



Oracle Cloud Infrastructure Operations Associate Workshop

Description

Prix : 2 190 €HT

Durée : 3 jours

Code de Référence : D1102591

Catalogue Cloud Infrastructure

This course is going to walk you through some of the day-to-day operational activities that you might find yourself managing in the Oracle Cloud Infrastructure ecosystem. Kick things off with a dive into the automation components, OCI CLI, Terraform, Resource Manager, and Ansible. Next we deal with a few operational tasks associated to custom images, OS management, traffic management, security best practices, and troubleshooting. At the end of the day, it is critical for the environment to expand with the needs of the application or the customer requirements and at the same time manage costs. Learn to plan your scaling operations, and setup alerting, proper cost management of our environment and troubleshoot any issues encountered.

Cette formation permet de préparer la certification **1Z0-1067-22 : Oracle Cloud Infrastructure 2022 Cloud Operations Professional**.

Objectifs de la formation

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

- Use OCI CLI to create, discover, and terminate resources
- Create shell scripts using OCI CLI
- Use Oracle Resource Manager
- Provision a simple set of OCI resources with Ansible
- Manage custom images
- Network Security Architecture: VCN, Load balancer, and DNS
- Describe Scaling options
- Billing and account management options in OCI Console



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- Troubleshooting

Public

Cette formation Oracle Cloud Infrastructure s'adresse aux DevOps Engineer, Operations.

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

Module 1 : Introduction

- Operations Professional Course Overview
- Interacting with OCI – The Console, CLI, SDK, and REST API
- OCI CLI Authentication – API Keys, Security Tokens, Instance Principles, and more
- OCI CLI Syntax

Module 2 : Resource and Configuration Management

- Resource and Configuration Management
- Configuration Management
- Ansible with OCI
- Introduction to Terraform
- OCI Resource Manager Basics
- Syncing Resource Manager and Infrastructure
- Encapsulating Terraform

Module 3 : Common Operational Activities

- OCI Compute Operations
- Oracle Cloud Infrastructure Troubleshooting



- OS Management with Oracle Cloud Infrastructure
- Load Balancer
- Oracle Cloud Infrastructure Traffic Management and Health Checks
- Oracle Cloud Infrastructure Storage Operations (Part 1)
- Oracle Cloud Infrastructure Storage Operations (Part 2)
- Oracle Cloud Infrastructure Storage Operations (Part 3)

Module 4 : Troubleshooting and Disaster Recovery

- Troubleshooting OCI Networking Services
- Troubleshooting OCI Block Volume Service
- Troubleshooting OCI File Storage Service

Module 5 : Identity and Access Management

- Introduction – Identity and Access Management
- AuthN
- AuthZ
- Common Policies
- Compartments
- Policy Inheritance and Attachment
- Conditional Policies
- Tag-based Access Control
- Dynamic Groups
- Federation
- Identity Domain

Module 6 : Security Services

- Security Design and Controls
- What is Cloud Security Posture Management?
- Enable Cloud Guard
- Cloud Guard Concepts
- Cloud Guard Problems
- Cloud Guard – Manage Detector Recipes
- Cloud Guard Notifications
- Security Zones and Security Advisor
- Encryption Basics
- Vault Introduction
- Import and Export Keys



- OCI Services Integration with Vault
- Back up and Replicate Vaults and Keys
- Secrets
- Bastion
- Demo Bastion
- Securing Applications in the Cloud
- Securing Applications in the Cloud: Demo – Creating a WAF Policy
- Securing Applications in the Cloud: Demo – Enabling protection rules and protect from XSS Attack
- Securing Applications in the Cloud: Demo – Creating a WAF Bot Management
- Securing Applications in the Cloud: Demo – Creating a WAF Access Control
- Vulnerability Scanning: Oracle Cloud Infrastructure Security
- Introducing Observability and Management Services

Module 7 : Observability and Management

- Monitoring Service ~ Getting Started
- Key Concepts
- Notifications Service
- Access and Limits
- Service Metrics
- Metric Queries
- Managing Alarms
- Logging Service
- Fundamental Concepts
- Access, Search, and Explore Logs
- Searching Logs with Queries

Module 8 : Billing & Cost Management

- Manage Cost with Budgets and Budget Alerts
- Understand Cost with Cost Analysis
- Calculate and Optimize Cost : Compute
- Calculate and Optimize Cost : Block Storage
- Calculate and Optimize Cost : File Storage
- Calculate and Optimize Cost : Object Storage
- Calculate and Optimize Cost : Networking
- Software Licensing on OCI



Module 9 : Governance and Administration

- Governance & Administration
- Cloud Advisor
- Organization Management

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.