WPL55G

Build IBM WebSphere Portal 8.5 Applications using Rational Application Developer

Durata: 5 gg

Descrizione

This course is designed for users who are new to developing applications for IBM WebSphere Portal Server V8.5. It describes the fundamentals of designing and creating portlets and how to put the new features to use.

In addition, you have the opportunity to apply best coding practices throughout the course, developing robust portlet applications and portal themes by using Dojo, asynchronous JavaScript and XML (Ajax), and client-side aggregation.

This course makes extensive use of Rational Application Developer V9.1 to develop and test JSR (Java Portlet Specification) 286-compliant portlets.

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

ibm.com/training

Objectives: •Use the features, functions, and procedures of IBM WebSphere Portal 8.5 to achieve the following tasks:

•Compare Rational Application Developer and WebSphere Portlet Factory

•Locate developer resources

•Review portlet concepts, such as the portlet lifecycle, WAR file architecture, core, objects, and methods

•Set up a development environment

•Perform basics of creating a project, deploying a portlet, starting and stopping a server, and adding a portlet to a page

•Work with the Core API (JSR 286)

•Use tag libraries

•Process portlet input

•Customize portlet behavior

•Build interactive (collaborative) portlets

•Understand the basics of JavaServer Faces (JSF)

•Use JSF in the WebSphere Portal environment

•Use Dojo and Ajax for WebSphere Portal development

A chi è rivolto?

This intermediate course is for experienced application developers who are familiar with Java, Web 2.0, and web development and who are familiar with security concepts.

Prerequisiti

You should have:

•A solid understanding of Java Platform, Enterprise Edition application development, including the ability to read and understand servlets, and JavaServer Pages (JSPs)

•A solid understanding of the World Wide Web functions and familiarity with Asynchronous JavaScript and

XML (Ajax) and Dojo
- A basic understanding of Rational Application Developer or Eclipse development environment
- Strong Windows or Linux user skills
- A basic understanding of WebSphere Portal Administration

Contenuti

- Welcome
- Overview of IBM WebSphere Portal 8.5
- Working with portlet concepts
- Performing basic tasks
- Exercise: Creating, deploying, and testing a portlet
- Working with the core API
- Exercise: Working with core portlet objects
- Using tag libraries
- Exercise: Using tag libraries in portlet applications
- Processing portlet input
- Exercise: Processing client input requests
- Customizing portlet behavior
- Exercise: Customizing portlet behavior
- Interactive portlets
- Exercise: Developing and testing interactive portlets
- Introduction to JavaServer Faces
- Exercise: Creating a JSF portlet application
- Serving resources
- Exercise: Creating a resource serving portlet
- Using Dojo and Ajax in portal development
- Exercise: Using Dojo in a portlet application
- Overview of the portlet services
- Exercise: Creating a custom portlet service
- Working with portlet services
- Exercise: Using a standard portlet service
- Building portlet filters
- Exercise: Developing and testing a portlet filter
- Implementing personalization
- Exercise: Using personalization to develop and test components
- Creating a portal brand
- Creating multichannel Portal Applications
- Exercise: Creating a multichannel Portal Application
- Course summary