Oracle Cloud Infrastructure Operations Associate Workshop LVC

Course Outline

Module 1 : Automating Cloud Tasks

- Course Overview
- Introduction to Cloud Automation
- Different Ways to Access OCI
- Automation Tools: Basic Capabilities
- Knowledge Check
- OCI CLI and Cloud Shell
- Introduction to Cloud Shell
- Demo: Cloud Shell
- Terraform on OCI and OCI Resource Manager
- Terraform Configuration Files: OCI Provider
- Terraform Install
- Terraform Plan
- Oracle Resource Manager
- Demo: Resource Manager
- Ansible on OCI
- How Ansible Works
- OCI Ansible Modules

Module 2 : Operational Activities on OCI

- OCI Compute Operations
- DR Considerations
- OS Management with Oracle Cloud Infrastructure
- OS Management with Oracle Linux
- OS Management with Windows
- Load Balancer Concepts
- OCI Load Balancer Overview
- Policies, Health Checks
- Health Check Policy
- Demo: Provisioning a Load Balancer - Part 1
- Demo: Provisioning a Load Balancer - Part 2
- Load Balancing Request Routing
- Load Balancing SSL Certificates
- Load Balancing Metrics
- Oracle Cloud Infrastructure Traffic Management and Health Checks
- OCI Health Checks
- OCI Traffic Management

- OCI Storage Options Overview
- Block Storage Overview
- Block Storage Backups
- Block Storage Cloning
- Volume Groups
- Block Storage Replicas
- Shared Multi-Attach
- Oracle Cloud Infrastructure Storage Operations
- Demo: File Storage Creation
- File Storage Operations
- Object Storage Overview
- Managing Buckets and Objects
- Pre-Authenticated requests
- Life Cycle Management
- Managing Multipart uploads
- Replication
- Versioning
- Retention Rules
- Security

Module 3 : Troubleshooting OCI Services

- Oracle Cloud Infrastructure Troubleshooting
- Instance Console Connections
- Demo: Console Connection
- Diagnostic Interrrupt and Attach Boot as Block Volume
- User Data Execution
- Troubleshoot Performance
- DRG , IPSec Connection, FastConnect Overview
- IPSec Connection Testing
- Load Balancer Health Status
- Backup Copy Common Errors
- Block Storage Recovery
- Block Storage Multi Attach
- Block Storage Volume Resize
- NVME Device Failures
- Troubleshooting OCI File Storage Service
- Cannot Attach Multiple File Systems to a Mount Target Due to a Path Conflict

Module 4 : Securing OCI

- Identity and Access Management
- Policy Inheritance and Attachment
- Moving Compartments
- Oracle Cloud Infrastructure Security

- OCI Vault Service
- OCI Audit Service

Module 5 : Monitoring, Notification, Logging

- Monitoring and Notifications
- Metrics
- Alarms
- Notifications Overview
- Events Overview
- OCI Notifications Scenarios

Module 6 : Pricing, Billing, Support

- Cost Analysis Budgets and Usage Reports
- Service Limits and Usage
- Cost Management : Best Practices
- Pricing Models
- Factors that Impact Pricing
- Block Volume Pricing
- Data Transfer Costs
- Pricing Example
- Free Tier + Always Free
- SLA and Support
- OCI SLA
- OCI Support