ODBC-4 - MIGRATING YOUR ORACLE DATABASE TO ORACLE CLOUD INFRASTRUCTURE

Categoria: **Database Cloud**

INFORMAZIONI SUL CORSO

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

OBIETTIVI

- Migrating to Oracle Database 18c on Oracle Cloud Infrastructure
- Create a Virtual Machine DB System on Oracle Cloud Infrastructure for migration
- Explore the RMAN backup and restore mechanism
- Review migration use cases
- Understand what changes after migration and the post migration tasks
- Identify the building blocks of Oracle Cloud Infrastructure (OCI)
- Get familiar with OCI terminology such as tenant, region, availability domain, shapes
- Analyze and compare your source and target environments
- Learn to prepare source and target systems for migration

PREREQUISITI

- Oracle Cloud Infrastructure Fundamentals
- Oracle Database Cloud for DBAs on Oracle Cloud Infrastructure
- General understanding of Oracle Cloud technology
- Experience in Oracle Database 11g and/or 12c Administration

CONTENUTI

Migrating Oracle Database to Oracle Cloud Infrastructure: Why, What, and How
- OCI: Specifically Architected for Oracle Databases
- Managing Oracle Database: On-Premises Versus Oracle Cloud Infrastructure
- Considerations for Choosing a Migration Method
- Subscribing to an Oracle Cloud Service
- Universal Credits & Bring Your Own License

Getting Started with Oracle Cloud Infrastructure
- Regions, Availability Domains, and Backbone Network
- Comprehensive Virtual Network with Off-box Virtualization

Analyzing and Choosing Your Migration Strategy
- Migration Life Cycle of a Target Cloud Database
- Migration Methods & Prerequisites
- Migration Strategy: Selection Criteria
- Choosing a Method
- Choosing a Hardware Configuration: Compute Shapes
- Moving Large Data Sets to Oracle Cloud

Preparing Source and Target Systems for Migration
- Preparing Source On-Premises Oracle Database for Migration
- Preparing Source DBCS Service Instance for Migration
- Creating the Target System: OCI Virtual Machine DB System

Migrating Using SQL Developer
- Migrating Tables by Using SQL Developer
- Migrating Selected Tables by Using SQL Developer INSERT Statements
- Migrating Selected Tables by Using SQL Developer and SQL*Loader

Migrating an Oracle Database to OCI by Using Data Pump
- Migrating an On-Premises 12c CDB Schema to OCI 18c CDB: Conventional Mode
- Migrating an On-Premises 12c PDB to 18c PDB on OCI: Conventional Mode
- Migrating an On-Premises 12c Database Tablespace to OCI 18c CDB: Transportable Tablespace
- Data Pump Full Transportable Mode

Migrating Oracle Database to OCI Using Unplug/Plug and Remote Cloning Method
- Unplugging & Plugging In an On-Premises Non-CDB
- Unplugging/Plugging a PDB: High-Level Overview
- Unplugging & Plugging In an On-Premises PDB
- Migrating a 12.1 PDB to a 12.2 CDB in Database Cloud Service
- Remote Cloning Method: Migration Compatibility
- Remote Cloning an On-Premises Non-CDB & PDB

Migrating an Oracle Database to OCI by Using Recovery Manager (RMAN)
- RMAN Cross-Platform Transportable Tablespace Backup Sets
- RMAN Migration Methods to Oracle Cloud and Version Compatibility
- Tablespace Transport by Using RMAN CONVERT
- Cross-Platform PDB Transport
- Use-Case: Migrating a 12c On-Premises Database to Oracle Cloud by Using RMAN Cross-Platform Transportable Tablespace
- Cross-Platform Transportable Tablespace to a Different Endian Platform with RMAN Backup Sets
- Migrating by Using RMAN Cross-Platform Transportable Tablespace

Migrating Oracle Database to OCI by Using Oracle Database Cloud Backup Module
- Oracle Backup Module Installation Prerequisites
- Installing the Oracle Database Cloud Backup Module
- Creating a Tiering Container When Installing the Oracle Database Cloud Backup Module
- Restoring Oracle Database from Object Storage Classic in OCI

Use Case: Migrating Oracle Database from OCI-C to OCI Bare Metal Using Data Guard

Use Case: Migrating DBCS Single-Instance Database from OCI-C to OCI VM Using the IBKUP Utility
Use Case: Near Zero Downtime Migration by Using Oracle GoldenGate

What Changes After Migration?
- Network Access to the Compute Node and Database
- Creating Security Lists & Configuring Connections to the Compute Node
- Security Lists & Security Rule
- Tablespace Encryption in Database Cloud Service
- Backup and Recovery Strategy
- Patching Database Cloud Service
- Post-Migration Best Practices

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)