

## Developing Solutions with IBM Decision Server Insights V8.10

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<b>Code:</b>	WB403G
<b>Length:</b>	4 days
<b>URL:</b>	<a href="#">View Online</a>

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This course is also available as self-paced virtual (e-learning) course *Developing Solutions with IBM Decision Server Insights V8.10 (ZB403G)*. This option does not require any travel.

In this course, you learn about the main features of the Decision Server Insights component of IBM Operational Decision Manager V8.10.

Decision Server Insights combines rules and events on a highly available platform. By using Decision Server Insights, you can build applications that make decisions in near real-time and in situational contexts. You experience how to use time-based reasoning and location-based reasoning to build a real-world solution that detects and responds to business situations. You also learn the key capabilities of the multi-agent architecture of Decision Server Insights by developing several agents that are bound to a single entity for different purposes.

This course focuses on solution development, deployment, testing, and administration. You learn how to implement the business logic that detects business situations and uses situational context to decide and take the next best action.

The course begins with an overview of the programming model for Decision Server Insights and the architecture for the Decision Server Insights runtime environment. You learn how to design a Decision Server Insights solution, model the business entities and events that you care about, and implement the business logic. You work with a realistic test client to test the behavior of your implementation after deployment.

The course also covers administration topics, including installation, configuration of the Decision Server Insights reference topology, solution deployment in a grid environment, and grid administration.

## Skills Gained

After completing this course, you should be able to:

- Describe the Decision Server Insights programming model and architecture
- Design and create a Decision Server Insights solution
- Define the business model for the events, entities, and concepts that are relevant to your domain
- Work with aggregates for calculations across events
- Implement business logic with rule agents and rules to detect and respond to business situations
- Deploy solutions to the Insight Server runtime and test runtime behavior
- Explain Decision Server Insights integration capabilities

- Install, configure, and administer a Decision Server Insights grid environment

## 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
- Basic knowledge of Extensible Markup Language (XML)
- Basic knowledge of the WebSphere Application Server Liberty profile
- Familiarity with the Representational State Transfer (REST) architectural style
- Familiarity with WebSphere eXtreme Scale

## Course Details

### Course Outline

Introducing IBM Decision Server Insights  
Exercise: Getting started with Decision Server Insights  
Designing Decision Server Insights solutions  
Exercise: Creating a solution in Insight Designer  
Creating the business model  
Exercise: Defining the business model  
Authoring the business logic  
Exercise: Creating a rule agent  
Exercise: Writing and testing rules  
Working with aggregates  
Exercise: Using event and shared aggregates in rules  
Exercise: Testing for the absence of events  
Testing solutions  
Exercise: Testing solutions  
Modeling and defining connectivity  
Exercise: Defining connectivity  
Integrating Decision Server Insights  
Configuring Insight Server  
Exercise: Installing Decision Server Insights  
Exercise: Configuring Decision Server Insights  
Managing deployment  
Exercise: Deploying solutions  
Administering Decision Server Insights  
Exercise: Administering Decision Server Insights  
Course summary

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## Schedule (as of 3 )

Date	Location
Jun 7, 2021 – Jun 10, 2021	<a href="#">iMVP</a> <a href="#">Enroll</a>
Sep 13, 2021 – Sep 16, 2021	<a href="#">iMVP</a> <a href="#">Enroll</a>

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