MIRACLE
Corporate Solutions Pvt. Ltd.

ORACLE ORACL

Corporate Trainer's Profile

Corporate Trainers are having the experience of 4 to 12 years in development , working with TOP CMM level 5 comapnies (Project Leader /Project Manager) qualified from NIT/IIT/IIM and work exp in USA and UK.

cmmi 5 LEVEL

Projects

CMM (Capability Maturity Model) level Project Standard:-

The Capability Maturity Model (CMM) is a method for evaluating the maturity of organizations on a scale of 1 to 5.
Get the Oppertunites to work on Client Projects Of US/UK, which follow the all standard of CMM level 5 Company.

Best COMPANIES TO WORK FOR IN INDIA

Birlasoft®   Tech Mahindra   ORACLE®   FUJITSU
IT Services and Telecom Solutions

IBM   HCL   patni   impetus   WIPRO
Applying Thought

iZ0-052:- Oracle 11g Admin DBA Certification

Oracle 11g Release 2 Admin I - OCA Certfication Exam Syllabus

This course is designed to give participants a firm foundation in basic administration of Oracle Database 11g. In this class, participants learn how to install and maintain Oracle Database 11g. They gain a conceptual understanding of the Oracle database architecture and how its components work and interact with one another.

They also learn how to create an operational database and properly manage the various structures in an effective and efficient manner including performance monitoring, database security, user management, and backup/recovery techniques. Get trained by the Best Oracle DBA training institute in Bangalore

Duration :
40 hrs

Availability: Both Weekend

Trainer Profile: Oracle Certified & Experienced real time Professional working with leading MNC

Pre-requisite/s:
Working knowledge of SQL

Course Objectives:
Describe Oracle Database Architecture
Install and configure Oracle Database 11g
Configure Oracle Net services
Manage the database storage structures
Create and administer user accounts
Perform basic backup and recovery of a database
Manage users and schemas
Manage data and concurrency
Monitor and administer undo data
Backup and recover a database
Monitor performance
Use the database diagnostic monitor

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Course Topics

Exploring the Oracle Database Architecture

- o Oracle Database Architecture Overview
- o Oracle ASM Architecture Overview
- o Process Architecture
- o Memory structrues
- o Logical and physical storage structures
- o ASM storage components

Installing your Oracle Software

- o Tasks of an Oracle Database Administrator
- o Tools Used to Administer an Oracle Database
- o Installation: System Requirements
- o Oracle Universal Installer (OUI)
- o Installing Oracle Grid Infrastructure
- o Installing Oracle Database Software
- o Silent Install

Creating an Oracle Database

- o Planning the Database
- o Using the DBCA to Create a Database
- o Password Management
- o Creating a Database Design Template
- o Using the DBCA to Delete a Database

Managing the Oracle Database Instance

- o Start and stop the Oracle database and components
- o Use Oracle Enterprise Manager
- o Access a database with SQLPlus
- o Modify database installation parameters
- o Describe the stages of database startup
- o Describe database shutdown options
- o View the alert log
- o Access dynamic performance views

Manage the ASM Instance
- o Set up initialization parameter files for ASM instance
- o Start up and shut down ASM instances
- o Administer ASM disk groups

Configuring the Oracle Network Environment
- o Use Enterprise Manager to create and configure the Listener
- o Enable Oracle Restart to monitor the listener
- o Use tnsping to test Oracle Net connectivity
- o Identify when to use shared servers and when to use dedicated servers

Managing Database Storage Structures
- o Storage Structures
- o How Table Data Is Stored
- o Anatomy of a Database Block
- o Space Management in Tablespaces
- o Tablespaces in the Preconfigured Database
- o Actions with Tablespaces
- o Oracle Managed Files (OMF)

Administering User Security
- o Database User Accounts
- o Predefined Administrative Accounts
- o Benefits of Roles
- o Predefined Roles
- o Implementing Profiles

Managing Data Concurrency
- o Data Concurrency
- o Enqueue Mechanism
- o Resolving Lock Conflicts
- o Deadlocks

Managing Undo Data
- o Data Manipulation
- o Transactions and Undo Data
- o Undo Data Versus Redo Data
- o Configuring Undo Retention

Implementing Oracle Database Auditing
- o Describe DBA responsibilities for security
- o Enable standard database auditing
- o Specify audit options
- o Review audit information
- o Maintain the audit trail

Database Maintenance
- o Manage optimizer statistics
- o Manage the Automatic Workload Repository (AWR)
- o Use the Automatic Database Diagnostic Monitor (ADDM)
- o Describe and use the advisory framework
- o Set alert thresholds
- o Use server-generated alerts
- o Use automated tasks

Performance Management
- o Performance Monitoring
- o Managing Memory Components
- o Enabling Automatic Memory Management (AMM)
- o Automatic Shared Memory Advisor
- o Using Memory Advisors
- o Dynamic Performance Statistics
- o Troubleshooting and Tuning Views
- o Invalid and Unusable Objects

Backup and Recovery Concepts
- o Part of Your Job
- o Statement Failure
- o User Error
- o Understanding Instance Recovery
- o Phases of Instance Recovery
- o Using the MTTR Advisor
- o Media Failure
- o Archive Log Files

Performing Database Backups using RMAN
- o Backup Solutions: Overview
- o Oracle Secure Backup
- o User-Managed Backup
- o Terminology
- o Recovery Manager (RMAN)
- o Configuring Backup Settings
- o Backing Up the Control File to a Trace File
- o Monitoring the Flash Recovery Area

Performing Database Recovery
- o Opening a Database
- o Data Recovery Advisor
- o Loss of a Control File
- o Loss of a Redo Log File
- o Data Recovery Advisor
- o Data Failures
- o Listing Data Failures
- o Data Recovery Advisor Views

Data Replication
- o Describe ways to move data
- o Create and use directory objects
- o Use SQL*Loader to move data
- o Use external tables to move data
- o General architecture of Oracle Data Pump
- o Use Data Pump export and import to move data

The course DOES NOT cover the following key Grid technologies:

(1) Enterprise Manager Grid Control   (3) Streams

(2) Real Application Clusters   (4) Data Guard.
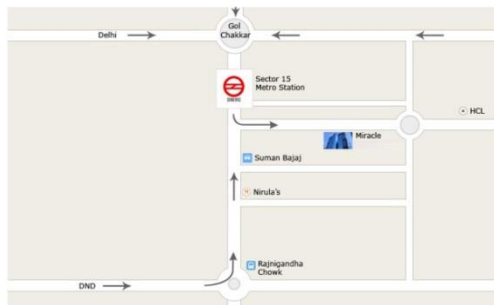
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Features:-

✅ 1. Task-Oriented, Competency-Based Course Design

✅ 2. A Truly Hands On Learning Experience – At Least 50% Lab Time

✅ 3. Courseware Ownership & Control

✅ 4. Instructors With Extensive Experience of the corporate , having the Certifications.

✅ 5. On line Training /On site training is available

✅ 6. Small Class Size ,proper doubt classes by the assistance

✅ 7. A Cost-Effective, Total Solution

✅ 8. Training will get the confirmation letter and Industrial Live Project (For pursuing students to submit the letter in college.)

✅ 9. FREE Assessment test for job eligibility.

✅ 10.Placement tie with the companies.

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