

2 Days

Developing Rules Applications with Red Hat JBoss BRMS

Participants 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.

Course Details

Course Outline

Describe the architecture and business need for Red Hat JBoss BRMS. Red Hat JBoss Fuse Service Works Red Hat JBoss BRMS architecture Business central Author basic rules Author basic business rules using Red Hat JBoss Developer Studio. Rule basics Rule components Rule processing in JBTravel - a case study Authoring rules with JBoss Developer Studio Decision tables Describe the purpose and layout of a spreadsheet decision table, and identify how JBoss BRMS loads the decision table at runtime. Decision tables in a spreadsheet Decision tables at runtime Domain-specific languages Describe the purpose of domain-specific languages (DSLs), how to declare them, and how to use them in a rule. Domain specific language DSL mapping file DSL rule implementation Test rules Verify that given appropriate facts, a rule will be matched and actioned. Test rules with Junit. Author complex rules Describe and use rules. Advanced conditional elements Advanced field constraints Additional rule components Queries Backward chaining Develop rule applications Implement rule management and rule integration into an application and call the rule server at runtime. Rule management Rule integration Rule execution server Control rule execution Describe and implement conflict resolution strategies in rule execution. Debug Drools Describe the process of debugging Drools applications in Red Hat JBoss Developer Studio. Complex event processing Describe and use complex event processing with rules. Performance (subject to time) Optimize the processing and performance of rule execution at runtime.

Who Should 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

Pre Requisite

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

Exams

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