Developing Oracle Weblogic 10.3 Portal Applications

Course Summary

Description

This course provides hands-on experience building enterprise portal applications using Weblogic Portal and Eclipse. This training prepares you to immediately contribute to sophisticated portal development projects based on the industry leading Oracle Weblogic platform.

Objectives

At the end of this course, students will be able to:

- Describe the capabilities of Workshop's Eclipse plug-ins
- Define portal desktops and portlets
- Customize the appearance of a portal using skins, skeletons, and shells
- Create page flow and actions in Workshop
- Use NetUI tags, including repeaters and grid
- Create backing file classes for portal components
- Configure a portlet or desktop to run asynchronously
- Use Web clipper portlets
- Federate portal books, pages, and portlets between producers and consumers
- Customize WSRP communication
- Define the terms repository, type, property, node, and library services
- Rapidly display content in a portal using placeholders and selectors
- Personalize a portal application using content selectors, events and campaigns
- Create and access content programmatically
- Secure portal components with roles and entitlements
- Customize a user's portal with the visitor tools

Topics

- Course Introduction
- Development Fundamentals
- Portal Design and Development
- Look and Feel Development
- NetUI Portlet Development
- Advanced Portlet Development
- Federated Portal Development
- Content Management
- Advanced Content Management
- Administration Fundamentals

Audience

This course is intended for Java developers who need to develop portal applications using Weblogic portal

Prerequisites

Java programming with the core J2EE APIs is essential.

Duration

Four days

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... to Your Success!"

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Course Outline

I. Course Introduction
- A. Portals and the Enterprise
- B. JSR Portal APIs
- C. Feature Overview
- D. Portal Versions
- E. Product Installation
- F. Creating a Portal Domain
- G. Starting and Stopping Servers

II. Development Fundamentals
- A. Eclipse Java Tools Overview
- B. Eclipse Web Tools Overview
- C. Eclipse Extension options
- D. WebLogic Shared Libraries
- E. Ear and Jar Projects
- F. Project Facets

III. Portal Design and Development
- A. Portal Projects
- B. Portals, Books, and Pages
- C. Portlet Types
- D. Portlet Wizard

IV. Look and Feel Development
- A. Skeletons
- B. Shells
- C. Skins
- D. Chromosomes
- E. Layouts
- F. Themes

V. NetUI Portlet Development
- A. Apache Beehive
- B. Page Flow Perspective
- C. Actions and Forwards
- D. NetUI JSP Tags
- E. Form Beans
- F. Validation Rules
- G. Internationalization

VI. Advanced Portlet Development
- A. JSF and WebLogic Portal
- B. Portlet Preferences
- C. Portlet Event Handlers
- D. Backing Files
- E. Asynchronous Portals
- F. Web Clipper Portlet
- G. Portlet Publishing

VII. Federated Portal Development
- A. Web Service Fundamentals
- B. WSRP Architecture
- C. Consumer Registration
- D. Service Registry Integration
- E. Proxy Portlet, Pages and Books
- F. WSRP Interceptors

VIII. Content Management
- A. Content Management Architecture
- B. Content Types and Properties
- C. WebDAV CMS Integration
- D. Content Workflows
- E. Content Placeholders
- F. Content Selectors
- G. Content JSP Tags

IX. Advanced Content Management
- A. Content Management APIs
- B. Content Personalization
- C. Campaigns
- D. Content Presenter Portlet
- E. Content Display Templates
- F. Content SPI Overview
- G. User Profiles

X. Administration Fundamentals
- A. WebLogic Portal Tools Overview
- B. Desktop Administration
- C. Visitor Roles and Entitlements
- D. Desktop Customization
- E. Visitor Tools

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