TIB ACADEMY

TRAINING IN BANGALORE

DELIVERING THE BETTER TRAINING

"

Flexible, Affordable, Accessible service.

CALL US
+91 9513332301

TIB ACADEMY'S SERVICE FEATURE

Affordable Fees

We provide quality training with lowest price. This opportunity is available only at TIB Academy.

Experienced Trainers

Learn technology with a experienced professional who have expertise in their particular technology.

Flexible Timings

We believe that everyone should get the opportunity to learn their desired course. So we provide flexibility timings.

Advance

ORACLE

DBA

Quick Contact

Second Floor and Third Floor, 5/3 BEML Layout, Varathur Main Road, Kundalahalli Gate, Bengaluru, Karnataka 560066

www.traininginbangalore.com

info@tibacademy.com

+91 9513332306

Advanced Oracle DBA Syllabus

Oracle 11g R2 Grid Infrastructure Concepts

- What is a Cluster
- Grid Foundation Components
- Oracle Clusterware Architecture
- Oracle Clusterware Software and Storage
- Describe ASM Architecture
- Creating and Managing ASM Disk Groups
- Creating and Managing ASM Cluster File systems
- Administering Oracle Clusterware
- Troubleshooting Oracle Clusterware

Grid Infrastructure Installation and Configuration

- Hardware Requirements
- Network Requirements
- Software Requirements
- DNS and DHCP Configuration
- Grid Plug and Play Considerations
- Single Client Access Names
- Post installation tasks

Oracle Automatic Storage Management concepts

- ASM Instance
- ASM Disks
- ASM Disk Groups
- ASM Redundancy

Cluster installation Prerequisite for Oracle 11g R2 RAC

- Linux OS Software Installation
- Create OS Group and User Accounts

- Networking
- Synchronizing the Time on ALL Nodes
- Configuring Kernel Parameters
- Set shell limits for the oracle & grid user
- Create the Oracle Inventory Directory
- Creating the Oracle Grid Infrastructure Home Directory
- Creating the Oracle Base Directory
- Creating the Oracle RDBMS Home Directory
- Stage the Oracle Software
- Check OS Software Requirements
- Cluster Verification Utility

Shared Storage Configuration

- Types of Shared Storage
- Partition the Shared Disks
- Installing and Configuring ASMLib
- Using ASMLib to Mark the Shared Disks as Candidate Disks

Oracle 11g Grid Infrastructure Installation

- Basic/Advanced Grid Infrastructure Install (without GNS and IPMI)…
- Grid Infrastructure Home Patching
- RDBMS Software Install
- Run ASMCA to create diskgroups

Oracle 11g R2 RAC Database Software Installation

- Installing The Oracle Database Software
- Creating A Cluster Database
- Post database Creation Tasks

Administering Oracle Clusterware

- Managing Clusterware with Enterprise Manager
- Determining the Location of the Oracle Clusterware Configuration Files
- Backing Up and Recovering the Voting Disk
- Adding, Deleting, or Migrating Voting Disks
- Locating the OCR Automatic Backups
- Oracle Local Registry
- Migrating OCR Locations to ASM
- Managing Network Settings
- Managing Oracle Clusterware

Administering ASM Instances

- ASM Initialization Parameters
- Adjusting ASM Instance Parameters in SPFILEs
- Starting and Stopping ASM Instances Using srvctl
- Starting and Stopping ASM Instances Using ASMCA and ASMCMD
- Starting and Stopping ASM Instances Containing Cluster Files
- Starting and Stopping the ASM Listener
- Administering ASM Disk Groups
- Creating and Deleting ASM Disk Groups
- ASM Disk Group Attributes
- ASM Disk Group Maintenance Tasks
- Viewing ASM Disk Statistics

Prerequisite Steps for Extending a Cluster

- Using addNode.sh to add a Node to a Cluster
- Rolling Patches and Rolling Upgrades
- Installing a Patchset with the OUI Utility

- Installing a Patch With The opatch Utility

Cluster Node Management

- Add/Deleting the instance
- Add the Node
- Remove the Node
- Single-Instance Conversion Using rconfig
- Single-Instance Conversion Using DBCA

Troubleshooting Oracle Clusterware

- Oracle Clusterware Log Files
- Gathering Log Files Using diagcollection.pl
- Component-level Debugging
- RAC-Specific Wait Events, Global Enqueues, and System Statistic
- Implementing the Most Common RAC Tuning Tips
- Using the Cluster Database Performance Pages
- Using the Automatic Workload Repository in RAC
- Using Automatic Database Diagnostic Monitor in RAC

Oracle Data Guard Training Syllabus

Overview

- What Is Oracle Data Guard?
- Oracle Data Guard Architecture
- Types of Standby Databases
- Types of Services
- Benefits of Implementing Oracle Data Guard

Understanding the Oracle Data Guard Architecture

- Data Guard Redo Apply Architecture
- Data Guard SQL Apply Architecture
- Standby Database Modes

Configuring Data Protection Modes

- Maximum Protection
- Maximum Availability
- Maximum Performance
- Comparisons
- How to Set the Mode

Creating a Physical Standby Database by Using SQL

- Preparing the Primary Database
- Setting Initialization Parameters on the Primary Database
- Backing Up the Primary Database
- Creating a Control File for the Standby Database
- Setting Initialization Parameters on the Standby Database

- Setting Up the Environment to Support the Standby Database
- Starting the Physical Standby Database
- Performing Additional Configuration Tasks

Creating a Logical Standby Database by Using SQL

- Preparing to Create a Logical Standby Database
- Creating a Physical Standby Database
- Preparing the Primary Database
- Transitioning to a Logical Standby Database
- Opening the Logical Standby Database
- Verifying the Logical Standby Database

Performing Switchover and Failover

- Choosing the Best Role Transition Operation
- Performing a Switchover by Using SQL
- Performing a Failover by Using SQL

Assessments

•Objective Assessments

-- Syntactical based

-- Scenario based

Note: At least 2 objective based assessments in each module

•Hands On – Practical Assessments

-- Scenario based

Note: At least 2 Hands on assessments in each module

Assignments

•Hands On – Practical Assignments

Note: At least 4 Hands on assignments in each module

Tasks – Home Work

•Regular tasks on each module

Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

•Work on one or two mini projects

•Discuss and convert the current working project into DB project to add in resume & to explain Oracle DB experience in interviews