

# Course : Oracle Application Express, developing applications for Oracle

Practical course - 3d - 21h00 - Ref. OAP

Price : 2040 CHF E.T.

This hands-on course will enable you to develop Web-based applications designed to access and present data from the Oracle database. You'll learn how the Oracle Application Express development environment, more commonly known as ApEx, works.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Discover APEX components
- ✓ Mastering APEX architecture
- ✓ Developing tailor-made RAD applications
- ✓ Setting up APEX security
- ✓ Installing external resources

## Intended audience

Application developers and administrators.

## Prerequisites

SQL and PL/SQL are preferred but not mandatory. Notions of HTML, CSS and JavaScript are required.

## Course schedule

### 1 Introduction

- Installation and configuration of Application Express.
- Use of database objects.
- Presentation of the user interface.
- Manage and maintain the application development process.
- Workspace login page.
- Workspace home page.

### Hands-on work

Get to grips with the environment and create a workspace.

### PARTICIPANTS

Application developers and administrators.

### PREREQUISITES

SQL and PL/SQL are preferred but not mandatory. Notions of HTML, CSS and JavaScript are required.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

## 2 Application Builder

- Create simple applications.
- Create forms and regions.
- Create query-based reports.
- Create interactive reports and customize presentations.
- Authentication model definition.
- Theme creation and management.
- Theme selection and copying of shared components.

### Hands-on work

Creating an application with forms and reports.

## 3 Event management

- Triggering processes.
- Graph creation and interactivity.
- Implementation of session variables.
- Setting controls on forms.
- Create interactive reports based on dynamic queries.

### Hands-on work

Creating interactive graphs and reports.

## 4 Dynamic actions

- JavaScript programming of input controls in APEX forms.
- Read and write access to APEX form data from stored procedures.
- Techniques for triggering PL/SQL calculations in the background.
- Create dynamic tree structures based on Oracle views.
- Definition of master-detail structures.
- Cascading selection lists.
- Programming PL/SQL controls on tabular forms.

### Hands-on work

Creation of master-detail reports and cascading picklists.

## 5 Workspace administration

- Application Express organization.
- Roles in Application Express.
- Application Express Administrator mode access.
- Create workspaces and edit various parameters.
- Increase the size of a workspace.

### Hands-on work

Workspace creation and management.

## Dates and locations

### REMOTE CLASS

2026: 17 June, 2 Nov.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) to review your request and its feasibility.