

# Course : Oracle Database 23ai: Administration Workshop

**OFFICIAL COURSE: DIGITAL SUPPORT AVAILABLE FOR 90 DAYS ONLY**

*Practical course - 5d - 35h00 - Ref. OAW*

NEW

With this training course, you'll learn how to install, manage and secure an Oracle database. You'll learn how to create databases, configure Oracle Net Services, manage users, backups and prevent failures. Exercises are based on Oracle Database 23ai, but concepts also apply to previous versions.

## Teaching objectives

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

- ✓ Explain the memory architecture and processes of an Oracle database
- ✓ Configure listener and naming methods to establish connections
- ✓ Create and manage an Oracle database
- ✓ Manage tablespaces and optimize UNDO space
- ✓ Create and administer plug-in databases (PDBs)
- ✓ Manage users, roles and privileges
- ✓ Define and apply audit strategies, analyze results
- ✓ Configure and monitor automatic maintenance tasks
- ✓ Transport and import data between Oracle databases
- ✓ Monitor and optimize SQL and database performance

## Intended audience

Database administrators, database designers and developers.

## Prerequisites

Knowledge of databases, as well as a good command of technical English and IT vocabulary.

## Certification

This course helps you prepare for the [ Oracle Database 23ai Administration Certified Associate " exam (1Z0-182).

[Comment passer votre examen ?](#)

## PARTICIPANTS

Database administrators, database designers and developers.

## PREREQUISITES

Knowledge of databases, as well as a good command of technical English and IT vocabulary.

## TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

## ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

## Practical details

### Teaching methods

Animation de la formation en français. Support de cours et travaux pratiques en anglais, au format numérique et ACCESSIBLE UNIQUEMENT PENDANT 90 JOURS. Bonne compréhension de l'anglais à l'écrit.

## Course schedule

### 1 Introduction to database architecture and tools

- Oracle database architecture.
- Access to an Oracle database.
- Database management tools.

### 2 Database creation, management and settings

- Base creation with DBCA.
- SQL database creation.
- Start and stop a database.
- Database instance management.

### 3 Database connections

- Oracle Net Services.
- Configuration of naming methods.
- Listener configuration and administration.
- Shared server configuration.

### 4 Storage, tablespaces, space management and UNDO

- Database storage overview.
- Create and manage tablespaces.
- Optimized use of space.
- UNDO data management.

### 5 PDB creation and management

- PDB creation from seed model.
- Other PDB creation methods.
- PDB management.

### 6 User creation and management

- Create and manage user accounts.
- Configure privileges and roles.
- Set user resource limits.

### 7 Implementing Oracle Database auditing

- Understanding auditing.
- Configure auditing.

### TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

### TERMS AND DEADLINES

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

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

## 8 Data loading and transport

- Introduction to loading and transporting data.
- Data loading.
- Data transport.
- Use of external tables.

## 9 Database management and performance overview

- Automated maintenance tasks.
- Task and window management.
- Database performance monitoring.
- Database performance monitoring.