

DENOMINACIÓN: Real Application Cluster (R.A.C) Oracle 10g

OBJETIVOS: Identificar componentes RAC instalar, crear, administrar y monitorizar la base de datos RAC Usar las herramientas de configuración y manejo para la base de datos Sobre los servicios para tareas de cargas y alta disponibilidad. BackUps y recuperaciones Configurar y monitorizar recursos de cluster Buenas prácticas en la alta disponibilidad.

DIRIGIDO A Personas con experiencia como DBA.

REQUISITOS: sólidos conocimientos o experiencia como DBA; haber realizado los cursos de DBA I, II y tuning para DBAs

HORAS: 30 Horas

METODOLOGÍA: Presencial

COSTE: 4050€

CONTENIDOS

Modulo 1. Identify Real Application Clusters components

Understand Real Application Clusters
Clusters Scalability and High Availability
The Necessity of Global Resources
Parallel Execution with RAC
RAC Software and Database Principles
RAC and Shared Storage Technologies
Understand VIPs
Describe the benefits of Fast Application Notification

Modulo 2. Install, create, administer, and monitor a Real Application Clusters database

Describe the installation of Oracle RAC 10g
Perform RAC pre-installation tasks
Perform cluster setup tasks
Install Oracle Clusterware
Install and configure Automatic Storage Management (ASM)
Install the Oracle database software
Create a cluster database
Install the Enterprise Manager agent on each cluster node

Modulo 3. Use configuration and management tools for Real Application Clusters databases

Use Enterprise Manager cluster database pages
Define redo log files in a RAC environment
Define undo tablespaces in a RAC environment
Start and stop RAC databases and instances
Modify initialization parameters in a RAC environment
Manage ASM instances in a RAC environment
Determine RAC-specific wait events, global enqueues, and system statistics
Implement the most common RAC tuning tips

Modulo 4. Setup services for workloads management, and applications high availability

Configure and manage services in a RAC environment
Set performance-metric thresholds on services
Configure services aggregation and tracing
Configure server-side connect-time load balancing
Use the Load Balancing Advisory
Configure server-side callouts
Configure the server- and client-side ONS
Configure Transparent Application Failover (TAF)

Modulo 5. Develop a backup and recovery strategy for Real Application Clusters databases

Configure the RAC database to use ARCHIVELOG mode and the flash recovery area
Configure RMAN for the RAC environment

Modulo 6. Configure and monitor Oracle Clusterware resources

Manually control the Oracle Clusterware stack
Change voting disk and OCR configuration
Back up or recover your voting disks and OCR files
Change VIP addresses
Use the CRS framework
Collect Oracle Clusterware diagnostic files
Enable Oracle Clusterware debugging

Modulo 7. Review high availability best practices

Add a new node to your cluster database
Remove a node from your cluster database
Design a Maximum Availability Architecture in your environment
Decide on the best ASM configuration to use
Patch your RAC system in a rolling fashion

DATOS DEL PROVEEDOR

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