

# ODAT-9 - ORACLE DATABASE: DEPLOY, PATCH AND UPGRADE WORKSHOP

## ED 1

Categoria: **Database**

### INFORMAZIONI SUL CORSO



**Durata:**  
2 Giorni



**Categoria:**  
Database



**Qualifica Istruttore:**  
Oracle Certified  
Professional



**Dedicato a:**  
Professionista IT



**Produttore:**  
Oracle

### OBIETTIVI

- Install Oracle Grid Infrastructure for a Standalone Server
- Configure ASMLIB and create ASM disk groups
- Apply the latest patch set updates to the Grid Infrastructure software
- Install Oracle Database software
- Use Oracle Restart to manage components
- Prepare the Linux operating system for Oracle software installation
- Upgrade Oracle Database
- Create a container database
- Install Oracle Grid Infrastructure for an Independent Server
- Create an Oracle Database using DBCA
- Install the latest patch set updates to the Oracle database software

### PREREQUISITI

#### **Prerequisiti obbligatori:**

Conoscenza di SQL e uso di pacchetti PL / SQL

#### **Prerequisiti suggeriti:**

Conoscenza di base del sistema operativo Linux

### CONTENUTI

#### **Oracle Database Overview**

- Oracle Database Introduction
- Oracle Database Architecture Overview
- Oracle Database Instance Configurations
- Oracle Database Memory Structures
- Process Structures
- Database Storage Architecture
- Logical and Physical Database Structures

- Container and Pluggable Database Overview

### **Installing Oracle Grid Infrastructure for a Standalone Server**

- Overview of Oracle Grid Infrastructure for a Standalone Server
- System Requirements for Oracle Grid Infrastructure
- Configuring Storage for Oracle Automatic Storage Management (ASM)
- Installing Oracle Grid Infrastructure for a Standalone Server
- Upgrading Oracle Grid Infrastructure for a Standalone Server

### **Installing Oracle Database Software**

- Planning Your Installation
- System Requirements for Oracle Database
- Preparing the Operating System
- Using 4 KB Sector Disks
- Setting Environment Variables
- Checking the System Requirements
- Using the Oracle Universal Installer (OUI)
- Performing a Silent Mode Installation

### **Creating an Oracle Database by Using DBCA**

- Planning the Database Storage Structure
- Choosing non-CDB or CDB
- Types of Databases (based on workload)
- Choosing the Appropriate Character Set
- Understanding How Character Sets are Used
- Setting the NLS\_LANG Initialization Parameter
- Using the Database Configuration Assistant (DBCA)

### **Using Oracle Restart**

- Oracle Restart Overview
- Oracle Restart Process startup
- Controlling Oracle Restart
- Choosing the Correct SRVCTL Utility
- Oracle Restart Configuration
- Using the SRVCTL Utility
- Obtaining Help for the SRVCTL Utility
- Starting Components by Using the SRVCTL Utility

### **Introduction to Upgrading to Oracle Database**

- Upgrade Methods
- Data Migration Methods
- Supported Releases for Direct Upgrade
- Overview of Upgrade Process
- Performing a Rolling Upgrade
- Upgrading a CBD

### **Preparing to Upgrade to Oracle Database**

- Developing a Test Plan
- Performance Testing

- Requirements for Databases Using Oracle Label Security or Oracle Database Vault
- Requirement for Databases Using Oracle Warehouse Builder
- Using the Pre-Upgrade Information Tool
- Backing Up the Database
- Installing the Oracle Database Software
- Preparing the New Oracle Home

### **Upgrading to Oracle Database**

- Upgrading by Using the Database Upgrade Assistant (DBUA)
- Manually Upgrading to Oracle Database
- Migrating a non-CDB to a CDB

### **Performing Post-Upgrade Tasks**

- Migrating to Unified Auditing
- Performing Post-Upgrade Tasks Following a Manual Upgrade

### **Migrating Data by Using Oracle Data Pump**

- Data Pump Overview
- Migrating by Using Data Pump
- Importing by Using a Network Link

## **INFO**

**Manuale:** Il Materiale Didattico Ufficiale per tutti i corsi Oracle University non è in forma cartacea ma consiste in un eKit elettronico che lo studente iscritto può scaricare dal sito Oracle. Il Materiale Didattico è compreso nel prezzo sia per i corsi a Calendario sia per quelli Dedicati.

**Prezzo manuale:** incluso nel prezzo del corso a Calendario

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