INTELLIGENT BUSINESS PROCESS MANAGEMENT FOR THE ENTERPRISE

DATASHEET

FEATURES

- Cloud-ready architecture

- Rich, standards-based APIs

- Pluggable repository

- Native BPMN 2.0 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

PRODUCT OVERVIEW

Red Hat® JBoss® BPM Suite combines business process management (BPM), business rules management (BRM), business resource planning, 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. Red Hat 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.

FEATURES

Red Hat 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—from modeling, simulation, and testing to 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 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.

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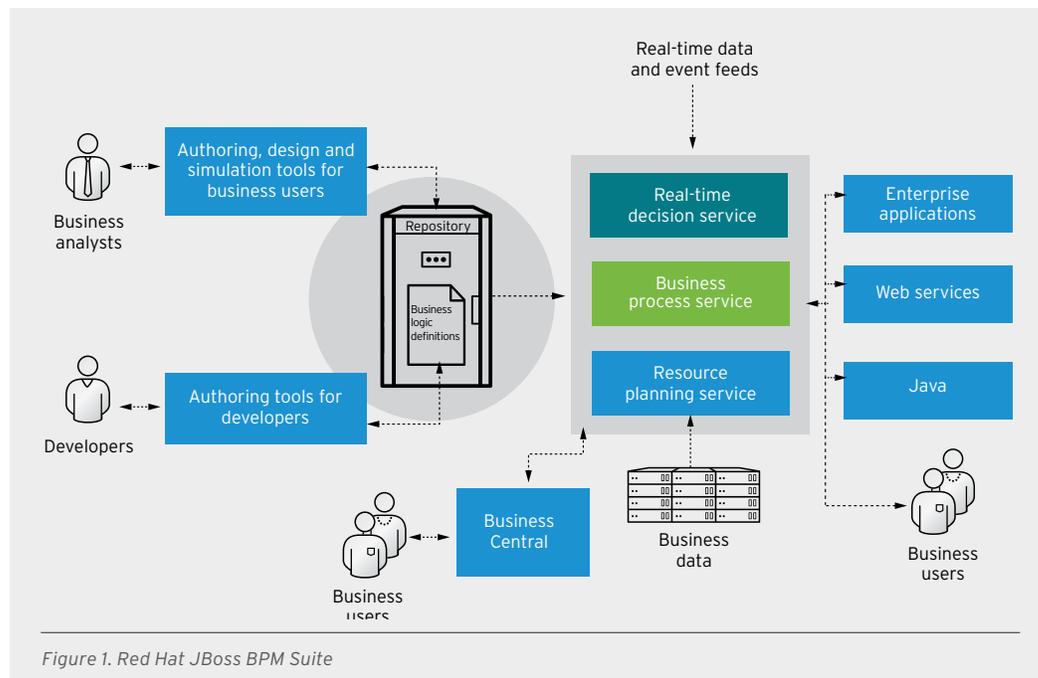linkedin.com/company/red-hat

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Figure 1. Red Hat JBoss BPM Suite

BUSINESS PROCESS SERVICE

Red Hat JBoss BPM Suite's process service is based on the jBPM JBoss community project and supports native BPMN 2.0 execution with extensions for dynamic case management workflows. A task service compliant with the WS-HumanTask specification is provided for tasks that need to be performed by human actors. The process service offers uniquely flexible deployment options and can be deployed within a standalone or clustered process server–accessed via REST, Java™, and Java Message Service (JMS) application program interfaces (APIs)–or can be embedded directly within Java applications.

REAL-TIME DECISION SERVICE

A fast, highly tuned rules engine, based on the Drools community project, provides decision services for client applications, evaluating business data against relevant rules to arrive at appropriate conclusions. In Red Hat JBoss BPM Suite, business rules and processes are tightly integrated for easy creation of applications that use both features.

RESOURCE PLANNING SERVICE

Red Hat JBoss BPM Suite includes services designed to help Java developers construct applications that solve complex scheduling and resource optimization problems. This resource planning service is based on the OptaPlanner community project and uses the rules service to quickly solve difficult, time-consuming, and expensive optimization problems–such as allocating constrained resources to tasks as needed in shift planning, delivery route planning, supply chain optimization, and similar problems found in many industries. As knowledge of optimization techniques is not required to use the planner, IT organizations can easily deliver optimized business solutions without specialized expertise or tools.
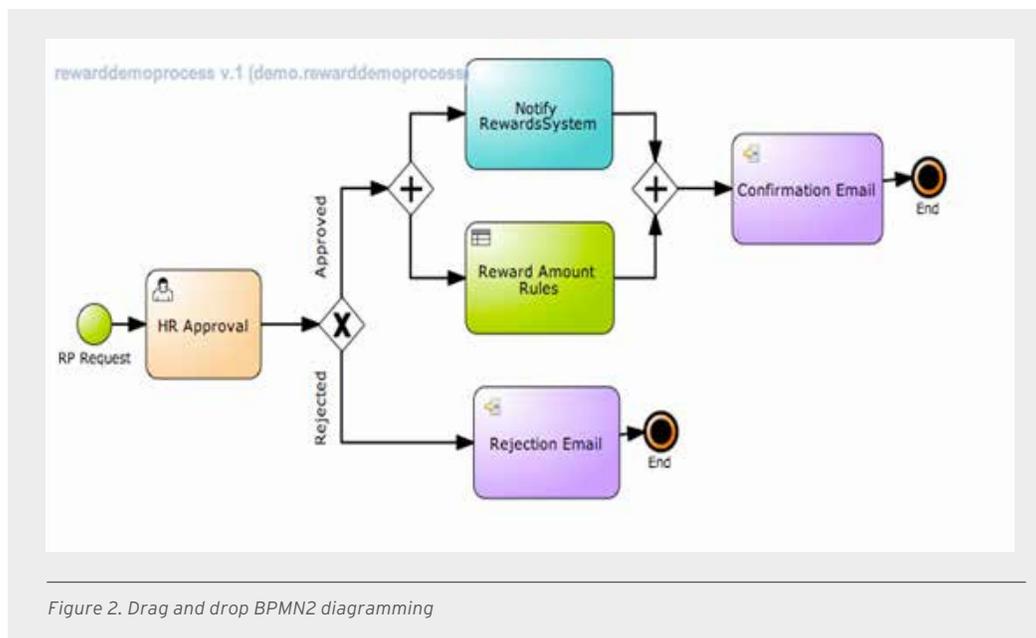
Figure 2. Drag and drop BPMN2 diagramming

BUSINESS TOOLS

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

- **Business process modeling** with drag & drop BPMN 2.0 diagramming and a powerful forms designer.

- **Business rules management** with decision tables, decision trees, scorecards, and a guided rule editor that supports business-friendly Domain Specific Languages (DSL).

- **Simulation and optimization** of business processes with BPSim compliant graphical tooling.

- **Monitoring and participation** in business processes through a comprehensive web-based environment, including Business Activity Monitoring (BAM) with real-time dashboards as well as a flexible task list and forms interface for process participants.
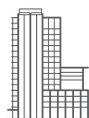
DEVELOPER TOOLS

Red Hat JBoss BPM Suite is fully integrated with Eclipse-based development environments, such as Red Hat JBoss Developer Studio. Plug-ins are included that help developers easily manage process and rule definitions and integrate them with custom Java code and external information systems. Artifacts produced by Red Hat JBoss BPM Suite are fully compatible with typical software development life cycles and development tools, such as Maven and Jenkins.

REPOSITORY

Red Hat JBoss BPM Suite includes a repository based on Git, the widely used source code management system. The repository supports comprehensive and user-definable metadata for categorization of stored assets, as well as fine-grained user access controls and version control for rules and process models. Red Hat JBoss BPM Suite 6 supports governance workflows to ensure compliance with formal change management policies as rules are modified or moved between development, test, and production repositories.Supported platforms

SUPPORTED PLATFORMS

For a list of supported platforms on which Red Hat JBoss BPM Suite will run, visit redhat.com/bpmsuite.

ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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