

WB300 - Developing Business Rule Applications with IBM WebSphere ILOG JRules V7

Duration: 5 days

This instructor-led course introduces developers to IBM WebSphere ILOG JRules modules, and teaches the concepts, architecture, components, processes, and procedures necessary to develop and implement an integrated business rule solution using IBM WebSphere ILOG JRules V7.0.

Through instructor-led presentations, product demonstrations, and hands-on lab exercises, students learn the core features of IBM WebSphere ILOG JRules V7.0 and how to perform basic tasks, including:

- Setting up a business rule application based on Java
- Authoring, debugging, and reviewing the business rule artifacts required to implement enterprise business policies
- Working collaboratively with less technical business users so that they can maintain or develop more business rules independently
- Integrating the developed business rule artifacts within their enterprise environment

In addition to these core features, students also learn how to work with XML, simplify or enhance their authoring experience, set up the environment of less technical business users, control how business rule artifacts are executed, and identify rule governance issues.

In the intensive hands-on lab exercises, students produce a comprehensive business rule solution that demonstrates the core features of IBM WebSphere ILOG JRules V7.0. Step by step, these exercises let students apply their newly acquired core knowledge to design, develop, synchronize, and integrate the specified comprehensive business rule solution with IBM WebSphere ILOG JRules V7.0.

Audience: This intermediate course is designed for application developers.

Prerequisites: Before taking this course, students 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)

WB300 - Developing Business Rule Applications with IBM WebSphere ILOG JRules V7

Skills taught:

- Describe, at a high level, the process of building a business rule application with IBM WebSphere ILOG JRules V7.0
- Design business rule projects
- Design business object models 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
- Programming with business rules
- Exercise: Programming with business rules
- Developing business object models
- Exercise: Developing business object models
- Orchestrating ruleset execution
- Exercise: Orchestrating ruleset execution
- Authoring rules
- Exercise: Authoring rules
- Reviewing rules
- Exercise: Reviewing rules
- Debugging rules
- Exercise: Debugging rules
- Enabling business rule management

WB300 - Developing Business Rule Applications with IBM WebSphere ILOG JRules V7

- 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
- Setting up Rule Team Server
- Customizing rule authoring
- Understanding rule execution strategies
- Rule governance
- Course summary