

## Oracle Coherence Cloud Fundamentals Ed 1

**Course Duration: 8 Hours**

**Course code: OCCF-Ed1**

### 1. Course Overview

This course introduces learners to Oracle Coherence Cloud, a fully managed in-memory data grid solution on Oracle Cloud Infrastructure (OCI). Participants will explore the fundamentals of distributed caching, cluster deployment, configuration, and management in a cloud-native environment. The training also covers Coherence integration with cloud applications, monitoring, troubleshooting, and security best practices. By the end of the course, participants will be able to deploy and operate scalable, resilient, and high-performance Coherence clusters in the Oracle Cloud.

### 2. What you'll learn?

**By the end of this course, you should be able to:**

- Describe Oracle Coherence Cloud architecture and key components
- Deploy and configure Coherence clusters in OCI
- Work with caching models: distributed, replicated, and near caches
- Understand elastic scaling, high availability, and failover in the cloud
- Monitor, log, and diagnose Coherence Cloud clusters
- Integrate Coherence Cloud with Oracle WebLogic, OCI services, and applications
- Apply security, identity, and access management best practices
- Troubleshoot common operational issues in cloud deployments

### 3. Target Audience

- Cloud administrators and architects
- Middleware and application administrators
- Developers building cloud-native, scalable applications
- IT professionals adopting in-memory data grids on Oracle Cloud

## 4. Pre-Requisites

### Familiarity with:

- Oracle Cloud Infrastructure (OCI) fundamentals
- Distributed computing and caching concepts
- Basic Java/REST API knowledge
- System administration (Linux/Unix preferred)

## 5. Course content

### Get Started with Oracle Coherence Cloud

- About Oracle Cloud Infrastructure Networking Concepts
- Understanding the Capabilities of Oracle Coherence Cloud
- Describing Architecture of Oracle Coherence Cloud

### Creating a Cluster with Oracle Coherence Cloud

- Provisioning a Coherence Cluster in a Public Subnet
- Instantiating a Coherence Cluster in a Private Subnet
- Accessing the Cloud Resources for a Cluster

### Managing a Cluster in Oracle Coherence Cloud

- Using the Resource Manager to Destroy a Cluster
- Deleting a Cluster

### Scaling out a Coherence Cluster

- Understanding the Concept of Scaling
- Modifying an Operational Override File
- Scaling Out the Cluster