Oracle Forms & Reports Developer 10g: Move to the Web

: 4 Days

What you will learn

This course prepares you to realize the benefits of Web-deploying your Forms and Reports applications.You migrate a Forms 6i application to the Web with Oracle Forms 10g (10.1.2.0.2) You learn to utilize the Web architecture of Oracle Application Server 10g (10.1.2.0.2) components, especially the Forms Servlet, the Forms Listener Servlet, the Forms Runtime Engine, and the Forms Client. After migrating the application, you define certain aspects of its behavior by modifying middle-tier configuration files. You adapt the application to the Web environment and enhance it with Web technologies, including WebUtil, a utility that can replace much of the client-server behavior that you are accustomed to using. You utilize Web-related new features of Forms 10g. You also call Reports from Forms on the Web. You learn how to migrate your existing Oracle6i Reports applications to Oracle Reports 10g (10.1.2.0.2), replacing deprecated, obsolete, and changed functionality with new features. Oracle Reports 10g takes advantage of JavaServer Page (JSP) technology to deliver high quality HTML pages for Web publishing. You are introduced to JSP technology; learn how to create Web reports, and how to enhance your reports by modifying the Web source code. You learn about new features for report development and report deployment introduced since release 6i. Finally, you learn how to deploy your reports using Oracle Application Server 10g (10.1.2.0.2).List the benefits of deploying Forms and Reports applications to the Web with Oracle Application Server 10g Migrate Forms 6i and Reports 6i applications to Web deployment with Oracle Application Server 10g Create JSP-based Web reports Use Web technologies to enhance Forms and Reports applications Enhance forms and reports using new features in Oracle Developer Suite 10g Call Reports from Forms

Audience
Business Intelligence Developer
Forms Developer
Reports Developer
Support Engineer
Technical Consultant

Prerequisites
Suggested Prerequisites
Develop Forms applications with Oracle Developer Suite 6i
Use a Web browser

Course Objectives
Migrate client-server Forms applications to the Web
Test Forms applications in a three-tier environment
Configure run-time behavior
Improve performance of Web-deployed applications
Use JavaBeans and Pluggable Java Components to extend Forms functionality
Integrate Web services into a Forms application
Use WebUtil to interact with the client
Debug a form remotely
Identify the benefits of deploying your Oracle Reports applications to the Web with Oracle Application Server 10g
Migrate your Oracle6i Reports applications to Oracle Reports 10g
Use Web technologies to enhance the functionality of Oracle Reports applications

Publish reports to the Web
Replace obsolete and deprecated functionality in your Reports applications
Utilize the new development features of Oracle Reports 10g
Utilize the new deployment features of OracleAS Reports Services

Course Topics

Benefits of Deploying Forms Applications to the Web
Improving Productivity
Reducing Costs
Increasing Accessibility
Maintaining Support
Leveraging Current Knowledge
Providing a Rich User Interface
Employing the Latest Technologies
Utilizing New Product Features

Streamlining of Oracle Forms
Elimination of Character Mode and Client-Server Run-time Executables
Elimination of Item Types and Built-Ins That Are OS-Specific or Related to Character Mode
Elimination of Obsolete Features from Older Forms Versions

Migrating Forms Applications
Considering Pre-Upgrade Issues
Using the Correct Migration Path
Using Forms Builder to Migrate
Using Forms Compiler to Migrate
Using Forms Migration Assistant
Considering Post-Upgrade Issues

Utilizing Forms Services
Forms Servlet
Forms Listener Servlet
Forms Runtime Engine
Forms Client
Starting a Run-Time Session
Selecting a Java Runtime Environment

Testing and Deploying Forms Applications
Testing Applications
Generating Applications
Deploying Applications
Constructing a URL to Run the Application

Configuring Run-Time Behavior
Configuring the Forms Servlet
Configuring the Environment
Customizing the User Interface
Using Configuration Files

Adapting Features That Work Differently on the Web

Adjusting Fonts
Key Mapping
Integrating Oracle Graphics
Calling Reports from Forms
Displaying Images
Displaying Icons

Adapting Features with Performance Implications

The SYNCHRONIZE Built-In
Timers
Tabbed Canvases
Mouse Event Triggers

Adapting Client-Server Specific Features

When-Mouse-Move|Enter|Leave Triggers
GET_FILE_NAME Built-In
Image Control Palette
Dialog Window Style
VBX, ActiveX (OCX)
OLE Containers
Sound Items

Adapting Platform-Specific Features

Built-Ins Work on Middle Tier
OLE Automation
User Exits
Case Sensitivity
D2kwutil

Enhancing Forms Applications with Web Technologies

Using JavaBeans to Extend Functionality
Using PJCs to Extend the User Interface
Launching a Web Page from Forms
Integrating Web Services
Integrating Forms Applications with Oracle Application Server Portal

Using WebUtil to Interact with the Client

Configuring WebUtil
Integrating WebUtil into a Form
Opening a File Dialog on the Client
Reading an Image File from the Client
Writing Text Files on the Client
Executing Operating System Commands on the Client
Performing OLE Automation on the Client
Obtaining Environment Information about the Client

Using New Integration Features of Forms 10g

Configuring JVM Pooling
Managing Forms Services with Oracle Enterprise Manager
Implementing Single Sign-On

Using Other Web-Related Features of Forms 10g

Implementing Run-Time Pooling
Performing Remote Debugging
Enabling Browser Language Detection
Restricting Parameters That Can Be Passed in the URL

Integrating Forms and Reports Applications
Using RUN_REPORT_OBJECT to Run a Report with the the Reports Multi-Tier Server
Displaying a Report from Forms
Calling a Report with the WEB.SHOW_DOCUMENT Built-In

Why Move Reports Applications to the Web?
Reducing Costs
Improving Productivity
Increasing Accessibility
Maintaining Support
Publishing Enterprise Data
Leveraging a Standards-Based Architecture
Utilizing New Features

Migrating Reports Applications
Deprecated and Obsolete Functionality
Migrating a Report Application
Reports Builder User Interface Changes
Formatting with the SRW Built-in Package
Replacing OLE2 Objects
Migrating Charts
Replacing Buttons
Referencing System Parameters

Developing Reports for the Web
What is JSP Technology?
Building a Web Report
JSP Tags
Generating Output
Adding Dynamic Content
Customizing Reports JSPs
Creating a Web Layout Template
Creating a Parameter Form

Using New Features in Oracle Reports: Development
Accessing Data with Pluggable Data Sources
Bursting on a Repeating Group
Adding a Table of Contents
Using PDF in Oracle Reports
Inline Formatting Using HTML Tags
Using External Style Sheets
Adding a Graph to a Web Report
Integrating with Oracle JDeveloper

Deploying Reports Using OracleAS Reports Services
Running the Web Layout
Running the Paper Layout

Deploying a Report
Using a Key Map File
Extending Oracle Reports Functionality Using Plug-ins
Managing and Monitoring OracleAS Reports Services
Implementing Single Sign-On

Using New Features in Oracle Reports: Deployment