

## **WB399G**

### **Developing Solutions with IBM Decision Server Insights V8.8**

Durata: 4 gg

#### **Descrizione**

This course is also available as self-paced virtual (e-learning) course Developing Solutions with IBM Decision Server Insights V8.8 (ZB399G). 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 Advanced V8.8.

Decision Server Insights enables real-time, in-memory, rule-based, event-driven, and analytical decision making. You experience how to use analytics, 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.

For information about other related courses, see the IBM Training website:

<http://www.ibm.com/training>

Objectives: 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
- Use global aggregates for calculations across all events or a population of entities
- 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

#### **A chi è rivolto?**

This course is designed for developers.

#### **Prerequisiti**

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

## **Contenuti**

Course introduction

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 global aggregates in rules

Exercise: Using event aggregates in rules

Exercise: Using time-based and location-based reasoning in rules

Exercise: Testing for the absence of events

Testing solutions

Exercise: Testing solutions

Exercise: Using the Map Viewer

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