

ORACLE DBA 11G TRAINING

Exploring the Oracle Database Architecture

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

Installing your Oracle Software

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

Creating an Oracle Database

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

Managing the Oracle Database Instance

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

Manage the ASM Instance

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

Configuring the Oracle Network Environment

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

Managing Database Storage Structures

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

Administering User Security

- Database User Accounts
- Predefined Administrative Accounts Benefits of Roles
- Predefined Roles
- Implementing Profiles

Managing Data Concurrency

- Data Concurrency Enqueue Mechanism
- Resolving Lock Conflicts Deadlocks

Managing Undo Data

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

Implementing Oracle Database Auditing

- Describe DBA responsibilities for security
- Enable standard database auditing
- Specify audit options
- Review audit information Maintain the audit trail

Database Maintenance

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

Performance Management

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

Backup and Recovery Concepts

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

Performing Database Backups using RMAN

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

Performing Database Recovery

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

Data Replication

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

The course DOES NOT cover the following key Grid technologies:

- (1) Enterprise Manager Grid Control
- (2) Real Application Clusters
- (3) Streams
- (4) Data Guard.

Who can take this course

Suggested attendees for Oracle DBA Course may be: Fresh Graduates, Software Developers, Professionals for any other domain willing to shift to Administration, Mainframe developers and Architects who are looking to upgrade their resume and career.

Prerequisite

Basic knowledge of databases
Knowledge of SQL or Oracle

Key-Takeaways

30 Hours of training with Lab Exercises with proprietary VM
Lab exercises for each module.

Well-Experienced and Real Time Trainers
Best in Class Infrastructure

Real time case studies and project integrated into the Curriculum
24*7 Support from our team of administrators

Course Material and Lab guides for student's reference

Placement assistance for those who are looking out for a career in Oracle DBA

Trainer Profile

10+ Years odd experience in IT Industry

8+ Years of experience in Oracle Administration
Oracle Certified Trainer

5+ Years of experience in On-line and Class Room Training
Trained more than 400+ students

A cogent speaker and a lucid communicator

Good at providing real time examples and practical scenarios while explaining concepts.
Possess positive attitude and ability to meet customer requirements