Publication date : 01/24/2024

Course : Oracle Database 19C: Administration Workshop

OFFICIAL COURSE: DIGITAL SUPPORT AVAILABLE FOR 90 DAYS ONLY

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

With this course, you will learn the basics of Oracle database administration and management. You will also gain a conceptual understanding of Oracle database architecture.

Teaching objectives

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

- Describe Oracle database architecture
- Describe the architecture and functionalities of Oracle Database Cloud Service (DBCS)
- Create and manage DBCS database deployments
- Configure the database to support your applications
- Manage database security and implement auditing
- Implement basic backup and recovery procedures
- Moving data between databases and files
- Use basic monitoring procedures and manage performance

Intended audience

Database and data warehouse administrators, database designers, support engineers and technical administrators.

Prerequisites

Completion of Oracle Database 19c: SQL Workshop or equivalent knowledge and skills. Understanding of English and IT-specific English vocabulary.

Certification

Successful completion of the exam leads to certification "Oracle Database Administration I".
Comment passer votre examen ?

PARTICIPANTS

Database and data warehouse administrators, database designers, support engineers and technical administrators.

PREREQUISITES

Completion of Oracle Database 19c: SQL Workshop or equivalent knowledge and skills. Understanding of English and IT-specific English 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.

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 the Oracle database
2. Accessing an Oracle database
3. Create an Oracle database using the DBCA tool
4. Create an Oracle database using a SQL command
5. Starting and stopping a database instance
6. Managing database instances
7. Oracle Net Services overview
8. Configuring naming methods
9. Configuring and administering the Listener
10. Configuring a shared server architecture
11. Configuring Oracle Connection Manager for multiplexing
12. Configuring Oracle Connection Manager for access control
13. Create pluggable databases (PDB) from a model (Seed)
14. Using other techniques to create PDBs
15. Managing PDBs
16. Database storage overview
17. Creating and managing tablespaces
18. Manage cancellation data

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.

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.

19 Configuring privilege and role authorizations

20 Setting user resource limits

21 Implement Oracle database auditing

22 Introduction to loading and transporting data

23 Load and transport data

24 Use external tables to load and transport data

25 Automated maintenance tasks: presentation

26 Automated maintenance tasks: task and Windows management

27 Overview of monitoring and control performance

28 Monitor database performance

29 Database processes

30 Managing memory

31 Analyze SQL performance and optimize access paths