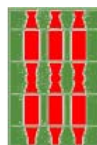




Unione Europea
Fondo Sociale Europeo



Ministero dei Lavori
e delle Politiche Sociali
Ufficio Centrale OFPL



Regione dell'Umbria



Provincia di Terni

RenderCAD S.r.l.

Formazione

Corso **Oracle: Database Administration Fundamentals I**

Descrizione

Il corso affronta le caratteristiche di Oracle9i e Oracle9i Release 2. In questo corso, rivolto ai database administrator (DBA) Oracle, vengono descritte in modo approfondito le attività di amministrazione di base dei database. Viene illustrata in dettaglio l'architettura dei database Oracle e viene spiegato il modo in cui le strutture architettoniche di un database Oracle9i interagiscono tra di loro. Viene anche indicato come creare un database operativo e gestire le varie strutture in maniera appropriata ed efficace al fine di ottenere un database operativo progettato in modo corretto. Oltre alla spiegazione dei diversi comandi necessari per eseguire le attività del DBA, in questo corso viene anche indicato come eseguire le stesse attività mediante lo strumento Oracle Enterprise Manager. I concetti appresi durante le lezioni spiegate dall'istruttore vengono poi applicati nel corso di esercitazioni pratiche strutturate. Questo corso prepara al corrispondente esame Oracle Certified Associate: (#1Z0-031).

Argomenti

Oracle Architectural Components

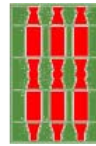
- Defining an Oracle Database, the Oracle server, and the Oracle Instance
- Establishing a connection and creating a session
- Understanding the physical structure
- Understanding the memory structure
- Understanding the process structure
- Understanding the logical structure
- Outlining the stages of an SQL statement



Unione Europea
Fondo Sociale Europeo



Ministero dei Lavori
e delle Politiche Sociali
Ufficio Centrale OFPL



Regione dell'Umbria



Provincia di Terni

RenderCAD S.r.l.

Formazione

Corso **Oracle: Database Administration Fundamentals I**

Getting Started with the Oracle Server

Identifying database administrative tools

Identifying the features of the Universal Installer

Defining the Optimal Flexible Architecture

Creating a database during installation

Creating a new database

Identifying database administrative users

Understanding operating system and password file authentication

SQL*Plus

Enterprise Manager

Managing an Oracle Instance

Creating, managing, and using initialization files: PFILE and SPFILE

Identifying the various states of starting an instance

Identifying the various options available to shutdown an instance

Monitoring Alert and Trace files

Creating a Database

Using the Database Configuration Assistant to create a database

Creating a database manually

Using the Data Dictionary

Identifying the uses and contents of the data dictionary

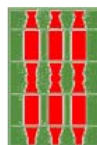
Using the data dictionary to retrieve information about the database



Unione Europea
Fondo Sociale Europeo



Ministero dei Lavori
e delle Politiche Sociali
Ufficio Centrale OFPL



Regione dell'Umbria



Provincia di Terni

RenderCAD S.r.l.

Formazione

Corso **Oracle: Database Administration Fundamentals I**

Maintaining the Control File

Explaining the uses of the control file
Listing the contents of the control file
Multiplexing the control file
Managing control file with Oracle Managed Files (OMF)
Obtaining control file information

Maintaining Redo Log Files

Explaining the purpose of and how online redo log files work
Control log switches and checkpoints
Maintaining online redo log files
Managing online redo log files using OMF
Multiplexing and maintaining online redo log files
Archiving online redo log files
Obtaining online and archived redo log file information

Managing Tablespaces and Datafiles **Describing storage hierarchy**

Establishing the difference between SYSTEM and Non-SYSTEM tablespaces

Creating and managing tablespaces
Creating a tablespace when using OMF
Obtaining tablespace and datafile information

Storage Structures and Relationships

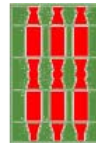
Describing the logical structure of the database (segments, extents, blocks)



Unione Europea
Fondo Sociale Europeo



Ministero dei Lavori
e delle Politiche Sociali
Ufficio Centrale OFPL



Regione dell'Umbria



Provincia di Terni

RenderCAD S.r.l.

Formazione

Corso **Oracle: Database Administration Fundamentals I**

Listing the segment types and their uses
Understanding the use of extents and their allocation and deallocation
Understanding the structure of a database block
Maintaining storage structures with automatic segment - space management
Maintaining storage structures manually
Obtaining storage structure information

Managing Undo Data

Understanding the difference between automatic undo management and manual undo management

Creating and maintaining UNDO tablespaces

Obtaining undo information

Managing Tables

Creating and maintaining tables using appropriate storage settings
Obtaining table information

Managing Indexes

Listing the different types of indexes and their uses
Creating b-tree and bitmap indexes
Maintaining Indexes

Identifying unused indexes

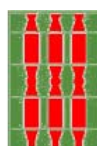
Obtaining index Information.



Unione Europea
Fondo Sociale Europeo



Ministero dei Lavori
e delle Politiche Sociali
Ufficio Centrale OFPL



Regione dell'Umbria



Provincia di Terni

RenderCAD S.r.l.

Formazione

Corso **Oracle: Database Administration Fundamentals I**

Obiettivi

Manage tablespaces, segments, extents, and blocks
Manage users, privileges, and resources
Create an operational database
Start up and shut down an Oracle instance and database
Manage Oracle database files
Use Globalization Support features

Partecipanti

Amministratori di database.

Docenti

Personale docente Oracle University.

Durata del corso: **30 ore, in 5 giorni.**