



## Oracle 11g – Administration RCA

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<b>Objectif</b>	After completing this course, students will be able to : install Oracle 11gR2 software and create RAC database, manage RAC databases, manage backup and recovery for RAC, determine RAC-specific tuning components, configure and manage services in a RAC environment, describe high availability architectures.
<b>Pré requis</b>	Pour suivre ce stage il est nécessaire d'avoir suivi : Oracle Administration niveau II
<b>Durée</b>	3 jours

## Contenu

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### **Module 1 : Real Application Clusters Database Installation**

- Installing The Oracle Database Software
- Creating A Cluster Database
- Post-database Creation Tasks
- Single-Instance Conversion Using the DBCA
- Single-Instance Conversion Using rconfig
- Background Processes Specific to Oracle RAC

### **Module 2 : Oracle RAC Administration**

- Enterprise Manager Cluster Database Pages
- Redo Log Files In A RAC Environment
- Undo Tablespace In A RAC Environment
- Starting And Stopping RAC Databases And Instances
- Initialization Parameters In A RAC Environment
- Transparent Data Encryption and Wallets in RAC
- Quiescing RAC Databases

### **Module 3 : Managing Backup and Recovery for RAC**

- Protecting Against Media Failure
- Parallel Recovery in RAC
- Archived Log File Configurations
- RAC Backup and Recovery Using EM
- Archived Redo File Conventions in RAC
- Channel Connections to Cluster Instances
- Distribution of Backups

### **Module 4 : Monitoring and Tuning the RAC Database**

- Determining RAC-Specific Tuning Components
- Tuning Instance Recovery in RAC
- RAC-Specific Wait Events, Global Enqueues, and System Statistics
- 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

### **Module 5 : Services**

- Configure and Manage Services in a RAC environment
- Using Services with Client Applications
- Using Services with the Database Resource Manager
- Use Services with the Scheduler
- Configuring Services Aggregation and Tracing
- Managing Services From the Command Line
- Managing Services With Enterprise Manager

### **Module 6 : Design for High Availability**

- Designing a Maximum Availability Architecture
- Determine the Best RAC and Data Guard Topologies
- Data Guard Broker Configuration files in a RAC Environment
- Identifying Successful Disk I/O strategies