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Course Outline ::JB463::

Module Title	:	JB463- Developing Rules Applications with Red Hat JBoss BRMS
Duration	**:**	**3 days**

Overview

Students will use Red Hat JBoss Developer Studio 7 and Red Hat JBoss BRMS 6 to perform detailed, hands-on exercises that enable them to create and manage business rules in a production environment. The principles in this course can be applied to implementing a standalone Red Hat JBoss BRMS solution or a Red Hat JBoss BPM Suite (business process management) solution.

Content summary

- 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)

Audience

- 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

Outline

Overview of Red Hat JBoss BRMS

Learn about the architecture and business need for Red Hat JBoss Business Rules Management System (BRMS).

Author basic rules

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Author basic business rules using Red Hat JBoss Developer Studio (JBDS).

Integrating Business Rules with Java Applications

Learn how integrate rules processing into an application using an API.

Decision tables

Learn the purpose and layout of a spreadsheet decision table, and identify how JBoss BRMS loads the decision table at runtime.

Domain-specific languages

Learn about the purpose of domain-specific languages (DSLs), how to declare them, and how to use them in a rule.

Test rules

Learn about JUnit test and learn how to test a BRMS application.

Author complex rules

Learn how to use complex features of the BRMS rules engine.

Control rule execution

Learn how to implement conflict resolution strategies in rule execution.

Debug Drools

Learn how to debug Drools applications in Red Hat JBoss Developer Studio.

Complex event processing

Use complex event processing with rules.