

OCIN-2 - ARCHITECTING ORACLE CLOUD INFRASTRUCTURE SOLUTIONS

Categoria: **Cloud Infrastructure**

INFORMAZIONI SUL CORSO



Durata:
4 Giorni



Categoria:
Cloud Infrastructure



Qualifica Istruttore:
Oracle Certified
Professional



Dedicato a:
Professionista IT



Produttore:
Oracle

OBIETTIVI

- Make architectural decisions based on OCI best practices and principles
- Design highly available, secure networks with disaster recovery options using advanced features of OCI services
- Explore and leverage multiple ways of connecting to cloud networks based on security and performance requirements
- Database Sizing/Capacity Planning for Performance
- Oracle Database Cloud Migration Solutions
- Understand Metrics, Alarms, monitoring query language
- Creating a K8s cluster in OCI using 'quickstart'

PREREQUISITI

- Oracle Cloud Infrastructure Administration Essentials
- Fundamental knowledge of IP Networking
- Basic familiarity with the Linux command line
- Existing experience managing Linux or Windows Servers
- Experience working with n-tier or distributed application

CONTENUTI

Identity and Access Management

- IAM Basics
- Instance Principals
- Advanced Policies
- Scoping Access with Permissions or API Operations
- Federation
- Reference IAM Model: Compartments

Virtual Cloud Network

- Service Gateway
- Private IP as Route Target

- VCN Peering
- Edge Security
- Securing Your VCN
- Virtual Firewall Instances
- Virtual Cloud Network Best Practices

Connectivity - IPsec VPN

- Connectivity Options
- Connectivity to On-Premises Network Planning
- VPN Basics
- IPsec VPN
- OCI VPN
- OCI VPN Redundancy Models
- Typical Networking Scenarios
- Public and Private Subnets with VPN
- VPN IPsec Connectivity

Connectivity - FastConnect

- Why Do You Need Dedicated Connectivity to Cloud?
- FastConnect Connectivity Options
- FastConnect Use Case Scenarios
- Private & Public Peering Network Design
- BGP Advertisement and Traffic-flow
- FastConnect Redundancy
- IPsec VPN and FastConnect
- Hybrid Architectures Using FastConnect
- Intercloud Connectivity
- Multi-Cloud Connectivity Using FastConnect

Compute

- Compute: Bare Metal and Virtual Machines
- High Availability and Disaster Recovery
- Instance Configurations and Pools
- Instance Console Connections
- Custom Images
- Bring Your Own Image (BYOI)
- NVIDIA GPU Images
- Cloud-Init and Metadata
- Instance Metadata

Storage

- OCI Storage Services
- Local NVMe SSD Devices
- Block Volume
- File Storage Service
- Object Storage Service
- Partner Backup Options
- Data Backup and Migration Options

- OCI Storage Gateway
- Data Transfer Service

Load Balancer

- Session Persistence
- Request Routing (Virtual Hostnames and Path Routing)
- SSL Handling

Database

- dbcli on OCI Database Systems
- Database Sizing Templates
- Using Oracle Cloud Infrastructure Object Storage with Database
- Troubleshooting Database Backup Failures
- Collecting Database and Diagnostic Information to Resolve Errors
- Migrating Databases to Oracle Cloud Infrastructure
- Maximum Availability Architecture (MAA) for Oracle Databases on OCI

INFO

Materiale didattico: Materiale didattico ufficiale Oracle in formato digitale. Il materiale didattico è compreso nel prezzo sia per i corsi a Calendario sia per quelli Dedicati.

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)