Oracle Fusion Middleware 11g: Administer Forms Services

Duration: 3 Days

What you will learn

In this course participants learn to administer Forms Services within the context of a Fusion Middleware installation. Participants understand the architecture of Oracle Fusion Middleware 11g Forms Services and learn the role of each Forms Services component in running an application. Participants learn to install, configure, tune Oracle Forms 11g, and deploy Forms applications on the web and integrate them with other technologies. Participants also understand the process needed for upgrading from previous versions of Oracle Forms.

Participants gain hands-on experience with using Oracle Enterprise Manager to edit the Forms Services configuration. They learn how to set the most commonly-used parameters and environment variables and how to use Forms with single sign-on. Configuration for deployment in different languages and different time zones is also explained. Students learn to integrate Forms applications with Reports and with any technology that can place events on a database queue. They also gain experience with troubleshooting tools that can help resolve configuration and performance issues.

Learn To:

Install and configure Oracle Forms 11g

Start and stop WLS servers

Generate and deploy Forms modules and associated files

Secure Forms applications

Integrate with Oracle Reports and other technologies

Troubleshoot and tune Forms deployments

Audience

Administrator

Support Engineer

Technical Consultant

Web Administrator

Prerequisites

Required Prerequisites

Configuring and Managing Oracle HTTP Server

Oracle WebLogic Server 11g: Administration Essentials

Review Administer Oracle Fusion Middleware 11g documentation on OTNa href=

Suggested Prerequisites

Oracle WebLogic Server 11g: Administration Essentials

Course Objectives

Describe the Oracle Fusion Middleware 11g Forms Services architecture

Install Oracle Fusion Middleware and Forms
Configure Forms Services
Configure the Forms client
Configure Forms Services for the use of WebUtil
Deploy Forms applications and their associated files
Manage applications that are deployed globally
Make Forms applications secure
Integrate Forms applications with other technologies
Manage Forms Services instances
Troubleshoot problems with running Forms applications
Improve performance of Forms applications

Course Topics

Oracle Fusion Middleware and Oracle Forms Services Overview
Oracle Fusion Middleware 11g Overview
Starting and Stopping WebLogic Servers
Components of Oracle Fusion Middleware 11g Forms Services
Starting a Forms Application
Installing WebLogic Server, Forms, and Reports
Upgrading from Oracle Application Server 10g
Upgrading from Oracle Forms 6i

Configuring the Middle Tier: The Forms Servlet
Using Configuration Files
Using Oracle Enterprise Manager
Configuring the Forms Servlet
Defining Application-Specific Configurations
Configuring Run-time Pooling

Configuring the Middle Tier: Environment, UI, and Deployment
Modifying the Run-time Environment
Enabling Query-Where Functionality
Defining Application-Specific Environments
Managing the User Interface Appearance
Font Mapping
Key Mapping
Creating Application-Specific Registry Files
Generating and Deploying the Forms Application

Deploying Associated Files
Files That Your Forms Applications May Need
Deploying Associated Files for Access from the Middle Tier
Deploying Associated Files for Download to the Client

Configuring the Client Tier
Client Requirements
The Java Run-time Environment (JRE)
Supported Browsers
Using the Sun Java Plug-In
Displaying the Java Console

Configuring WebUtil for Client Interaction

Deploying Applications Globally
Detecting Browser Language Settings
Deploying Language-Specific Applications
Implementing Time Zone Support

Implementing Security for Forms Applications
Implementing Single Sign-On (SSO)
Restricting User Privileges on the Database
Restricting Parameters in the URL
Using HTTPS

Integrating Forms Applications with Other Technologies
Integrating with External Events
Integrating Reports
Integrating JavaScript

Managing Forms Services Instances
Managing Forms Services with Oracle Enterprise Manager
Configuring JVM Pooling
Enabling Reports Calls to Use the JVM Controller for Java Method Invocation
Managing User Sessions
Load Balancing
Achieving Maximum Availability

Troubleshooting Deployed Applications
Enabling testmode
Creating a Stack Trace File
Using Forms Trace to Record Information about Specific Events
Using Oracle Diagnostic Logging (ODL)
Detecting and Diagnosing Common Errors

Tuning Deployed Applications
Diagnosing Performance Issues
Built-In Optimizations
Co-locating the Forms Services and Data Server
Minimizing the Perceived Startup Time
Reducing the Required Network Bandwidth
Reducing Time to Draw Initial Screen
Using Other Tuning Techniques