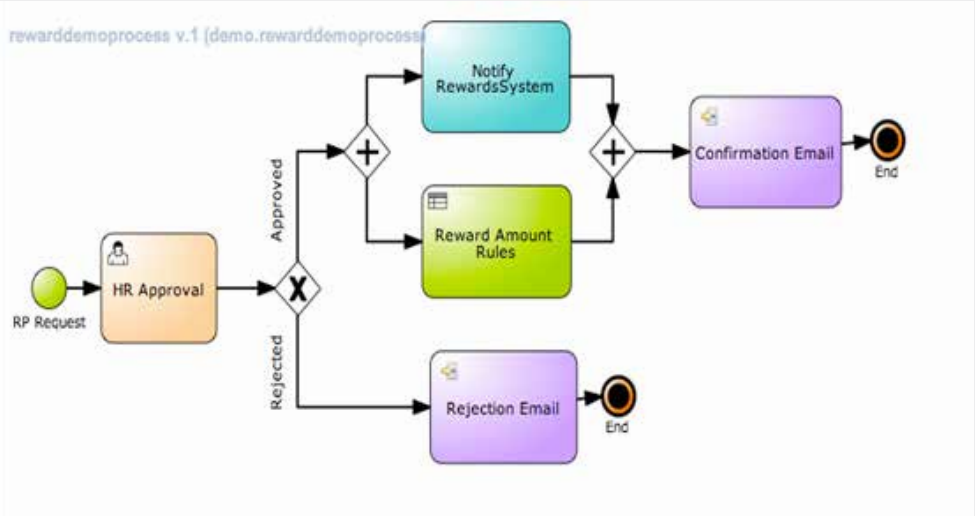
JBoss BPM Suite comprises a powerful business process automation engine, a rules engine with CEP extensions, easy-to-use authoring tools, and a standards-based repository for business logic definitions.

Business process engine: Red Hat JBoss BPM Suite's process engine is based on the jBPM JBoss Community project and supports native BPMN 2.0 execution. A task service compliant with the WS-HumanTask specification is provided for tasks that need to be performed by human actors. The process engine offers uniquely flexible deployment options and can be deployed as a standalone or clustered process server accessed via REST, Java™, and JMS APIs, or can be embedded directly within Java applications.

Rules engine: A fast and highly tuned rules engine provides decision services for client applications, evaluating business data against relevant rules to arrive at appropriate conclusions. JBoss BPM Suite implements the full ReteOO algorithm, with extensions that provide CEP capabilities, enabling detection and awareness of real-time business events. In JBoss BPM Suite, business rules and processes are tightly integrated, allowing applications that use both features to be created with ease.

Tools for business: JBoss BPM Suite includes easy-to-use, web-based tools for business users to manage the complete project life cycle:

- Business process modeling with drag & drop BPMN2 diagramming and a powerful forms designer
- Business rules management with decision tables, scorecards, and a guided rule editor that supports business-friendly Domain Specific Languages (DSL)
- Simulation and optimization of business processes with BP-Sim compliant graphical tooling
- Business activity monitoring (BAM), with flexible BAM dashboards created with the dashboard designer



Drag and drop BPMN2 diagramming

Tools for Developers: JBoss BPM Suite is fully integrated with Eclipse-based development environments, such as Red Hat JBoss Developer Studio. Included are plugins that enable developers to easily manage process and rule definitions and integrate them with custom Java code and external information systems. Artifacts produced by JBoss BPM Suite are fully compatible with typical software development life cycles and development tools like Maven and Jenkins.

Repository: JBoss BPM Suite includes a repository based on the popular git source code management system. The repository supports comprehensive and user-definable metadata for categorization of stored assets, along with fine-grained user access controls and version control for rules and process models. It is accessible through the included authoring tools and from other applications via Java and REST APIs.

SUPPORTED PLATFORMS

Find a list of platforms on which JBoss BPM Suite will run on our website product page at **redhat.com/bpm-suite.**

ABOUT RED HAT

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux, and middleware technologies. Red Hat also offers award-winning support, training, and consulting services. Red Hat is an S&P company with more than 70 offices spanning the globe, empowering its customers' businesses.

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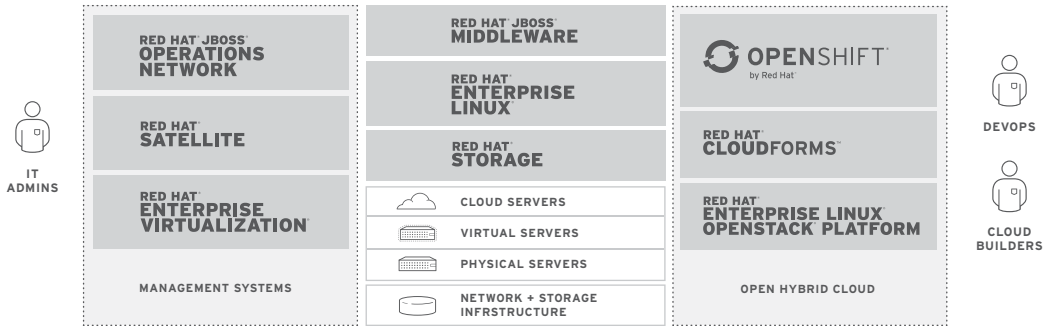

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