

# Course : Oracle Database, operation

Versions 23ai to 12c

Practical course - 5d - 35h00 - Ref. OEX

Price : 2740 € E.T.



What you need to know to run Oracle's DBMS efficiently and securely. We'll help you master the main mechanisms, understand startup processes, associated logs, backup techniques, import/export, user management...

## Teaching objectives

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

- ✓ Discover Oracle database architecture
- ✓ Identify the main activities involved in operating an Oracle database
- ✓ Manage storage structures and network access
- ✓ Stopping and starting a database
- ✓ Manage user access
- ✓ Backing up and restoring Oracle database data

## Intended audience

IT professionals who want to ensure reliable, efficient Oracle operation.

## Prerequisites

Good knowledge of Windows or Linux/Unix. Basic knowledge of SQL.

## Practical details

### Hands-on work

This highly practical course includes numerous exercises carried out in an Oracle environment under Unix.

## Course schedule

### PARTICIPANTS

IT professionals who want to ensure reliable, efficient Oracle operation.

### PREREQUISITES

Good knowledge of Windows or Linux/Unix. Basic knowledge of SQL.

### 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.

## 1 Introduction

- Oracle environment.
- File types used. Valid processes. Tablespaces. Dictionary.
- Operational tasks: instance monitoring, error message recovery, etc.
- Tools required. SQL overview. Script validation.
- Using SQL\*Plus in operations. Recovering DB structures.

## 2 User concept

- User characteristics. Retrieve login names, privileges and roles.
- Unlock a user account. Stop a blocked connection. Lock monitoring.
- Privileged users. SYS and SYSTEM.
- Use of sysoper and sysdba groups.

## 3 Managing storage structures

- OFA architecture.
- Tablespaces. Find database storage structures and occupancy rates.
- ROLLBACK/UNDO segments. Identify and monitor these segments.

## 4 Starting and stopping the database

- Database reports. How to use the various reports.
- Startup. Files used at startup. Problem detection. Automatic procedures.
- Shutdown. Monitoring of established connections.

## 5 Network access

- For server and clients. Enable SQL\*Net/Net layer on server.
- Configuration files. Startup scripts. Connection test.

## 6 Backups and restores

- Types of backup. Cold database backup. Archive mode. Archive mode presence test.
- Files to save for a hot backup. Hot backup.
- Recovery of error messages during database activation.
- Identify/restore corrupted files. RECOVER function.

## 7 Import/export and SQL\*Loader functions

- EXPORT to save a schema or database. Table loading.
- Message files. Load processing. Constraints.

## 8 Oracle specificities and evolutions

- Performance. Simplified maintenance. Security. Oracle Restart.
- Data Recovery Advisor and RMAN enhancements. Database migration.

### 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 to review your request and its feasibility.

## Dates and locations

### REMOTE CLASS

2026 : 22 June, 2 Nov.

### PARIS LA DÉFENSE

2026 : 22 June, 2 Nov.