

Developing Rule Solutions in IBM Operational Decision Manager V8.10

Code: ZB404G-SPVC

URL: [View Online](#)

This IBM Self-Paced Virtual Class (SPVC) includes:

- PDF course guide available to attendee during and after course
- Lab environment where students can work through demonstrations and exercises at their own pace

This course is also available as classroom course *Developing Rule Solutions in IBM Operational Decision Manager V8.10* (WB404G).

This course introduces developers to IBM Operational Decision Manager V8.10. It teaches you the concepts and skills that you need to design, develop, and integrate a business rule solution with Operational Decision Manager.

The course begins with an overview of Operational Decision Manager, which is composed of two main environments: Decision Server for technical users and Decision Center for business users. The course outlines the collaboration between development and business teams during project development.

Through instructor-led presentations and hands-on lab exercises, you learn about the core features of Decision Server, which is the primary working environment for developers. You design decision services and work with the object models that are required to author and execute rule artifacts. You gain experience with deployment and execution, and work extensively with Rule Execution Server. In addition, you become familiar with rule authoring so that you can support business users to set up and customize the rule authoring and validation environments. You also learn how to use Operational Decision Manager features to support decision governance.

The lab environment for this course uses Windows Server 2012 R2 Standard Edition.

Skills Gained

After completing this course, you should be able to:

- Describe the benefits of implementing a decision management solution with Operational Decision Manager
- Identify the key user roles that are involved in designing and developing a decision management solution, and the tasks that are associated with each role
- Describe the development process of building a business rule application and the collaboration between business and development teams
- Set up and customize the Business Object Model (BOM) and vocabulary for rule authoring
- Implement the Execution Object Model (XOM) that enables rule execution
- Orchestrate rule execution through ruleflows
- Author rule artifacts to implement business policies
- Debug business rule applications to ensure that the implemented business logic is error-free
- Set up and customize testing and simulation for business users
- Package and deploy decision services to test and production environments
- Integrate decision services for managed execution within an enterprise environment
- Monitor and audit execution of decision services
- Work with Operational Decision Manager features that support decision governance

Who Can Benefit

This course is designed for developers.

Prerequisites

Before taking this course, you should have:

- Experience with the Java programming language and object-oriented concepts
- Knowledge of Java Platform, Enterprise Edition (Java EE)
- Basic knowledge of Extensible Markup Language (XML)
- Basic knowledge of the REST API and RESTful architecture

Course Details

Course Outline

Describe the benefits of implementing a decision management solution with Operational Decision Manager
 Identify the key user roles that are involved in designing and developing a decision management solution, and the tasks that are associated with each role
 Describe the development process of building a business rule application and the collaboration between business and development teams
 Set up and customize the Business Object Model (BOM) and vocabulary for rule authoring
 Implement the Execution Object Model (XOM) that enables rule execution
 Orchestrate rule execution through ruleflows
 Author rule artifacts to implement business policies
 Debug business rule applications to ensure that the implemented business logic is error-free
 Set up and customize testing and simulation for business users
 Package and deploy decision services to test and production environments
 Integrate decision services for managed execution within an enterprise environment

Monitor and audit execution of decision services
Work with Operational Decision Manager features that support decision governance

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