

Course : Oracle Database, advanced administration

Versions 23ai to 12c

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

Price : 2740 € E.T.

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This course is a must for anyone wishing to perfect their Oracle database administration skills. It will enable you to implement advanced features such as shared architecture management, job scheduling and database resource management.

Teaching objectives

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

-  Deepen your knowledge of Oracle DBMS administration
-  Evaluate advanced Oracle DBMS administration features
-  Configuring and starting a remote database
-  Managing a database with EM
-  Creating a CDB container
-  Implement a monitoring strategy

Intended audience

Oracle database administrators (18c to 23ai), application administrators, system administrators and consultants.

Prerequisites

Basic knowledge of Oracle DBMS administration. Or knowledge equivalent to that provided by the course "Oracle, DBMS administration" (ref. ORC). Experience required.

Course schedule

1 Introduction and reminders

- Automated installation via response file.
- Application of patches.
- Create and manage basic services.

Hands-on work

Create a service and a service start trigger.

PARTICIPANTS

Oracle database administrators (18c to 23ai), application administrators, system administrators and consultants.

PREREQUISITES

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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 EM and other tools

- Remote listener and connection filtering.
- EM Cloud Control, EM Database Express and SQL Developer.
- Network compression configuration.

Hands-on work

Configure and start a remote database. Manage databases with EM.

3 Shared architecture

- Creation of a CDB container base.
- Create, clone and delete a PDB database.
- Move a PDB from one CDB container to another.
- Manage tablespaces, users and privileges.

Hands-on work

Move a PDB base to a CDB container.

4 Resource Manager

- Database Resource Manager configuration.
- Create a new resource allocation plan.
- Pool of active sessions and maximum execution time.
- Create groups of resource consumers.
- Manage resources between PDBs.

Hands-on work

Création de plan de ressources.

5 Task scheduling with dbms_scheduler

- Jobs, Programs and Schedules.
- Advanced Oracle Scheduler concepts: classes and windows.
- Oracle Scheduler administration.

Hands-on work

Creation of dbms_scheduler jobs and programs.

6 Advanced monitoring

- Automatic Diagnostic repository and ADRCI.
- Draw DDLorders.
- Set alert thresholds and use alerts.
- Implement unified audit strategies.
- Monitor database operations.
- Blackout protection.
- Monitoring space usage and storage structures.

Hands-on work

Setting up an audit strategy.

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.

7 Grid Infrastructure (ASM)

- ASM architecture, features and installation.
- Instance and disk group management.
- Oracle Restart.

Exercise

DB migration to ASM.

8 Partitioning and data storage

- Partitioning by interval, system, virtual column, reference and composite.
- Partitioned table management.
- Automatic data movement and compression.

Exercise

Create partitioned tables/indexes. Automatically move and compress tables and partitions.

Dates and locations

REMOTE CLASS

2026 : 18 May