

Oracle Application Express Workshop II

Course Duration: 24 Hours

Course Code: D60742GC20

1. Course Overview

The **Oracle Application Express (APEX) Workshop II** course is designed for developers who already have foundational knowledge of Oracle APEX and want to enhance their skills in developing scalable, secure, and feature-rich applications. This advanced-level course focuses on interactive reports, dynamic actions, RESTful Web Services, security, performance optimization, and application deployment. Participants will gain hands-on experience through practical labs and real-world use cases.

2. What You'll Learn?

By the end of this course, you will be able to:

- Build and manage complex Oracle APEX applications.
- Implement interactive reports, charts, and advanced UI components.
- Use dynamic actions to enhance application interactivity.
- Integrate RESTful Web Services with Oracle APEX applications.
- Apply security best practices and access control in applications.
- Optimize applications for performance and scalability.
- Deploy and manage APEX applications in different environments.

3. Target Audience

This course is ideal for:

- Application Developers
- Database Developers
- Technical Consultants
- Anyone who has completed APEX Workshop I and wants to advance their skills

4. Pre-Requisites

- Completion of **Oracle Application Express Workshop I** or equivalent knowledge
- Basic understanding of SQL and PL/SQL
- Familiarity with web technologies (HTML, CSS, JavaScript) is helpful

5. Course Content

Module 1: Review of APEX Fundamentals

- Quick recap of APEX architecture
- Application building basics

Module 2: Advanced Forms and Reports

- Interactive grids and reports
- Customizing report layouts and filters

Module 3: Dynamic Actions and Validations

- Enhancing interactivity with dynamic actions
- Client-side and server-side validations

Module 4: Charts and Data Visualization

- Creating charts, dashboards, and data visualizations
- Using APEX plug-ins for enhanced UI

Module 5: Security and Access Control

- Authentication and authorization schemes
- Session state protection and best practices

Module 6: Web Services Integration

- Consuming RESTful Web Services
- Exposing APEX applications as web services

Module 7: Application Deployment and Management

- Packaging and exporting applications
- Performance tuning and debugging tools

Module 8: Hands-On Projects and Best Practices

- Real-world scenarios and practical exercises
- Tips for efficient application development