



## Oracle 11g Real Application Clusters

### Course Objectives

This course introduces students to the advanced database configuration and network controls needed to manage and configure Oracle 11g Real Application Clusters.

Clustered databases provide high-powered enterprise ready network database configurations designed to facilitate the management of complex network systems. This course introduces the concepts behind these configuration options and demonstrates the practical hands-on techniques needed to manage and control these complex implementations.

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### Who Should Attend

Oracle Database Administrators  
Oracle Systems Administrators  
Oracle Support Engineers

### Prerequisites

Oracle DBA Fundamentals Part 1  
Oracle DBA Fundamentals Part 2  
Oracle SQL  
Oracle PL/SQL (recommended)

### Duration

2 Days

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### Course Contents

#### Overview

11g RAC Features  
11g RAC Capabilities  
11g RAC Application within the enterprise environment.

#### Configuration

Configuration Options  
Design Considerations  
Design Limitations  
Optimal RAC Design  
Configurations  
Configuring the Network

#### Installation

Oracle Clusterware Installation  
ASM Installation and configuration  
Database installation and creation

#### Management

Monitoring real application clusters  
Monitoring Nodes  
Managing Nodes  
Managing the Cluster  
Management Tools  
Management Overheads  
RAC Performance Management  
RAC Tuning Considerations  
Deploying RAC Resources  
Optimal Resource Configuration

Transparent Application Failover

#### Diagnosing the Oracle

##### Clusterware components

Oracle Clusterware Main Log Files  
RAC Diagnostic Infrastructure

#### Addition and Removal of Nodes

Add/remove nodes and instances  
Clone Clusterware

#### Advanced RAC Controls

SRVCTL commands  
Cache fusion