Oracle Database 18c Essential Administration

Duration: 2 Days **Course Code: O18CEA** **Delivery Method: Virtual Learning**

Overview:

Oracle Database 18c Essential Administration Course Overview

English - Please note this course is only available in English.
Nederlands - Let op: deze training is alleen in het Engels beschikbaar.
Français - Veuillez noter que ce cours est uniquement disponible en anglais.
The Oracle Database 18c Essential Administration course is designed for Database Administrators of small sized databases

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Who will the Course Benefit?

The Oracle Database 18c Essential Administration course is aimed at Database Administrators of small sized databases who need to install the Oracle Database 18c software,create,monitor and support an Oracle Database 12c database.
The Oracle Database 18c Essential Administration course is also suitable for support staff and personnel who are required to carry out occasional administration or troubleshooting tasks. It aims to gives delegates practical experience in installing Oracle Database 18c software,configuring the database,performing basic monitoring of the database and in carrying out basic administration tasks.

Objectives:

- Course Objectives
- The Oracle Database 18c Essential Administration course is designed to provide the knowledge and skills needed to successfully manage an Oracle database.

Prerequisites:

Delegates wishing to attend the Oracle Database 18c Essential Administration course should have an understanding of relational database concepts and basic operating system knowledge. They should also have a working knowledge of Oracle SQL,this can be gained by attendance on the pre-requisite course.

This course is run on a Linux operating system,a basic knowledge of UNIX/Linux is recommended but is not essential.

Follow-on-Courses:

Further Learning

- Oracle Database 19c Administration
- Oracle PL/SQL
- Oracle SQL Advanced

Content:

Oracle Database 18c Essential Administration Training Course Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: INTRODUCTION

- Oracle product overview
- Oracle Support services
- Relational database concepts
- Oracle architecture
- Oracle Multitenant architecture
- Overview of the Oracle Cloud
- Database administration tasks
- Database administration responsibilities

Session 2: INSTALL THE ORACLE DATABASE SOFTWARE WITH THE OIU

- Installation planning
- Understand system requirements and operating system pre-requisites
- Oracle flexible architecture
- Environment variables
- Use Oracle Universal Installer to install Oracle software (OUI)
- The Oracle Inventory
- De-install Oracle Database softare

Session 3: CREATE A DATABASE WITH THE DATABASE CONFIGURATION ASSISTANT (DBCA)

- Select a storage method
- Select a CDB or non-CDB database
- Select a database type based on workload
- Select a character set for the database
- Create a database using the DBCA

Session 4: ADMINISTER A DATABASE

- Administrative tools available to a DBA
- Use SQL*Plus and SQL Developer to manage a database
- Administer the database using Enterprise Manager Express
- An overview of Enterprise Manager Cloud Control

Session 5: CONFIGURE THE ORACLE NETWORK ENVIRONMENT

- Overview of network configuration
- Oracle Net Listener configuration and management
- Oracle Net Naming methods
- Tools for configuring and managing the Oracle network
- Configure local naming for client connections with Net Manager
- Start and stop the Oracle listener
- Configure the listener with EM
- Use TNSPING to test Oracle Net connectivity
- Connect to the database Oracle Database 18c Essential Administration Training Course Course Contents - DAY 2

Session 6: MANAGE AN ORACLE INSTANCE

- Oracle Instance
- Instance management
- Memory structures
- Background processes
- Database authentication methods
- Initialization parameters
- Password file
- Shut down the database
- Start up the database
- View alert log and trace files

Session 7: DATABASE STORAGE STRUCTURES

- Oracle database structures
- Control files
- Redo log and archive redo log files
- Tablespaces and data files
- Create tablespaces
- Manage tablespaces
- Manage undo and use the Undo Advisor
- Use Enterprise Manager Express and SQL Developer to view the storage structure of the database

Session 8: MANAGE USERS

- Database administration accounts
- User accounts
- Create and administer user accounts

Session 9: MANAGE SCHEMA OBJECTS

- Create schema objects
- Create a new table
- View the attributes and contents of a table
- Understand data integrity
- Define constraints
- Create indexes
- View index attributes
- Create views
- Create synonyms
- Create sequences

Session 10: BACKUP,RECOVER AND RESTORE A DATABASE

- Oracle backup strategy
- Overview of backup,restore and recovery
- Backup and recovery configuration
- Configure ARCHIVELOG mode
- Overview of backup and recovery operations
- Overview of scheduled backups
- Configure backup settings
- Configure recovery settings
- Perform recovery

Session 11: PERFORMANCE MONITORING

- Overview of self-monitoring architecture
- Monitor an Oracle database
- Automatic Workload Repository
- Automatic Database Diagnostics Monitor (ADDM)
- Additional monitoring
- Use the advisors

- Lock and unlock user accounts
- Change a user's password
- Administer privileges and roles

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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www.globalknowledge.com/en-be/