

RED HAT JBOSS BRMS 6

Powerful business rules and event management

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.

PRODUCT OVERVIEW

Red Hat® JBoss® BRMS is a powerful open source business rules management system (BRMS). It helps organizations capture business logic and automate business decisions across heterogeneous physical, virtual, mobile, and cloud environments.

With Red Hat 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. Red Hat JBoss BRMS enables decision logic to be separated from program code and defined in simple, declarative, business-friendly terms, making it 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

Red Hat JBoss BRMS brings together a powerful rules engine with extensions for complex event processing (CEP), a business resource optimization engine, easy-to-use authoring tools, and a standards-based repository for rule definitions.

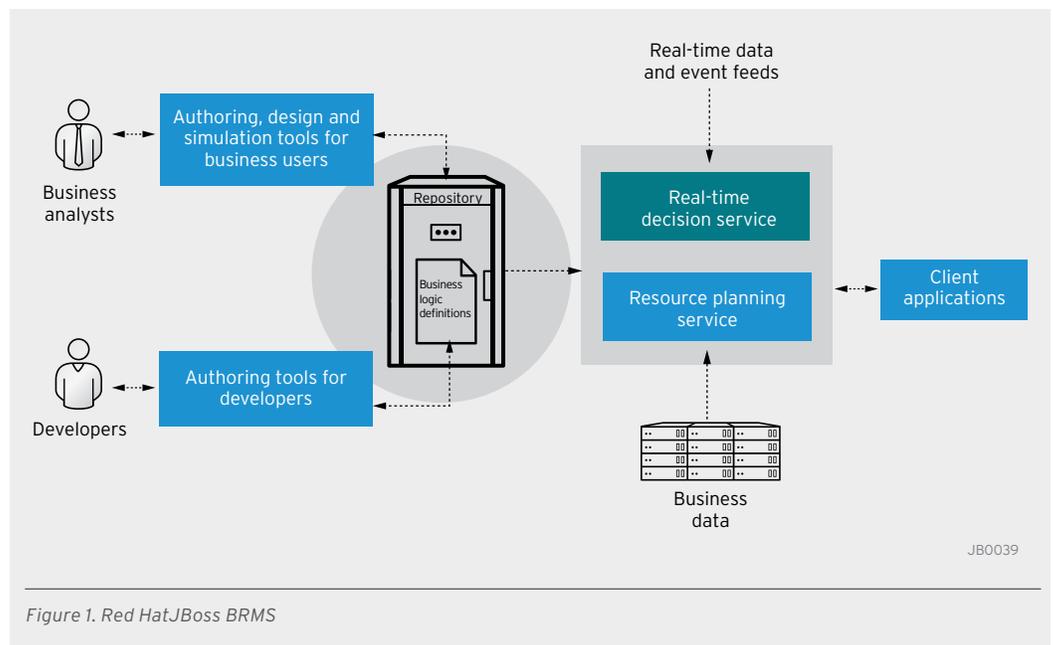


Figure 1. Red Hat JBoss BRMS



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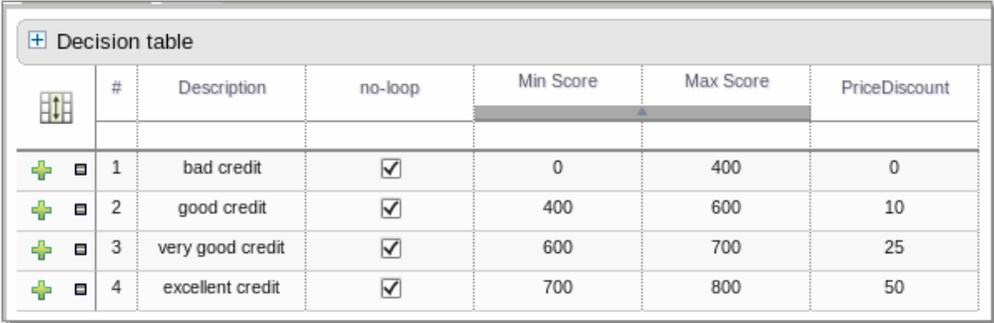
REAL-TIME DECISION SERVER

Red Hat JBoss BRMS provides decision services for client applications. The real-time decision server evaluates 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. Red Hat 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 Red Hat JBoss BRMS decision server offers uniquely flexible deployment options and can be deployed as a centralized rules service accessed via REST, Java™, or Java Message Service (JMS) application program interfaces (APIs), or can be embedded directly within a Java application.

AUTHORING TOOLS

Red Hat 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 for quick rule creation and management, including decision tables (Figure 2), decision trees, scorecards, domain-specific rule languages, and guided rule editing. Rules can also be authored offline with tools such as Microsoft Excel and OpenOffice Calc.
- For developers, a plug-in is provided for Red Hat JBoss Developer Studio for easy integration of rule-based applications with Java code.



+ 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

Figure 2. Example decision table for rule editing

REPOSITORY

Red Hat JBoss BRMS 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 BRMS 6 supports governance workflows to ensure compliance with formal change management policies as rules are modified or moved between development, test, and production repositories.

BUSINESS RESOURCE PLANNER

Red Hat JBoss BRMS includes services to help Java developers construct applications that solve complex scheduling and resource optimization problems. This business resource planner is a runtime service based on the OptaPlanner community project. It uses BRMS 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.

SUPPORTED PLATFORMS

For a list of supported platforms on which Red Hat JBoss BRMS will run, visit redhat.com/brms.



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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