



## Developing Rules Applications with Red Hat® JBoss® BRMS (JB463)

In this course, you will learn to create, test, debug, and control business rules, how to generate rules packages, and how the Red Hat JBoss BRMS [business rules management system] runtime environment executes rules. You will use Red Hat JBoss Developer Studio 7 and Red Hat JBoss BRMS 6 to perform detailed, hands-on exercises that enable you to create and manage business rules in a production environment.

### What You'll Learn

- Authoring basic business rules in Red Hat JBoss Developer Studio
- Authoring advanced rules
- Testing and debugging business rules
- Using spreadsheet decision tables
- Authoring and using DSL mapping files
- Red Hat JBoss BRMS architecture and runtime rule execution
- Controlling rule execution and preventing conflicts
- Complex event processing (CEP)

### Who Needs to Attend

- Rule authors responsible for authoring and testing rules, using Red Hat JBoss Developer Studio
- Java application developers responsible for developing and integrating business rules into Java and Java EE enterprise applications

### Prerequisites

- Basic Java and Java EE programming experience
- Knowledge of the Eclipse IDE, Maven, and GIT are useful, but not essential
- Business rule development experience is not required

### Follow-On Courses

There are no follow-ons for this course.

### Course Outline

#### 1. Overview of Red Hat JBoss BRMS

- Red Hat JBoss Fuse Service Works
- Red Hat JBoss BRMS architecture
- Business central

#### 2. Author basic rules

- Rule basics
- Rule components
- Rule processing in JBTravel: A case study
- Authoring rules with JBoss Developer Studio

#### 3. Decision tables

- Decision tables in a spreadsheet
- Decision tables at runtime

#### 4. Domain-specific languages

- Domain specific language
- DSL mapping file
- DSL rule implementation

#### 5. Test rules

#### 6. Author complex rules

- Advanced conditional elements

- Advanced field constraints
- Additional rule components
- Queries
- Backward chaining

#### **7. Develop rule applications**

- Rule management
- Rule integration
- Rule execution server

#### **8. Control rule execution**

#### **9. Debug Drools**

#### **10. Complex event processing**

#### **11. Performance (subject to time)**

**Note:** Outline is subject to change with technology advances and as the nature of the underlying job evolves.

#### **Further Information:**

For More information, or to book your course, please Call/Email us on : - +254 713 027 191

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