

Oracle Database 10g: 2 Day DBA Release 2

What you will learn

The goal of this course is to teach Database Administrators how to install the Oracle Database software and perform the tasks required to manage an Oracle database. Enterprise Manager is used exclusively throughout to teach students how to quickly accomplish the required task. Emphasis is on the self-managing capabilities and automatic features of Oracle Database 10g. This course is targeted towards Database Administrators of small to medium sized businesses.

Learn To:

- Install the Database
- Monitor and Tune the Database
- Navigate in the EM
- Manage the Oracle Instance
- Perform Backup and Recovery
- Administer Users and Security

Audience

Database Administrators
SAP Administrator
Sales Consultants

Course Objectives

Installing the Oracle Database software and creating a database
Using Enterprise Manager Database Control to manage the database
Configuring and managing the Oracle Network environment
Managing database storage structures
Administering users and security
Managing schema objects
Backing up and recovering the Oracle database
Monitoring the database and using the Advisors
Updating Oracle software with patch releases
Tuning the database

Course Topics

Overview of Oracle Database Administration

Overview of the Oracle Instance and Database
Tasks of an Oracle Database Administrator
Tools Used to Administer an Oracle Database

Installing Oracle Software and Creating the Database

Using the Oracle Universal Installer (OUI)

Installation Pre-requisites

Installing the Oracle Software

Using the Database Configuration Assistant (DBCA) to Create a Database

Using DBCA to Manage Templates

Using DBCA to Add Options to Your Database

Using Oracle Enterprise Manager Database Control and SQL*Plus

Overview of Administering the Database Using Enterprise Manager (EM)

Starting the EM Database Console

Enterprise Manager Navigation

Granting EM Administrative Privileges

Using SQL*Plus and iSQL*Plus to Access Your Database

Configuring the Oracle Network Environment

Network Configuration Overview

Oracle Net Listener Configuration and Management

Oracle Net Naming Methods

Tools for Configuring and Managing the Oracle Network

Managing the Oracle Instance

Oracle Instance and Instance Management

Accessing the Oracle Database

Initialization Parameters and Password File

Starting Up and Shutting Down the Instance

Viewing the Alert Log and Trace Files

Managing Database Storage Structures

Oracle Database Structures

Creating a New Tablespace

Managing Undo and Using the Undo Advisor

Multiplexing the Redo Log File

Administering Users and Security

Overview of Users and Security

Creating and Administering Users

Locking and Unlocking Accounts

Setting Passwords

Administering Privileges and Roles

Managing Schema Objects

Creating Schema Objects

Creating and Modifying Tables

Understanding Data Integrity and Defining Constraints

Viewing the Attributes and Contents of a Table

Creating Indexes and Views
Loading Data

Performing Backup and Recovery

Backup, Restore and Recovery Concepts
Configuring the Database for Backup and Recovery
Configuring Backup Settings
Backing Up the Database Using EM
Whole Database Backups
Oracle-Suggested Backup Strategy
Restoring and Recovering the Whole Database

Monitoring and Tuning the Database

Monitoring the Oracle Database
Self-Monitoring Architecture
Monitoring and Tuning Usage Model
Using the Advisors

Managing Oracle Software

Working with Oracle Support
Search MetaLink
Logging TARs
Applying a Patch Release