Corso Oracle Database 12c: Install and Upgrade Workshop

Durata: 2 giornate

Scopo del corso:

Questo corso fornisce informazioni dettagliate per aiutarti a installare il software Oracle Database 12c. Gli istruttori Oracle esperti ti insegneranno come creare un database container e fornire database collegabili. In questo corso, ti verrà inoltre presentato Oracle Database Cloud Service.

Grazie a questo corso sarai in grado di:

-Installare Oracle Grid Infrastructure per un server autonomo

-Utilizzare Oracle Restart per gestire i componenti.

-Aggiornare un database Oracle esistente a Oracle Database 12c.

-Creare un database container e fornire database collegabili.

-Acquisire una conoscenza del servizio cloud di database Oracle.

A chi è rivolto:

Agli Administrator e nello specifico ai Database Administrator

Obiettivi del corso:

• Acquisire una comprensione del servizio Cloud database Oracle

• Installare Oracle Grid Infrastructure per un server autonomo

• Utilizzare Oracle Restart per gestire i componenti

• Aggiornare il database al database Oracle 12c

• Creare un database container

• Creare un database Oracle

• Installare il software Oracle Database 12c

Contenuti:

Oracle Database 12c Overview

- Oracle Database 12c 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 12c

- 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 12c

- 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 12c Software
- Preparing the New Oracle Home

Upgrading to Oracle Database 12c

- Upgrading by Using the Database Upgrade Assistant (DBUA)
- Manually Upgrading to Oracle Database 12c
- 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