

# Oracle Cloud Infrastructure Architect Associate Workshop

**Prix** : 3 650 €HT

**Durée** : 5 jours

**Code de Référence** : D1104310GC10

Catalogue Cloud Infrastructure

Develop key insights into key concepts and features of Oracle Cloud Infrastructure (OCI). Identify how OCI's global distribution of infrastructure components can assist your enterprise.

Cette formation permet de préparer la certification **1Z0-1072-22: Oracle Cloud Infrastructure 2022 Architect Associate**.

## Objectifs de la formation

A l'issue de cette formation Oracle Cloud Infrastructure, vous serez capable de :

- Kickstart your journey on Oracle Cloud by getting to know its Architecture and User Management
- Explore the basics of VCN and network security
- Learn about the concepts of Load Balancer and Traffic Management
- Know more about the OCI Compute and Storage options
- Learn the concepts of Autoscaling and OS Management
- Describe the Databases on Oracle Cloud and their applications.
- Secure the OCI infrastructure using WAF
- Monitor infrastructure and Applications using the Observability and Management platform on OCI

## Public

Cette formation Oracle Cloud Infrastructure s'adresse aux administrateurs cloud.

## Prérequis

Avoir suivi la [formation Oracle Cloud Infrastructure Foundations](#) ou disposer des connaissances et compétences équivalentes.

Compréhension de l'anglais et du vocabulaire anglais spécifique IT. Connaître les concepts de base du cloud computing. Avoir des connaissances réseau.

Vous souhaitez faire vérifier vos prérequis ? Contactez-nous pour l'organisation d'un entretien téléphonique avec un de nos consultants formateurs.

# Programme de la formation

## OCI Introduction

- Introduction
- OCI Architecture

## Identity and Access Management

- Introduction
- Identity Domains
- AuthN
- AuthZ
- Common Policies
- Compartments
- Policy Inheritance and Attachment
- Conditional Policies
- Network Sources
- Tag Based Access Control
- Dynamic Groups

## Networking – Virtual Cloud Network

- Introduction to Virtual Cloud Network
- Introduction to CIDR Notation
- Introduction to RFC 1918
- Introduction to Subnet
- Security List
- Network Security Group
- Bastion
- Internet Gateway
- NAT Gateway
- Service Gateway
- Local Peering Gateway
- Route Table

## Networking – Connectivity

- Connectivity Options
- Dynamic Routing Gateway – Part 1
- Dynamic Routing Gateway – Part 2
- DRG Route Tables
- Remote Peering Connection
- Site-to-Site VPN
- FastConnect

## Networking – Load Balancer

- Load Balancer
- Public and Private Load Balancers
- Load Balancer Policies and Health Checks
- Network Load Balancer

## **Networking – DNS Management**

- DNS Service
- OCI DNS Management
- Private DNS
- Traffic Management

## **Networking – Other Services**

- Inter-Region Latency Dashboard
- Network Visualizer
- Introduction to IPv6 with Oracle
- Bring Your Own IP Address

## **Compute**

- Overview of Compute Service
- Platform and Custom Images
- Import/Export and Bring Your Own Image
- Compute Shapes
- Bare Metal versus VM versus Dedicated Hosts
- Capacity Types: Preemptible Instances
- Capacity Types: Capacity Reservations
- Capacity Types: Dedicated VM Host
- Burstable Instances
- Compute: Vertical Scaling
- Compute Autoscaling
- Oracle Cloud Agent
- OS Management Service
- Run Command
- Instance Console Connection
- Infrastructure Maintenance
- Shielded Instances

## **Object Storage**

- Overview of Object Storage
- Object Storage Resources
- Object Storage Characteristics
- Multipart Uploads
- Managing Buckets and Objects
- Object Storage Tiers
- Auto-Tiering
- Object Lifecycle Management
- Object Storage Replication
- Object Versioning
- Retention Rules
- Object Copy
- Object Storage Logging
- Securing Object Storage
- Pre-Authenticated Requests

## **Block Storage**

- Overview of Block Volume
- Volume Attachment Types
- Volume Access Types
- Boot Volumes
- Block Volume Performance
- Auto-tune Volume Performance
- Resizing a Volume
- Block Volume Backups
- Block Volume Clones
- Block Volume Backup Versus Clone Operation
- Cross Region Replication
- Volume Groups

## **File Storage**

- Overview of File Storage
- File Storage Concepts
- NFS Export Options
- File Storage
- File System Snapshots
- File System Cloning
- In-Transit Encryption
- File Storage Security
- File System Usage and Metering

## **Database**

- OCI Database Services Introduction
- DB Systems Introduction
- DB Systems Operations
- DB Systems Maintenance
- Autonomous Databases Introduction
- Autonomous Database Operations
- Autonomous Database Maintenance
- Monitoring Database Services
- External Database Service
- Setting DB Time Zone
- Database Migration

## **OCI Security**

- Shared Security Model
- Security Services Introduction
- What is Cloud Security Posture Management?
- Cloud Guard Introduction
- Cloud Guard Concepts
- Cloud Guard Problems
- Cloud Guard – Manage Detector Recipes
- Cloud Guard Responder Recipes
- Cloud Guard Notifications

- Security Zones and Security Advisor
- Encryption Basics
- Vault Introduction
- Import and Export Keys
- OCI Services Integration with Vault
- Backup and Replicate Vaults and Keys
- Secrets

## **Observability and Management – Introduction**

- Introducing Observability and Management Services

## **Observability and Management – Monitoring**

- Monitoring Service ~ Getting Started
- Key Concepts
- Notifications Service
- Access and Limits
- Service Metrics
- Metric Queries
- Managing Alarms

## **Observability and Management – Logging**

- Logging Service: Overview
- Fundamental Concepts
- Enabling Service Logs
- Working with Custom Logs
- Access, Search, and Explore Logs
- Searching Logs with Queries
- Service Connectors

## **Méthodes pédagogiques**

Alternance d'apports théoriques et d'exercices avec un vaste choix d'exercices pratiques et de scénarios d'atelier permettent de mettre en œuvre les connaissances acquises.

La dernière version du support en anglais est accessible en ligne. Vous aurez à votre disposition un accès contenant tous les matériels de cours de votre formation, ainsi qu'un accès à 5 h de visionnage d'une autre formation de votre choix dans la même thématique. L'ensemble sera disponible pendant 90 jours.

## **Méthodes d'évaluation des acquis**

Afin d'évaluer l'acquisition de vos connaissances et compétences, il vous sera envoyé un formulaire d'auto-évaluation, qui sera à compléter en amont et à l'issue de la formation.

Un certificat de réalisation de fin de formation est remis au stagiaire lui permettant de faire valoir le suivi de la formation.