Oracle Database 19c Essential Administration

Cursusduur: 2 Dagen **Cursuscode: O19CEA** **Trainingsmethode: Virtual Learning**

Beschrijving:

Oracle Database 19c 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 19c Essential Administration course is designed for Database Administrators of small sized databases

Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor)of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

Doelgroep:

Who will the Course Benefit?

The Oracle Database 19c Essential Administration course is aimed at Database Administrators of small sized databases who need to install the Oracle Database 19c software,create,monitor and support an Oracle Database 12c database.
The Oracle Database 19c 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 19c software,configuring the database,performing basic monitoring of the database and in carrying out basic administration tasks.

Doelstelling:

- Course Objectives
- The Oracle Database 19c Essential Administration course is designed to provide the knowledge and skills needed to successfully manage an Oracle database.

Vereiste kennis en vaardigheden:

Delegates wishing to attend the Oracle Database 19c 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.

Vervolgcursussen:

Further Learning

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

Cursusinhoud:

Oracle Database 19c 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 19c 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

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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