

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
- Technical Consultant
- Support Engineer

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 PJsCs 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

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- 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

Suggested Next Courses:

- [Oracle Reports Developer 10g: Move to the Web](#)