

OC-IAE: Oracle Cloud Infrastructure Administration Essentials Ed 2

Course Code: OC-IAE

Duration: 3 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

Develop key insights into key concepts and features of Oracle Cloud Infrastructure (OCI). Identify how the OCI's global distribution of infrastructure components can assist your enterprise, learn to extend your IT infrastructure with highly customizable Virtual Cloud Networks (VCN) and connectivity services.

With network in place, launch your first compute instance, and define storage volumes. Also learn to deploy a highly available web application utilizing services like load balancer and distributing infrastructure across multiple availability domains. Discover the various Oracle Database options available on OCI from VM DB to Autonomous Database to Bare Metal DB. With these OCI components in place, get insights to securing OCI, DNS, and understand OCI WAF capabilities and architecture.

SKILLS COVERED

- Understand compartments and policies
- Launch your first compute instance
- Configure Object and Block Storage
- Configure a public load balancer
- Configure File System Storage
- Describe Database options on OCI
- Explain OCI WAF capabilities and architecture

WHO SHOULD ATTEND?

- Cloud Administrator

- Cloud Architect
- Implementer

PREREQUISITES

Before attending this course, students must have:

- Basic concepts of Cloud computing
- Understanding of Networks

MODULES

Module 1: Getting Started with Oracle Cloud Infrastructure

- Oracle Cloud Infrastructure Global Footprint
- OCI Region – HA Building Blocks

Module 2: Identity and Access Management

- Principals, Authentication, Authorization
- Policy Syntax
- Reference Model: OCI Compartments

Module 3: Virtual Cloud Network

- CIDR Basics
- Virtual Cloud Network (VCN) Components

Module 4: Connectivity to On-Premises Networks

- Dynamic Routing Gateway
- VPN Connect
- FastConnect

Module 5: Connectivity - FastConnect

- Public Peering Connection
- Private and Public Peering
- Connectivity Models & Options

Module 6: Load Balancer

- OCI Load Balancing Service
- Public & Private Load Balancer
- Working with Load Balancers

Module 7: Compute Service

Module 8: Oracle Container Engine for Kubernetes

Module 9: OCI Registry Service

Module 10: Object Storage

Module 11: Block Volume

Module 12: File Storage Service

Module 13: Database Service

- DB Systems – Virtual Machine (VM), Bare Metal & Exadata
- Storage Architecture
- Database Editions, Versions and Options
- Managing DB Systems
- High Availability and Scalability
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- Oracle Data Guard
- Security Features

Module 14: Autonomous Database

- Specialized by Workload
- Choice of Cloud Deployment
- Automated Tuning in Autonomous Database
- Architecture
- Working with Autonomous Database
- Autonomous Database – Dedicated

Module 15: DNS

- DNS Zone Management
- Supported Record Types
- Adding a Zone
- View/Add Records
- Use Cases Secondary DNS Architecture

Module 16: Traffic Management Policies

- DNS Traffic Management Overview
- Steering Policies & Concepts

Module 17: OCI Security

- Shared Security Model
- Security Services and Features

Module 18: Web Application Firewall

- Key Components
- OCI WAF Architecture

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