

Oracle Forms Developer 10g: Move to the Web

Duration: 2 Days

What you will learn

This course prepares you to realize the benefits of Web-deploying your Forms 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.

List the benefits of deploying Forms applications to the Web with Oracle Application Server 10g

Migrate Forms 6i applications to Web deployment with Oracle Application Server 10g

Adapt Forms applications to the Web environment

Use Web technologies to enhance Forms applications

Utilize Web-related new product features for Forms

Call Reports from Forms

Audience

Forms Developer

Support Engineer

Technical Consultant

Prerequisites

Suggested Prerequisites

Experience in Developing Forms with Oracle Dev. Suite 6i

Working experience with the Web browser

Knowledge of PL/SQL

Course Objectives

Migrate client-server Forms applications to the Web

Test Forms applications in a three-tier environment

Deploy Forms applications to the middle tier

Configure run-time behavior

Adapt to features that work differently on the Web

Improve performance of Web-deployed applications

Use platform-specific features successfully

Use JavaBeans and Pluggable Java Components to extend Forms functionality

Launch a Web page from Forms

Integrate Web services into a Forms application

Use WebUtil to interact with the client
Use Oracle Enterprise Manager to configure Forms Services
Debug a form remotely
Describe the benefits of deploying a Forms application to the Web

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 PJC's 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