

RED HAT DECISION MANAGER 7

Powerful business rules and event management

DATASHEET

FEATURES

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

BENEFITS

- Automated business decisions
- Accelerated development with business-friendly user interface
- Business rules separated from application code
- Simple configuration and management as embedded APIs or scalable containers using Red Hat OpenShift
- Powerful resource and scheduling optimization
- Shorter development cycles and faster time to market

PRODUCT OVERVIEW

Red Hat® Decision Manager 7 is a powerful, scalable open source business rules management system that also includes business resource planning and complex event processing (CEP) technology. It helps organizations capture business logic and develop applications that automate business decisions. Red Hat Decision Manager 7 is fully compatible with Red Hat's middleware portfolio and with Red Hat OpenShift Container Platform for deployment in hybrid cloud environments.

With Red Hat Decision Manager 7, organizations can incorporate sophisticated decision logic into line-of-business applications with confidence, keeping them ahead of changes in market conditions and regulations. Red Hat Decision Manager 7 separates decision logic from program code and defines it 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 Decision Manager 7 brings together a powerful, scalable rules engine with extensions for CEP, a business resource optimization engine, easy-to-use authoring tools, and a standards-based repository for rule definitions.

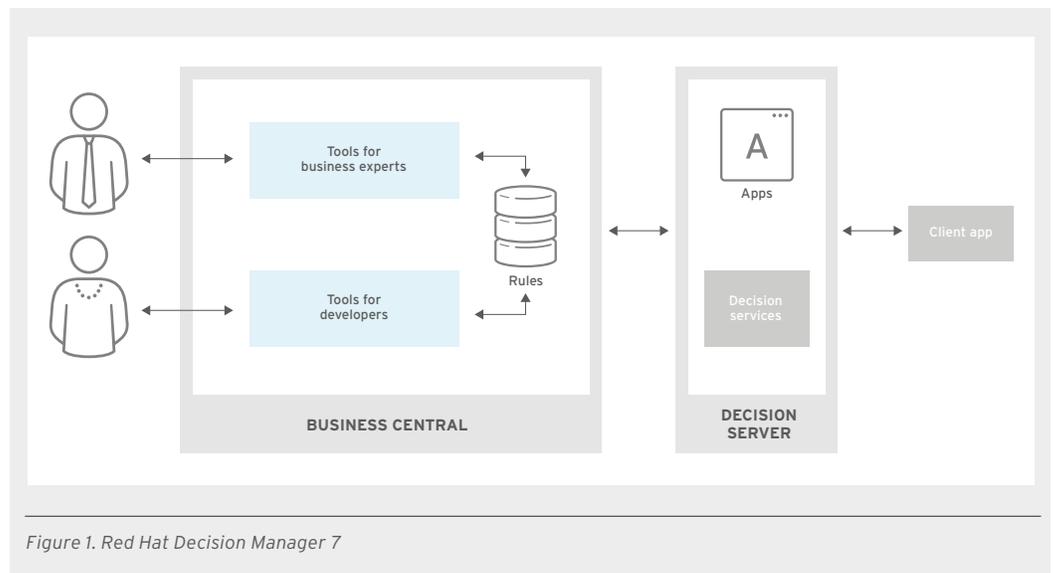


Figure 1. Red Hat Decision Manager 7



facebook.com/redhatinc
@redhatnews
linkedin.com/company/red-hat

DECISION SERVER

Red Hat Decision Manager 7 provides decision services for client applications. The decision server evaluates business data against relevant rules to arrive at appropriate conclusions—for example, applying adjudication rules to an insurance claim to determine eligibility or applying regulatory rules to a business transaction to ensure compliance. Red Hat Decision Manager 7 offers a choice of highly efficient inference algorithms, with extensions that provide complex event processing capabilities and detect real-time business events. New with version 7, the decision server fully supports execution of decision logic expressed in the Object Management Group (OMG) standard decision model and notation language (DMN).

The decision server offers flexible deployment options and can be deployed within a Linux® container on Red Hat OpenShift Container Platform, as a standalone service accessed via REST, Java™, or Java Message Service, or can be embedded directly within a Java application.

AUTHORING TOOLS

Red Hat Decision Manager 7 includes authoring tools optimized for both business experts and application developers:

- **For business experts**, the web-based authoring environment, Business Central, can be hosted on Red Hat OpenShift or on-premise. It provides a powerful suite of easy-to-use features using a business vocabulary 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 Microsoft Excel.
- **For developers**, a plug-in is provided for Red Hat JBoss® Developer Studio for easy integration of rule-based applications with Java code.

Pricing loans		Application : LoanApplication				Income : IncomeSource	Loan approved	LMI	Rate
#	Description	Amount min	Amount max	Period	Deposit max	Income			
1		131000	200000	30	20000	Asset	True	0	2
2		10000	100000	20	2000	Job	True	0	4
3		100001	130000	20	3000	Job	True	10	6

Figure 2. Example decision table for rule editing

REPOSITORY

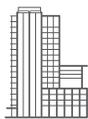
Red Hat Decision Manager 7 includes a repository based on Git, the widely used source code management system. The repository supports comprehensive and user-definable metadata for categorization of stored assets, as well as fine-grained user access controls and version control for rules and process models. Red Hat Decision Manager 7 supports governance workflows to ensure compliance with formal change management policies as rules are modified or moved between development, test, and production repositories.

RESOURCE OPTIMIZATION SERVICES

Red Hat Decision Manager 7 includes tools and services to help Java developers construct applications that solve complex scheduling and resource optimization problems. These problems—such as shift planning, delivery route planning, and supply chain optimization—are typically difficult, time-consuming, and expensive to solve. Knowledge of advanced optimization techniques is not required to use these tools, so IT organizations can easily deliver optimized business solutions without specialized expertise.

SUPPORTED PLATFORMS

For a list of supported platforms on which Red Hat Decision Manager 7 will run, visit redhat.com/Decision-Manager.



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.



facebook.com/redhatinc
@redhatnews
linkedin.com/company/red-hat

NORTH AMERICA
1 888 REDHAT1

**EUROPE, MIDDLE EAST
AND AFRICA**
00800 7334 2835
europe@redhat.com

ASIA PACIFIC
+65 6490 4200
apac@redhat.com

LATIN AMERICA
+54 11 4329 7300
info-latam@redhat.com