

## ORA1133

### Oracle Database 12c: Install and Upgrade Workshop

Durata: 2 gg

#### Descrizione

Questo corso Database Oracle 12c: Installazione e aggiornamento workshop fornisce informazioni dettagliate utili per installare Oracle Database software 12c. Istruttori esperti Oracle vi insegnerà come creare un database contenitore e il provisioning dei database pluggable.

#### OBIETTIVI

Al termine del corso gli allievi saranno in grado di:

- Installare Oracle Grid Infrastructure per un server standalone
- Utilizzare Oracle Restart per gestire i componenti
- Aggiornare il database Oracle Database 12c
- Creare un database container
- Creare un database Oracle
- Installare il software Oracle Database 12c

#### A chi è rivolto?

Professionisti IT.

#### Prerequisiti

Per partecipare con profitto a questo corso è necessario che gli allievi possiedano i seguenti prerequisiti:

Prerequisiti obbligatori:

Conoscenza di SQL e uso di pacchetti PL / SQL

Prerequisiti suggeriti:

Conoscenza di base del sistema operativo Linux

#### 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