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# Oracle Database 12c: Install and Upgrade Workshop

- **Formato do curso:** Presencial
- **Localidade:** Lisboa
- **Data:** 18 Jul. 2019 a 19 Jul. 2019
- **Preço:** 900€
- **Horário:** Laboral - das 09h30 às 17h30
- **Nível:** Intermédio
- **Duração:** 12 horas

O curso aborda a instalação de software Oracle 12c, bem como a criação de container e pluggable databases, para além de ensinar a fazer upgrade de versões anteriores.

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## Destinatários

Para quem quer iniciar e saber fazer uma instalação de Base de Dados Oracle.

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## Pré-requisitos

Conhecimentos de Linux.

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## Objectivos

No final da ação de formação os participantes deverão estar aptos a:

- Instalar Oracle Grid Infrastructure para um Standalone Server
- Uso do Oracle Restart
- Upgrade de uma base de dados para Oracle Database 12c
- Criar uma container database
- Criar uma Oracle Database
- Instalar Oracle Database 12c software

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## Programa

### 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