

# ODAT-49 - ORACLE DATABASE 19C: ADMINISTRATION WORKSHOP

Categoria: **Database**

## INFORMAZIONI SUL CORSO



Durata:  
5 Giorni



Categoria:  
Database



Qualifica Istruttore:  
Oracle Certified  
Professional



Dedicato a:  
Professionista IT



Produttore:  
Oracle

## OBIETTIVI

- Describe Oracle Database architecture
- Explain Oracle Database Cloud Service (DBCS) architecture and features
- 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
- Move data between databases and files
- Employ basic monitoring procedures and manage performance

## PREREQUISITI

### Suggested Prerequisite

- A working knowledge of SQL and PL/SQL packages is very helpful in the course.
- Basic knowledge of Linux operating system

## CONTENUTI

### 1: Introduction to Oracle Database

- Database Server Architecture
- Course Practice Environment: Security Credentials

### 2: Accessing an Oracle Database

- Accessing an Oracle Database
- Demonstration: Usage of general DBCA Tools to Interact with Database

### 3: Creating an Oracle Database by Using DBCA

- Creating a Database Using DBCA
- Practice 3-1: Creating a New CDB (Part 01)
- Practice 3-1: Creating a New CDB (Part 02)

### 4: Creating an Oracle Database by Using a SQL Command

- Creating Database using SQL Command

- Practice 4-1: Creating a New CDB (Part 01)
- Practice 4-1: Creating a New CDB (Part 02)
- Practice 4-1: Creating a New CDB (Part 03)

## **5: Starting Up and Shutting Down a Database Instance**

- Starting Up and Shutting Down a Database Instance
- Opening and Closing PDBs
- Practice 5-1: Shutting Down and Starting Up the Oracle Database

## **6: Managing Database Instances**

- Managing the Database
- Practice 6-1: Investigating Initialization Parameter Files
- Practice 6-2: Viewing Initialization Parameters by Using SQL\*Plus (Part 01)
- Practice 6-2: Viewing Initialization Parameters by Using SQL\*Plus (Part 02)
- Practice 6-3: Modifying Initialization Parameters by Using SQL\*Plus
- Practice 6-4: Viewing Diagnostic Information

## **7: Oracle Net Service: Overview**

- Configuring and Administering Oracle Net Service
- Course Practice Environment: Security Credentials

## **8: Configuring Naming Methods**

- Oracle Net Components
- Naming Method
- Practice 2-1: Configuring the Oracle Network to Access a Database (Part 01)
- Practice 2-1: Configuring the Oracle Network to Access a Database (Part 02)
- Practice 2-2: Creating a Net Service Name for a PDB

## **9: Configuring and Administering the Listener**

- Configuring and Administering the Listener
- Practice 3-1: Exploring the Default Listener
- Practice 3-2: Creating a Second Listener
- Practice 3-3: Connecting to a Database Service Using the New Listener

## **10: Configuring a Shared Server Architecture**

- Configuring a Shared Server Architecture
- Practice 4-1: Configuring Shared Server Mode
- Practice 4-2: Configuring Clients to Use a Shared Server

## **11: Configuring Oracle Connection Manager for Multiplexing and Access Control**

- Connection Manager
- Practice 5-1: Installing Oracle Instant Client
- Practice 5-2: Configuring the cman.ora File
- Practice 5-3: Configuring the Database for Oracle Connection Manager
- Practice 5-4: Configuring Clients for Oracle Connection Manager
- Practice 5-5: Configuring the Oracle Database Server for Session Multiplexing

## **12: Creating PDBs from Seed**

- Creating PDBs from Seed

- Provisioning New Pluggable Databases-(Continued)
- Practice 1-1: Creating a New PDB from the PDB Seed

### **13: Using Other Techniques to Create PDBs**

- Using Other Techniques to Create PDBs
- Method of Creating and Migrating PDBs
- Practice 2-1: Cloning Remote PDBs in Hot Mode (Part 01)
- Practice 2-1: Cloning Remote PDBs in Hot Mode (Part 02)
- Practice 2-2: Relocating PDBs

### **14: Managing PDBs**

- Managing PDBs
- Practice 3-1: Renaming a PDB
- Practice 3-2: Setting Parameter Values for PDBs

### **15: Database Storage Overview**

- Database Storage Overview
- Purpose of the Default Tablespaces
- Storage of Data in Blocks
- Advantage of Deferred Segment Creation
- Course Practice Environment: Security Credentials

### **16: Creating and Managing Tablespaces**

- Creating and Managing Tablespaces
- Viewing Tablespace Information
- Practice 2-1: Viewing Tablespace Information
- Practice 2-2: Creating a Tablespace (Part 01)
- Practice 2-2: Creating a Tablespace (Part 02)
- Practice 2-3: Managing Temporary and Permanent Tablespaces

### **17: Improving Space Usage**

- Space Management Features
- Creating Global Temporary Tables
- Practice 3-1: Managing Space in Tablespaces (Part 01)
- Practice 3-1: Managing Space in Tablespaces (Part 02)
- Practice 3-1: Managing Space in Tablespaces (Part 03)
- Practice 3-2: Using Compression
- Practice 3-3: Enabling the Resumable Space Allocation Feature (Part 01)
- Practice 3-3: Enabling the Resumable Space Allocation Feature (Part 02)

### **18: Managing Undo Data**

- Managing the Undo
- Enabling Temporary Undo
- Practice 4-1: Managing Undo Tablespaces in a PDB

### **19: Creating and Managing User Accounts**

- Creating and Managing User Accounts
- Creating Common Users in the CDB and PDBs
- Assigning Quotas

- Practice 1-1: Creating Common and Local Users
- Practice 1-2: Creating a Local User for an Application
- Practice 1-3: Exploring OS and Password File Authentication

## **20: Configuring Privilege and Roles Authorization**

- Configuring Privilege and Roles Authorization
- Practice 2-1: Granting a Local Role (DBA) to PDBADMIN
- Practice 2-2: Using SQL\*Developer to Create Local Roles

## **21 :Configuring User Resource Limits**

- Configuring User Resource Limits
- Practice 3-1: Using SQL\*Developer to Create a Local Profile
- Practice 3-2: Using SQL\*Developer to Create Local Users (Part 01)
- Practice 3-2: Using SQL\*Developer to Create Local Users (Part 02)
- Practice 3-3: Configuring a Default Role for a User

## **22: Implementing Oracle Database Auditing**

- Implementing Oracle Database Auditing
- Configuring Auditing
- Viewing Audit Policy Information
- Practice 4-1: Enabling Unified Auditing
- Practice 4-2: Creating Audit Users
- Practice 4-3: Creating an Audit Policy

## **23: Introduction Loading and Transporting Data**

- Introduction Loading and Transporting Data
- Course Practice Environment: Security Credentials

## **24: Loading Data**

- Loading Data
- Practice 2-1: Loading Data into a PDB from an External File

## **25: Transporting Data**

- Transporting Data
- Using the RMAN Convert Command
- Practice 3-1: Moving Data from One PDB to Another PDB (Part 01)
- Practice 3-1: Moving Data from One PDB to Another PDB (Part 02)
- Practice 3-2: Transporting a Tablespace

## **26: Using External Tables to Load and Transport Data**

- Using External Tables to load Transport Data
- External Table Demo
- Practice 4-1: Querying External Tables
- Practice 4-2: Unloading External Tables

## **27: Automated Maintenance Tasks: Overview**

- Automated Maintenance Tasks: Overview
- Automated Maintenance Tasks: Components
- Course Practice Environment: Security Credentials

**28: Automated Maintenance Tasks: Managing Tasks and Windows**

- Configuring Automated Maintenance Tasks
- Practice 2-1: Enabling and Disabling Automated Maintenance Tasks
- Practice 2-2: Modifying the Duration of a Maintenance Window

**29: Database Monitoring and Performance Tuning Overview**

- Database Monitoring and Tuning Performance Overview

**30: Monitoring Database Performance**

- Understanding What Database Performance is Monitored

**31: Tuning Database Performance**

- Tuning Database Performance
- Demo: Navigating around Cloud Control, Using and Accessing information
- Demo: Navigating around Performance area in your Database

**32: Analyzing SQL and Optimizing Access Paths**

- Analyzing SQL and Optimizing Access Paths
- Adaptive Execution Plans

**INFO**

**Materiale didattico:** Materiale didattico ufficiale Oracle in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)