

Oracle Cloud Infrastructure Foundations (2023): Hands-on Workshop

Oracle Cloud Infrastructure

DURATION

1 Days

MODULES

8 Lectures

COURSE CODE

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Course Overview

This course will help you in developing a strong foundation in cloud computing, core concepts and features of Oracle Cloud Infrastructure (OCI).

What You Will Learn

Module 01: OCI Introduction

- Overview
- Introduction to Oracle Cloud Infrastructure (OCI)
- OCI Architecture
- Distributed Cloud Concepts
- Hands-on
- Demo: OCI Console Walk-through

Module 02: Identity and Access Management (IAM)

- Overview
- Introduction to Identity and Access Management
- Core IAM Concepts
- Compartments
- Authentication (AuthN)
- Authorization (AuthZ)
- Hands-on
- Demo: Compartments and Identity Domains
- Demo: Authentication (AuthN)
- Demo: Authorization (AuthZ)
- Administration
- Tenancy Setup

Module 03: Compute

- Overview
- Compute Services Introduction
- Compute Services
- Compute Instance Basics
- Scaling Compute Resources
- Hands-on
- Demo: Getting Started with Cloud Shell
- Demo: Creating a Compute Instance
- Cloud-Native Compute Options
- Oracle Container Engine for Kubernetes (OKE)
- Container Instances
- Oracle Functions

Module 04: Networking

- Overview
- Networking Concepts in OCI
- Networking Components
- Virtual Cloud Networks (VCN)
- Routing
- Network Security
- Hands-on
- Demo: VCN Creation Using Wizard
- Demo: VCN Basics
- Traffic Management
- Load Balancer
- Hands-on
- Demo: Load Balancing

Module 05: Storage

- Overview
- Storage Services Introduction
- Storage Services
- Object Storage
- Hands-on
- Demo: Object Storage
- Block and File Storage
- Block Volume
- Hands-on
- Demo: Block Volume
- File Storage

Module 06: Database Services

- Overview
- Database Services Introduction
- Database Options
- Autonomous Database
- Hands-on
- Demo: Autonomous Database
- MySQL Database Service
- Oracle NoSQL Database

Module 07: Security

- Overview
- Security Services Introduction
- Security Services
- Cloud Guard
- Security Zones and Security Advisor
- Hands-on
- Demo: Security Zones and Security Advisor
- Data Protection
- Encryption Basics
- Vault
- Hands-on
- Demo: Vault

Module 08: Governance and Administration

- Overview
- Governance and Administration in OCI
- Cost and Resource Management
- Pricing
- Cost Management
- Hands-on
- Demo: Cost Management
- Demo: Cloud Advisor
- Resource Organization
- Tagging
- Support
- Oracle Support Rewards