

RED HAT JBOSS BRMS 6

DATASHEET

FEATURES

- Cloud-ready architecture
- Rich, standards-based APIs
- Pluggable repository with comprehensive access controls and life cycle management
- Powerful toolsets for both business and IT users
- Embeddable, high performance rules engine

BENEFITS

- Automated business decisions
- Accelerated development with simpler business logic
- Business rules separated from application code
- Shorter development cycles and faster time to market.

POWERFUL BUSINESS RULES AND BUSINESS EVENT MANAGEMENT

PRODUCT OVERVIEW

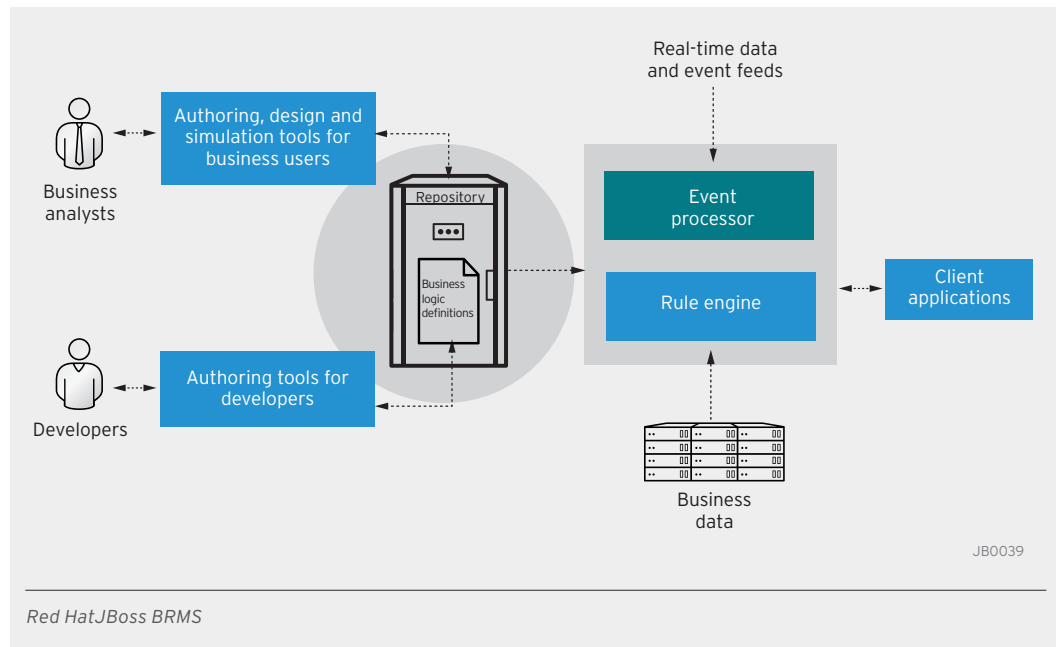
Red Hat® JBoss® BRMS is a powerful open source business rules management system (BRMS) that also includes business resource planning and complex event processing (CEP) technology. It helps organizations capture business logic and automate business decisions across heterogeneous environments including physical, virtual, mobile, and cloud.

With JBoss BRMS, organizations can incorporate sophisticated decision logic into line-of-business applications, confident that they can keep abreast of the rapid pace of change in market conditions and regulations. JBoss BRMS enables decision logic to be separated from program code and defined in simple, declarative, business-friendly terms, making it far easier and more efficient to implement, manage, audit, and change.

With a choice of modeling tools, including a web-based authoring environment for business experts and an Eclipse plug-in for developers, project stakeholders can collaborate effectively to build sophisticated business automation solutions. The result is improved business agility, consistent and efficient decision execution, shorter development cycles, and faster time to market.

FEATURES

JBoss BRMS brings together a powerful rules engine with CEP extensions, an optimization engine, easy-to-use authoring tools, and a standards-based repository for rule definitions.



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Rules engine: The fast and highly tuned rules engine provides decision services for client applications, evaluating business data against relevant rules to arrive at appropriate conclusions – for example, by applying adjudication rules to an insurance claim to determine eligibility, or applying regulatory rules to a business transaction to insure compliance. JBoss BRMS implements the full ReteOO algorithm, with extensions that provide complex event processing capabilities, enabling detection and awareness of real-time business events. The JBoss BRMS rule engine offers uniquely flexible deployment options and can be deployed as a centralized rules service accessed via REST, Java™, or JMS APIs, or can be embedded directly within a Java application.

Authoring tools: JBoss BRMS includes authoring tools that embrace both business experts and application developers. For business experts, the web-based authoring interface provides a powerful suite of easy-to-use features, including decision tables, domain-specific rule languages, and guided rule editing for fast, easy rule creation and management. Rules can also be authored offline with tools such as Microsoft Excel and OpenOffice Calc. For developers, a plugin is provided for Red Hat JBoss Developer Studio that allows easy integration of rule-based applications with Java code and external information systems.

Decision table						
#	Description	no-loop	Min Score	Max Score	PriceDiscount	
1	bad credit	<input checked="" type="checkbox"/>	0	400	0	
2	good credit	<input checked="" type="checkbox"/>	400	600	10	
3	very good credit	<input checked="" type="checkbox"/>	600	700	25	
4	excellent credit	<input checked="" type="checkbox"/>	700	800	50	

Decision tables for rule editing

Repository: JBoss BRMS 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.

Business resource planner: JBoss BRMS includes a unique toolkit designed to help Java developers construct applications that solve complex scheduling and resource optimization problems. Business resource planner is based on the OptaPlanner community project and uses BRMS to quickly find good solutions to problems that are otherwise extremely difficult, time-consuming and expensive to solve. No specific knowledge of optimization techniques is required in order to use the planner, making it easy for IT organizations to deliver optimized business solutions without the need for specialized expertise and tools.

SUPPORTED PLATFORMS

Find a list of platforms on which JBoss BRMS will run on our website product page at redhat.com/brms.



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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