

BEHAVIOR-DRIVEN DEVELOPMENT: AGILE TESTING WITH RED HAT JBOSS BRMS

DATASHEET

RED HAT CONSULTING SPEEDS JBOSS BRMS DEVELOPMENT WITH AGILE TESTING AND BDD

- Increase speed to market because business analysts and software developers use the same tools.
- Reduce the gap between what the business wants and what IT delivers.
- Applications are cost-effective to maintain because complexity is reduced.

FEATURES

- Cost-effective, open source architecture based on Red Hat JBoss Middleware
- BRMS provides a single lightweight, integrated, embeddable engine for all rules, processes and events
- Freedom from vendor lock-in with distributed, mobile, and cloud-based deployments

SOLUTION SUMMARY

Deliver the right product to market faster with business rules management from Red Hat® JBoss® BRMS and behavior-driven development (BDD), a software development process suited to the development of rules solutions. Red Hat Consulting helps you combine the features of JBoss BRMS with BDD methodology to create an intelligent, integrated enterprise.

SPEED DEVELOPMENT THROUGH COLLABORATION

Business leaders and application developers need to be able to model, automate, measure, and improve critical processes and policies. Red Hat JBoss BRMS fully integrates business rules management, business process management (BPM), and complex event processing (CEP) to make seamless business management possible.

When designing and developing rules-based applications, you must accommodate change and avoid feature decay. Systems must align with changing requirements brought on by competitive pressures, increased demands for regulatory compliance, and technological advancements. As companies strive to keep pace with emergent technologies, software release needs to be fast and frequent. Behavior-driven development encourages subject matter experts, testers, and developers to come together to create concrete examples that specify the behavior of a system.

BDD and specification by example—also known as acceptance test-driven development (ATDD)—are part of the Agile software development methodology used by Red Hat Consulting. When applied to JBoss BRMS, BDD helps ensure predictable and productive processes. This allows clients to improve speed to market, reduce risk, and sustain quality while migrating to Red Hat JBoss BRMS.

Red Hat JBoss Middleware helps delivery teams to turn these scenarios into functional tests, automate the tests in a continuous integration process flow, then display the scenarios as living documentation via any web browser. These scenarios become functional specifications that will verify the application each time a change is made.

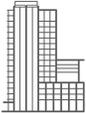
A COMMON LANGUAGE WITH BEHAVIOR-DRIVEN DEVELOPMENT AND RED HAT JBOSS BRMS

Red Hat Consulting, using BDD concepts, provides automated tests using a ubiquitous language, a central theme of both DDD and BDD shared among developers and business experts. Red Hat Consulting teaches software delivery teams to develop and document requirements in language familiar to the customer.

Red Hat JBoss BRMS then helps delivery teams use this language to model the domain with Plain Old Java Objects (POJOs), business rules, and business process management. This method of customer collaboration is central to agile frameworks and helps align delivered software with the emerging requirements of the customer.

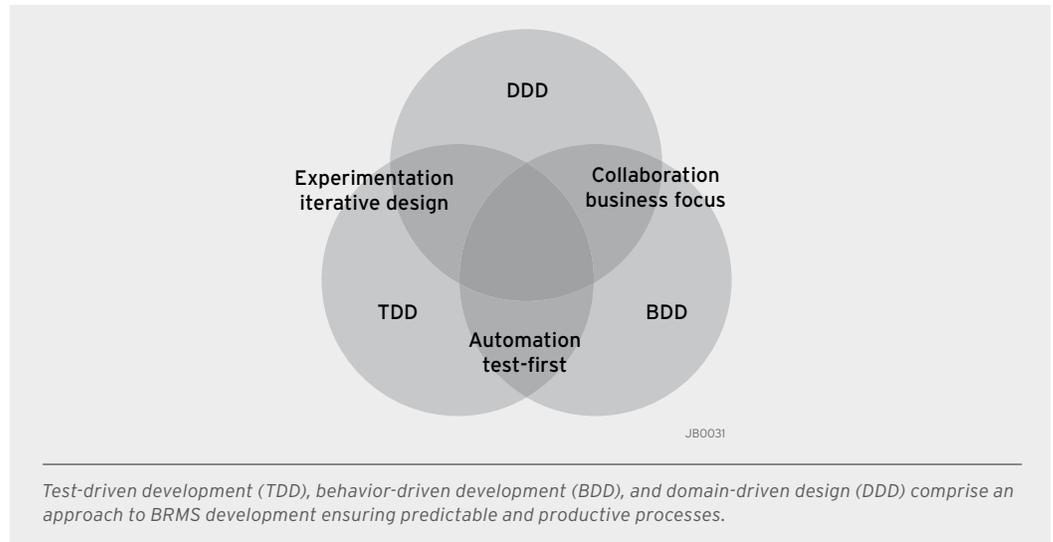


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ABOUT RED HAT

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.

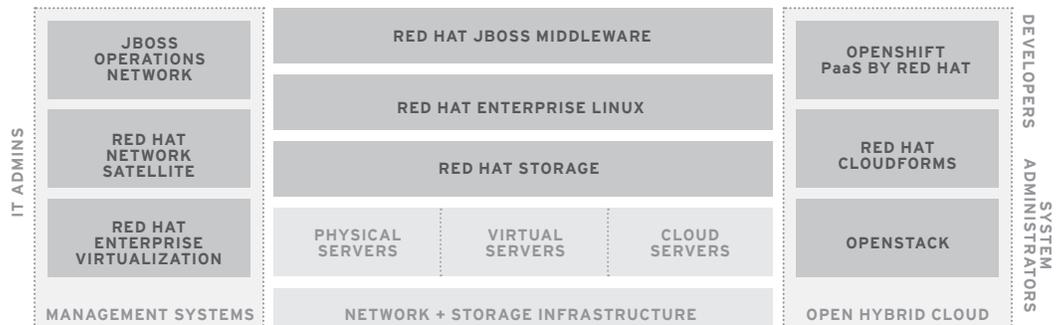


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