Oracle WebCenter Portal 11g: Introduction for Portal Developers

Duration: 3 Days

What you will learn

This course introduces you to Oracle WebCenter Portal's components. You'll learn how to add these components to any application to create content-rich, collaborative and customizable applications.

Learn To:

Start with an ADF application, then enhance it with features from WebCenter Portal Framework, Composer, and Services.
Use predefined WebCenter task flows to add documents, discussions, links and search to custom application.
Wire traditional ADF components and WebCenter task flows to display correlated information.
Use the Content Presenter and Documents service task flows to access documents stored in a content repository.
Integrate WebCenter Services.
Solve the practices results in a concise and feature-rich WebCenter Portal application.
Perform run-time management of the WebCenter Portal.

Using Oracle JDeveloper

This course will also teach you how to add portlets, documents, discussion forums, links and search using Oracle JDeveloper (with the embedded WebCenter Portal Framework extension). You'll also learn how to enable users to compose and edit WebCenter application pages at run-time.

Oracle WebCenter Portal Framework

Oracle WebCenter Portal Framework is an Oracle JDeveloper design-time extension that breaks down boundaries between Web-based portals and enterprise applications. It also provides the runtime portal and Web 2.0 framework.

Live Virtual Class

A Live Virtual Class (LVC) is exclusively for registered students; unregistered individuals may not view an LVC at any time. Registered students must view the class from the country listed in the registration form. Unauthorized recording, copying, or transmission of LVC content may not be made.

Audience
Application Developers
J2EE Developer
Java Developer
Portal Developer
Sales Consultants
Technical Consultant

Required Prerequisites

Oracle Fusion Middleware 11g: Build Applications with ADF I

Suggested Prerequisites
Familiarity with Java Programming

Familiarity with Oracle JDeveloper 11g

Familiarity with building user interfaces using Oracle ADF

Java SE 7 Programming

Oracle Fusion Middleware 11g: Build Applications with ADF I

Course Objectives
Create an application based on a WebCenter Portal: Framework application template

Create Portal Pages

Add Portlets to the Portal

Integrate WebCenter Services

Content Integration

Packaging and Deployment

Runtime Management of application

Course Topics

Introduction to Oracle WebCenter Portal 11g
Overview of Oracle Fusion Middleware
Overview of Oracle WebCenter Suite
Discussing Oracle WebCenter Portal: Components
About WebCenter Portal Framework
About WebCenter Portal Services
About WebCenter Portal: Composer
About WebCenter Portal: Spaces
About WebCenter Portal Architecture

Creating the WebCenter Portal Application
Explaining WebCenter Portal: Framework
Discussing WebCenter Portal: Framework - Features
Creating a WebCenter Portal Application
About WebCenter Portal: Project File Structure

Running the Portal Application

Creating and Using Page Templates and Pages
What Is a Page Template?
About Elements of a Page Template
About Default Page Template
Creating a Page Template
Creating Pages by Using Page Templates
About Page Hierarchies
Describing Security and Access Policies
Discussing Navigation Model

Using Portlets
What Is a Portlet?
Discussing WebCenter-Supported Portlet Standards
Discussing Anatomy of a Portlet: Provider, Portlet, Consumer, Communication Protocol
About Portlet Modes, Customization, and Personalization
Registering a Portlet Provider
Adding Portlets to a Page
Explaining Attributes of the Portlet Tag
About Oracle JSF Portlet Bridge

WebCenter Portal Services
Discussing Documents Service
Describing Documents Service Task Flows
About Content Presenter Task Flow
Discussing Discussions Service
About Tags Service
About Links Service
About Search Service
About Wiki Service

Content Integration
About Content Repository
Explaining Documents Service Task Flows
Discussing Content Presenter Task Flow
Discussing Content Presenter Template
About Edit Task Flow
Rendering Content

Integrating WebCenter Portal Services
Explaining WebCenter Portal Services Configuration
About Discussion Service Connection
Adding a Discussion Task Flow
Adding Lists Service Task Flow
Adding a Blog Task Flow
Configuring Search Service

Runtime Management of Portal Application
Who is WebCenter Portal: Administrator?
About Portal Resources
Describing Round-Trip Development Process for Portal Resource

Exporting a Portal Resource in JDeveloper
Importing a Portal Resource in JDeveloper
Managing Pages
Managing Services
Managing Content

Runtime Editing and Customizing of Pages with Oracle Composer
About Oracle WebCenter Portal's Composer
Runtime Editing and Customization
About Metadata Services (MDS)
Using Customizable Components at Design Time
Examining the Source Code
Adding Components
Adding Content
Wiring Components

Application Packaging and Deployment
About Oracle WebLogic Server
Explaining WebCenter Portal Domain
About Custom Managed Server for Framework Applications
Packaging and Deployment
Describing Deployment Profile
Creating a Deployment Profile
Creating the Portal Enterprises Archive File
Deploying the Portal Enterprises Archive File