

Course JB465: Implementing with Red Hat JBoss BRMS

Length	: 4 Day
Audience(s)	: Business Analysts and enterprise SOA Architects, Rule Authors, Application Developers
Delivery Method	: Instructor-led (classroom)

About the Course

Students are given detailed, hands-on exercises using Red Hat JBoss Developer Studio and Red Hat JBoss BRMS that are designed to let students create and manage business rules in a production environment. This course can also help you prepare for the Red Hat Certificate of Expertise in Business Rules Management Exam (EX465).

Audience Profile

- Business analysts and enterprise SOA architects who are responsible for creating and adapting business policies.
- Rule authors responsible for authoring and testing rules.
- Java EE application developers responsible for integrating business rules into SOA and Java EE enterprise applications.

At Course Completion

After completing this course, students learn how to:

- Authoring basic business rules in JBoss Developer Studio and Business Central
- Integrating business rules with Java applications
- Authoring advanced rules
- Testing business rules
- Authoring and testing rules in decision tables
- Authoring rule templates and generating rules from decision tables
- Authoring domain-specific languages
- BRMS architecture and rule execution at run time
- Controlling rule execution and preventing conflicts
- Complex event processing (CEP)
- Integration with Business Central

Pre-Requisites

- Basic Java/Java EE programming experience.
- Knowledge of the Eclipse IDE, Maven, and GIT are useful, but not essential.

Course Outline

Module 1: Overview of this course

- Learn about the architecture, basic deployment options, and the business need for a business rules management system such as Red Hat JBoss BRMS.

Module 2: Authoring basic business rules

- Develop business rule structure and components, including facts working memory.
- Identify rule components.
- Author rules with Business Central and Red Hat JBoss Developer Studio (JBDS).

Module 3: Integrating business rules with Java applications

- Use the knowledge API to integrate rules processing into an application.

Module 4: Authoring rules as technical rules, decision tables, templates, and domain-specific language files

- Author rules using the Business Central technical rule editor and create a spreadsheet decision tables.
- Create rule templates.

Module 5: Business rules decision tables and rule templates

- Create spreadsheets with rules and rule templates.

Module 6: Domain-specific languages in BRMS

- Learn the purpose of domain-specific languages (DSLs), how to author them, and how to use them in a rule in BRMS.
- Use domain-specific languages created by developers to create rules.

Module 7: Testing business rules

- Test business rules using both the Business Central web interface and Java coding.

Module 8: Authoring complex rules with BRMS

- Author complex business rules using advanced conditions and field constraints.

Module 9: Controlling rule execution

- Control rule execution.
- Learn how to avoid rule conflicts.

Module 10: Debugging basic business rules in Drools

- Debug Drools applications in JBDS.

Module 11: Complex event processing in BRMS

- Create and use complex event processing (CEP) with rules.

Module 12: Integration with Business Central

- Gain an overview of BRMS administration with Business Central, a web application built into BRMS.
- Learn how to integrate Business Central with Java code.

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