ODAT-18 - ORACLE DATABASE 19C: RAC ADMINISTRATION WORKSHOP

Categoria: **Database**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	Database	Oracle Certified Professional	Professionista IT	Oracle

OBIETTIVI

-Descrivere l'architettura Oracle Clusterware
-Descrivere la funzionalità Plug and Play Clusterware
-Descrivere i vantaggi di Oracle RAC
-Spiegare la necessità di risorse globali
-Descrivere coordinamento cache globale
-Installare Oracle Database
-Creare un database di cluster
-Eseguire le attività post-Database-creazione
-Convertire un database Oracle a singola istanza ai CCR
-Spiegare i principi e le finalità dei cluster
-Definire redo log file in un ambiente RAC
-Definire tabelle di annullamento in un ambiente RAC
-Avviare e arrestare i database RAC e istanze
-Modificare i parametri di inizializzazione in un ambiente RAC
-Configurare il database RAC per utilizzare la modalità ARCHIVELOG e la zona di recupero veloce
-Configurare RMAN per l'ambiente RAC

PREREQUISITI

Prerequisiti richiesti:

-Oracle Database Administration

Correlati Corsi di formazione consigliati:

- Oracle Database: Backup e Recovery
-Oracle Database: Data Guard Administration
-Oracle Database: Performance Management and Tuning

CONTENUTI

1: Grid Infrastructure:Overview

-Grid Infrastructure:Overview

-Clusterware Architecture and Cluster Services
-Oracle Clusterware Initialization
-Grid Naming Service (GNS)
-Course Practice Environment:Security Credentials
-Practice 1-1:Configuring a Standalone Flex Cluster (Part 01)
-Practice 1-1:Configuring a Standalone Flex Cluster (Part 02)
-Practice 1-1:Configuring a Standalone Flex Cluster (Part 03)
-Practice 1-1:Configuring a Standalone Flex Cluster (Part 04)

2: RAC Databases Overview and Architecture

-RAC Databases Overview and Architecture
-Cluster-Aware Storage Solutions
-Levels of Scalability
-Parallel Execution with RAC

3: Installing with Configuring Oracle RAC

-Installing with Configuring Oracle RAC
-Installing the Oracle Database Software
-Database Content
-Background Processes Specific to Oracle RAC
-Example: Result of Step 3
-Practice 3-1:Installing RAC Database Software (Part 01)
-Practice 3-1:Installing RAC Database Software (Part 02)
-Practice 3-2:Creating a RAC Database (Part 01)
-Practice 3-2:Creating a RAC Database (Part 02)
-Practice 3-2:Creating a RAC Database (Part 03)

4: Oracle RAC Administration

-Oracle RAC Administration
-Redo Log Files and RAC
-Local Temporary Tablespaces
-Switch between Automatic and Manual Policies
-Parameters That Require Unique Settings
-Practice 4-1:Operating System and Password File Authenticated Connections
-Practice 4-2:Oracle Database Authenticated Connections
-Practice 4-3:Stopping a Complete ORACLE_HOME Component Stack

5: Upgrading and Patching Oracle RAC

-Upgrading and Patching Oracle RAC
-OPatch:Overview

6: Managing Backup and Recovery for RAC

-Managing Backup and Recovery for RAC
-Media Recovery in Oracle RAC
-Oracle Recovery Manager
-Distribution of Backups
-Overview of Practice
-Practice 6-1:Configuring Archive Log Mode
-Practice 6-2:Configuring RMAN and Performing Parallel Backups

7: Global Resource Management Concepts

- -Global Resource Management Concepts
- -Global Resource Access Coordination
- -Scenario 2:Read-Write Cache Fusion

8: RAC Database Monitoring and Tuning

- -RAC Database Monitoring and Tuning
- -Global Enqueue Waits
- -High-Water Mark Considerations
- -AWR Snapshots in RAC
- -Practice 8-1:ADDM and RAC PartI (Part 01)
- -Practice 8-1:ADDM and RAC PartI (Part 02)
- -Practice 8-1:ADDM and RAC PartI (Part 03)
- -Practice 8-2:ADDM and RAC PartII
- -Practice 8-3:ADDM and RAC PartIII

9: Managing High Availability of Services

- -Managing High Availability of Services
- -Default Service Connections
- -Using Service with Client Applications
- -Using Service with the Resource Manager
- -Service Aggregation and Tracing
- -Practice 9-1:Working with Service
- -Practice 9-2:Monitoring Services

10: High Availability for Connections and Applications

- -High Availability for Connections and Applications
- -Implementing FAN Events
- -Server-Side Callout Filter:Example
- -TAF Basic Configuration on Server-Slide:Example
- -What Is Application Continuity ?
- -Practice 10-1:Using Application Continuity (Part 01)
- -Practice 10-1:Using Application Continuity (Part 02)

11: Oracle RAC One Node

- -Oracle RAC One Node
- -Online Relocation Illustration
- -Practice 11-1:RAC One Node

12: Oracle Database In-Memory in RAC

- -Oracle Database In-Memory in RAC
- -In-Memory Column Store and Oracle RAC
- -How the Database Reads from the FastStart Area
- -Practice 12-1 Reconfiguring the Environment (Part 01)
- -Practice 12-1 Reconfiguring the Environment (Part 02)

13: Multitenant Architecture and RAC

- -Multitenant Architecture and RAC

-Containers
-Connection to a Non-RAC CDB
-Creating a RAC CDB
-Adding a PDB to a RAC CDB
-Practice 13-1: Exploring CDB Architecture and Structures in RAC (Part 01)
-Practice 13-1: Exploring CDB Architecture and Structures in RAC (Part 02)
-Practice 13-2: Cloning a PDB in a RAC CDB
-Practice 13-3: Affinitizing PDB Services to CDB Instances (Part 01)
-Practice 13-3: Affinitizing PDB Services to CDB Instances (Part 02)
-Practice 13-4: Dropping a PDB

14: Quality of Service Management

-Quality of Service Management
-Qos Management Policy Sets
-Performance Objectives

INFO

Materiale didattico: Materiale didattico ufficiale Oracle in formato digitale
Costo materiale didattico: incluso nel prezzo del corso a Calendario
Natura del corso: Operativo (previsti lab su PC)