

WB304 - Developing Business Rule Applications with IBM WebSphere ILOG Rules for .NET V7

Duration: 5 days

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

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

- Setting up a business rule application on the .NET platform
- 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 author and maintain business rules independently
- Integrating the developed business rule artifacts within an enterprise environment

You also learn how to set up the rule authoring environment for business users, monitor and manage rule execution, manage the rule life cycle, and control how business rule artifacts are executed.

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

Audience: This intermediate course is designed for application developers.

Prerequisites:

- Knowledge of object-oriented programming concepts
- Experience with the C# or Visual Basic programming language
- Experience with the Microsoft .NET framework
- Experience with Microsoft Visual Studio .NET

Skills taught:

- Describe, at a high level, the process of building a business rule application with WebSphere ILOG Rules for .NET V7
- Design business rule projects

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- Design business object models upon which rules will be written
- Design execution object models upon which rules will be executed
- Author the required business rule artifacts to implement the business policies
- Orchestrate how business rule artifacts in the rule projects will be executed
- Integrate developed rule artifacts within an enterprise environment
- Build efficient and easy-to-maintain business rule client applications
- Enable business users to manage the business rule artifacts
- Set up an environment where less technical business users can satisfactorily work
- Monitor and manage rule execution
- Manage the rule life cycle (queries, properties)
- Control how business rule artifacts are executed to match specific needs

Topics:

- Course introduction
- Introducing business rules
- Introducing IBM WebSphere ILOG Rules for .NET
- Walkthrough: Rules for .NET in action
- Programming with business rules
- Exercise: Programming with business rules
- Working with the business object model
- Exercise: Working with the business object model
- Authoring rules
- Exercise: Authoring rules
- Designing rulesets
- Exercise: Designing rulesets
- Deploying rules
- Executing rules with an embedded rule engine
- Executing rules with Rule Execution Server
- Exercise: Executing rules with Rule Execution Server
- Monitoring and managing rulesets
- Enabling business rule management
- Exercise: Enabling business rule management
- Working with Rule Solutions for Office
- Setting up Rule Team Server
- Managing rules
- Exercise: Managing rules
- Understanding rule execution strategies
- Concluding the course