



Oracle Real Application Cluster

Course Description

In this Oracle RAC training course from Infinite Skills explains Oracle Real Application Clusters (RAC) and provides a detailed look at installing and configuring Oracle RAC environment. This course is designed for an aspiring Oracle database administrator (DBA) or a currently practicing DBA.

Oracle Real Application Cluster online training curriculum

Introduction to RAC

- High Availability
- SMP and Cluster
- Types of Cluster
- Shared Storage in Cluster
- Clusters in Market
- Stand Alone vs RAC
- RAC Version History

Storage Basics and ASM

- Direct attached Storage (DAS)
- Network Attached Storage (NAS)
- Storage Area Network (SAN)
- RAC Storage Options and File System
- ASM

Oracle RAC Basics

- Components of Oracle RAC (Physical and Software layout)
- Cache Fusion
- Background Processes of Oracle 12c RAC
- Oracle Clusterware (10gR2)
- Oracle Grid Infrastructure (11gR2) 12c
- Oracle Real Application Clusters

Installing Oracle 12c RAC on OEL6

- Installing DNS server using Bind
- Installing Oracle 12CR1 RAC on OEL 6.4 Using Virtual Box

Upgrading Database and Oracle RAC

- Necessity of Applying Patches
- How to Upgrade a Database
- Applying latest PSU to 12.1.0.2
- Applying Patches on RAC and Up gradations

- Applying 12.1.0.2 Patch set on 12.1.0.1

➤ **Clusterware Administration**

Workload Management

- Fast Connection Failover
- Services

Administering OCR & Voting Disk

- Administering Voting Disks
- Recovering Voting Disks
- Adding, Moving, or Deleting Voting Disks
- Administering the Oracle Cluster Registry
- Adding an Oracle Cluster Registry
- OCR Import/Export
- Configuring Initialization Parameters for an Oracle RAC Database

Troubleshooting Oracle RAC

Debugging Resources

Debugging Components

Diagnostics Collection Script

Oracle Clusterware Alerts

Troubleshooting OCR & VOTING DISK

Handling Node Eviction Issues

OS Watcher

- **12c RAC New Features**
- **11gR2 vs 12c Database differences**
- **11gR2 vs 12c RAC differences**
- **Flex Cluster & Flex ASM in 12c Oracle 12c**
- **RAC Commands Changes**

Class Delivery

- Live Interactive classes with expert

Delivery Methodology

- We are using an experiential delivering methodology that blends theoretical concepts with hands-on practical learning to ensure a holistic understanding of the subject or course