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Developing Rule Solutions in IBM WebSphere Operational Decision Management V7.5
Information

Length:	5.0 Days
Ref:	WB321G-X
Delivery method:	ClassroomInstructor Led Online
Price:	EUR

Overview

An updated version of this course is available. For more information, click*Developing Rule Solutions in IBM WebSphere Operational Decision Management V8 (WB381G)*.

This course introduces application developers to IBM WebSphere Operational Decision Management modules for developing rule-based solutions.

Through lectures and exercises, you learn the concepts, components, architecture, processes, and procedures that they need to develop an integrated business rule solution with IBM WebSphere Operational Decision Management V7.5.

In this course, you learn how to:

- Set up a business rule application
- Develop the object models that are required to author and execute rule artifacts
- Author, debug, and query the rule artifacts that are required to implement enterprise business policies
- Integrate developed rule artifacts within an enterprise environment
- Identify rule governance issues
- Work collaboratively with business users
- Enable business users to independently maintain or develop rule artifacts
- Enable business users to perform tests and simulations to validate developed rule artifacts

In the exercises, you apply their acquired knowledge and skills to develop business rule projects, enable business rule management and validation by business users, and integrate a business rule solution.

This is a very interactive course, where you work in teams to perform lab exercises.

The lab environment for this course uses the Windows XP SP3 platform.

For information about other related courses, visit the IBM Training website:
<http://www.ibm.com/training>

Public

This intermediate course is for application developers.

Prerequisites

You should have:

- Experience with the Java programming language
- Experience with Java Platform, Standard Edition (Java SE)
- Knowledge of Java Platform, Enterprise Edition (Java EE)
- Basic knowledge of Extensible Markup Language (XML)

Objective

- Explain the benefits of implementing Operational Decision Management
- Explain how business rules and business events work together
- Describe the process of building a rule application with IBM WebSphere Operational Decision Management V7.5
- Design business rule projects
- Design business object models that are used to write rule artifacts
- Design execution object models on which rule artifacts are executed
- Orchestrate how rule artifacts in rule projects are executed
- Author the rule artifacts that are required to implement business policies
- Search for or query rule artifacts
- Ensure that the implemented business logic is error-free
- Enable business users to manage rule artifacts
- Enable business users to perform tests and simulations with rule artifacts
- Integrate developed rule artifacts for execution within an enterprise environment
- Build efficient and easy-to-maintain business rule client applications
- Apply best practices for rule governance

Topics

- Course introduction
- Introducing IBM WebSphere Operational Decision Management V7.5
- Operational Decision Management: Business rules
- Exercise: WebSphere Operational Decision Management in action
- Programming with business rules
- Exercise: Setting up rule applications
- Developing business object models
- Exercise: Working with BOMs

- Orchestrating ruleset execution
- Exercise: Organizing rule execution flows
- Exercise: Designing ruleflows
- Exercise: Creating ruleset archives
- Authoring rules
- Exercise: Exploring action rules
- Exercise: Authoring action rules
- Exercise: Authoring decision tables and decision trees
- Enhancing the rule authoring experience
- Exercise: Keeping rule project consistency
- Exercise: Working with action rule templates
- Exercise: Working with static domains
- Exercise: Creating dynamic domains with Microsoft Excel
- Searching for and querying rules
- Exercise: Searching and querying rule projects
- Debugging rules
- Exercise: Executing rules locally
- Exercise: Debugging a ruleset
- Enabling business rule management
- Exercise: Enabling business rule management
- Exercise: Synchronizing dynamic domains
- Enabling tests and simulations
- Exercise: Enabling tests and simulations
- Deploying rules and XOMs
- Exercise: Deploying rules and XOMs
- Executing rules with Rule Execution Server
- Exercise: Exploring the Rule Execution Server Console
- Exercise: Executing rules with Rule Execution Server in Java SE
- Exercise: Executing rules with Rule Execution Server in Java EE
- Exercise: Executing rules as an HTDS web service
- Auditing and monitoring ruleset execution
- Exercise: Auditing ruleset executions
- Exercise: Testing execution of deployed rulesets
- Introducing rule governance (optional)
- Exercise: Applying rule governance with Decision Center (optional)
- Course summary