Oracle Cloud Infrastructure DevOps Professional: Hands-on Workshop

Module 1: Introduction to DevOps on OCI

Overview of DevOps

Overview of OCI DevOps Services

OCI DevOps Architecture and Components

OCI DevOps Tools

Module 2: OCI Container Engine for Kubernetes (OKE)

Overview of OKE

Deploying Kubernetes Clusters on OCI

Managing OKE Clusters

Deploying Applications on OKE

Module 3: OCI Developer Tools

Overview of OCI Developer Tools

Using OCI Developer Tools to Build and Deploy Applications

Using OCI CLI

Using OCI SDKs

Module 4: OCI DevOps Services

Overview of OCI DevOps Services

Using OCI Pipeline

Using OCI Artifact Registry

Using OCI Notifications

Module 5: Automating Infrastructure Deployment with Terraform

Overview of Terraform

Terraform Configuration Files and Syntax

Deploying Infrastructure on OCI with Terraform

Managing Infrastructure on OCI with Terraform

Module 6: Automating Application Deployment with Ansible

Overview of Ansible

Ansible Playbooks and Roles

Deploying Applications on OCI with Ansible

Managing Applications on OCI with Ansible

Module 7: Automating Software Delivery Pipelines with Jenkins

Overview of Jenkins

Creating Jenkins Pipelines

Integrating Jenkins with OCI DevOps Services

Automating the Deployment of Applications on OCI with Jenkins

Module 8: Best Practices for DevOps on OCI

Security Best Practices

Optimization Best Practices

Cost Optimization Best Practices

Disaster Recovery Best Practices