WebSphere ILOG JRules for Developer

Course Summary

Description

This course introduces developers to IBM WebSphere ILOG JRules modules, such Rules Studio & Rule Team Server & Rule Execution Server, teaches the concepts, discusses architecture, components, processes, and procedures necessary to develop and implement an integrated business rule solution using IBM WebSphere ILOG JRules V7.x. Through instructor-led presentations, demonstrations, and hands-on workshops & exercises, students learn the main features of IBM WebSphere ILOG JRules V7.x and how to perform basic and some advance tasks.

Objectives
At the end of this course, students will be able to:

- Describe, at a high level, the process of building a business rule application with IBM WebSphere ILOG JRules V7.0
- Describe what, why and how of BRMS
- Describing where to find and how to classify business rules
- Design business rule projects
- Design business object models (BOM) upon which rules will be written
- Design Java-based execution object models upon which the rules will be executed
- Orchestrate how business rule artifacts in rule projects will be executed
- Implement the required business rule artifacts to implement business policies
- Search or query for business rule artifacts, analyze the consistency and completeness of business rule projects, and report on them
- Debug the implemented business logic

- Enable business users to manage the business rule artifacts
- Integrate developed rule artifacts within an enterprise environment, for their execution
- Build efficient and easy-to-maintain business rule client applications
- Set up a complete business rule application based on XML instead of Java
- Customize rule editors to simplify or enhance the authoring experience
- Set up the environment so that less technical business users can satisfactorily work
- Control how business rule artifacts are executed to match specific needs
- Apply best practices for rule governance

Topics

- Course introduction
- Introducing business rules
- Introducing IBM WebSphere ILOG JRules
- Walkthrough: JRules in action
- Designing a business rule project
- Exercise: Designing a business rule project
- Developing the business object model
- Exercise: Developing the business object model

- Orchestrating the rule execution
- Exercise: Orchestrating the rule execution
- Authoring rules
- Exercise: Authoring rules
- Reviewing rules
- Exercise: Reviewing rules
- Debugging rules
- Exercise: Debugging rules
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Course Summary (cont'd)

- Exercise: Implementing a Mini Proof Of Concept (POC) from scratch
- Enabling business rule management
- Exercise: Enabling business rule management
- Integrating rules with an embedded rule engine
- Deploying rules to Rule Execution Server
- Exercise: Deploying rules to Rule Execution Server

- Executing rules with Rule Execution Server
- Exercise: Executing rules with Rule Execution Server
- Working with XML
- Customizing authoring
- Setting up Rule Team Server
- Exercise: Maintaining business rules in RT

Audience

This course is intended for application developers and good for project managers, architects and team leads.

Prerequisites

Students should have a good understanding of Object oriented Methodology, Java programming, understanding of Java Enterprise Edition and J2EE Application Servers.

Duration

Five days