



Technical Guftgu

(Established Under Ministry of Micro, Small and Medium Enterprises, Govt. of India)

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- ✓ Certificate provided
- ✓ Recordings Provided
- ✓ Training In Hindi/Urdu
- ✓ Expert Trainers

Oracle Cloud Infrastructure Architect-Associate (1Z0 –1072 –25)

Objectives	% of Exam
Compute	20 %
Networking	35 %
Storage	25 %
IAM	20 %

Course Curriculum –

Module 1: Identity and Access Management Overview

1. Introduction to OCI IAM
2. Overview of Identity Domains
3. OCI IAM Identity Domain Types

Module 2: Identity and Access Management – Basics

1. Creating Identity Domains
2. Demo: Creating Identity Domain
3. Managing Groups
4. Demo: Managing Groups
5. Managing User
6. Demo: Managing Users
7. Understanding Administrator Role
8. Demo: Understanding Administrator Role
9. Policies
10. Demo: Policies
11. Compartments
12. Demo: Compartments
13. Compartment Quotas
14. Demo: Compartments Quotas

Module 3: Identity and Access Management - Advanced

1. Policy Inheritance and Attachment for Compartments

2. Demo: Policy Attachment and Inheritance
3. Conditional Policies
4. Demo: Conditional Policies
5. Advanced Policies
6. Tag Based Access Control
7. Demo: Tag Based Access Control
8. Network Sources
9. Demo: Network Sources
10. Dynamic Groups
11. Demo: Dynamic Group
12. IAM Policy Optimization - Part-01
13. IAM Policy Optimization - Part-02
14. Use-Case: Object Level IAM.

Module 4: Networking - Virtual Cloud Network

1. CIDR Blocks/Prefixes - Part 1
2. CIDR Blocks/Prefixes - Part 2
3. Virtual Cloud Network
4. VCN Components - Quick Overview
5. Subnets - Part 1
6. Subnets - Part 2
7. Demo: Create a VCN (Manually)
8. Demo: Create a VCN (Using Wizard)
9. Route Tables - Part 1
10. Route Tables - Part 2
11. Demo: Route Tables
12. Internet Gateway
13. Demo: Internet Gateway

14. NAT Gateway
15. Demo: NAT Gateway
16. Service Gateway
17. Demo: Service Gateway - Part 1
18. Demo: Service Gateway - Part 2
19. Public Subnet
20. Demo: Public Subnet
21. Private Subnet
22. Demo: Private Subnet
23. VCN Security
24. Network Security Groups - Part 1
25. Network Security Groups - Part 2
26. Demo: Network Security Groups
27. Security Lists
28. Demo: Security Lists

Module 5: Networking - IP Management

1. Overview of IP Management - Part 2
2. Reserved Public IP
3. BYOIP
4. Public IP Pools
5. Demo: IP Management

Module 6: Networking - Connectivity

1. VCN Connectivity Options
2. Local VCN Peering - Part 1
3. Local VCN Peering - Part 2
4. Demo: Local VCN Peering
5. Remote VCN Peering
6. Demo: Remote VCN Peering
7. BGP Basics
8. Dynamic Routing Gateway - Part 1
9. Dynamic Routing Gateway - Part 2
10. Dynamic Routing Gateway - Part 3
11. Dynamic Routing Gateway - Part 4
12. Demo: Dynamic Routing Gateway
13. Site-to-Site VPN - Part 1
14. Site-to-Site VPN - Part 2
15. Demo: Site-to-Site VPN - Part 1
16. Demo: Site-to-Site VPN - Part 2
17. Demo: Site-to-Site VPN - Part 3
18. Fast Connect Overview - Part 1
19. Fast Connect Overview - Part 2
20. Fast Connect Overview - Part 3
21. Fast Connect With an Oracle Partner
22. Fast Connect With a Third-Party Provider
23. Fast Connect Colocation with Oracle
24. Demo: Fast Connect

25. Fast Connect Redundancy Best Practices
26. Transit Routing Scenarios

Module 7: Networking - Load Balancer

1. Load Balancer - Part 2
2. Load Balancer - Part 3
3. Load Balancer Policies
4. Health Checks
5. Public Load Balancer
6. Demo: Public Load Balancer
7. Private Load Balancer
8. Demo: Private Load Balancer
9. Network Load Balancer
10. Demo: Network Load Balancer
11. Web Application Acceleration Overview
12. Web Application Acceleration Concepts
13. Demo: Web Application Acceleration

Module 8: Networking - DNS Management

1. DNS Service Components
2. Zones
3. Public DNS Zones
4. Demo: Public DNS Zones
5. Private DNS Zones
6. Demo: Private DNS Zones
7. Private Views
8. HTTP redirect
9. Traffic Management
10. Traffic Management-Policy Types
11. Demo: Failover Policy Type
12. Demo: Load Balancer Policy Type
13. Demo: Geolocation Steering Policy Type

Module 9: Networking - Network Command Centre

1. Network Command Center Overview
2. Inter-Region Latency
3. Demo: Inter-Region Latency
4. Network Path Analyzer
5. Demo: Network Path Analyzer
6. Network Visualizer
7. Demo : Network Visualizer
8. Capture filters

9. Demo: Capture filters
10. Virtual Test Access Points
11. Demo: Virtual Test Access Points

Module 10: Compute - Basics

1. Overview of Compute Service
2. Platform and Custom Images
3. Import Export and BYOI
4. Compute Shapes
5. GPU Shapes
6. Bare Metal vs Virtual Machine vs Dedicated Hosts
7. Demo: Generate SSH Keypair
8. Demo: Launch and Connect to an Oracle Linux Instance
9. Demo: Launch and Connect to a Windows Instance
10. Demo: Create a Custom Image
11. Capacity Types Preemptible Instances
12. Demo: Preemptible Instances
13. Capacity Types Capacity Reservations
14. Demo: Create a Capacity Reservation and Launch Instances
15. Capacity Types Dedicated VM Host
16. Demo: Dedicated VM Host

Module 11 : Compute - Advanced

1. Module Overview
2. Burstable Instances
3. Demo: Create a Burstable Instances
4. Compute Vertical Scaling
5. Demo: Scale Cores and Memory for an Instance
6. Compute AutoScaling
7. Demo: Autoscaling
8. Oracle Cloud Agent
9. Oracle OS Management Hub
10. OS Management Hub - Workflow
11. OS Management Hub - Components
12. OS Management Hub for OCI Instances
13. Demo: OS Management Hub for OCI Instances
14. Run Command
15. Demo: Run Command
16. Instance Console Connection
17. Demo: Console Connection
18. Infrastructure Maintenance
19. Shielded Instances

20. Demo: Create a Shielded Instance
21. Confidential Computing

Module 12 : Object Storage - Basics

1. Module Overview
2. Overview of Object Storage
3. Object Storage Resources
4. Object Storage Characteristics
5. Demo: Create a Bucket - Console, Cloudshell, OCI CLI
6. Demo: Upload and Access the Object & Bucket Visibility
7. Multipart Uploads
8. Demo: Multipart Uploads
9. Managing Buckets and Objects
10. Object Storage Tiers
11. Auto-Tiering
12. Demo: Update Storage Tier (Manually, Auto-Tiering)
13. Object Lifecycle Management
14. Demo: Update Storage Tier (Lifecycle Management)
15. Roles and Responsibilities of Cloud Architect

Module 13 : Object Storage - Advanced

1. Module Overview
2. Object Storage Replication
3. Demo: Replication Policy
4. Object Versioning
5. Demo: Object Versioning
6. Demo: Replication Policy with Versioning
7. Retention Rules
8. Demo: Retention Rules - Time Bound and Indefinite
9. Object Copy
10. Demo: Object Copy
11. Object Storage Logging
12. Demo: Object Storage Logging
13. Securing Object Storage
14. Pre-Authenticated Requests
15. Demo: Create a Pre-authenticated request
16. Demo: Create a Bucket with Customer Managed Key
17. Demo: Re-encrypt an Object
18. Demo: Create automation based on object state changes

Module 14 : Block Storage - Basics

1. Module Overview
2. Overview of Block Volume
3. Volume Attachment Types
4. Volume Access Types
5. Boot Volumes
6. Demo: Block Volume Creation
7. Demo: Attach Block Volume to Instance - iSCSI attachment
8. Demo: Attach Block Volume to Instance - Paravirtualized Attachment
9. Demo: Configure Multiple Instance Volume Attachments - Part 1
10. Demo: Configure Multiple Instance Volume Attachments - Part 2
11. Block Volume Performance
12. Dynamic performance scaling

Module 15 : Block Storage – Advanced

1. Module Overview
2. Resizing a Volume
3. Demo: Volume Resize and Extend Partition
4. Block Volume Backups
5. Demo: Create a Block Volume Backup
6. Demo: Create a Backup Policy and define schedule
7. Demo: Restore a Block Volume Backup
8. Demo: Copy Block Volume Backup to another region
9. Block Volume Clones
10. Demo: Create a Block Volume Clone
11. Block Volume Backup vs Clone Operation
12. Block Volume: Cross-Region Replication

13. Demo: Cross Region Replication
14. Volume Groups
15. Demo: Volume Groups
16. Demo: Volume Groups Cross Region Replication
17. Block Volume: Cross Availability Domain Replication
18. Demo: Cross Availability Domain Replication
19. Demo: Block Volume Encryption

Module 16 : File Storage - Basics

1. Module Overview
2. Overview of File Storage
3. File Storage Concepts
4. Demo: Create and Mount a File System
5. NFS Export Options
6. Demo: NFS Export Options
7. File System Paths

Module 17 : File Storage - Advanced

1. Module Overview
2. File System Snapshots
3. Demo: Create a Snapshot and Perform Restoration
4. File System Cloning
5. Demo: Clone a File System
6. Demo: Encrypt using Customer Managed Keys
7. In-transit Encryption
8. Demo: Set up In-transit encryption
9. File System Replication
10. Demo: File System Replication
11. File System Security
12. File System Usage and Meterin

KEY HIGHLIGHTS OF THIS TRAINING PROGRAM:

- ✓ Entire training programme is in Hindi Language for Better understanding.
- ✓ Special focus on Non technical and Fresher candidates.
- ✓ Resume Preparation for Fresher's and Experienced Both.
- ✓ Provides Recording of each live session which you can access from anywhere anytime for One year.
- ✓ Interview Cracking tips during live sessions.
- ✓ Provide complete notes and e-books for preparation.

Exam Overview

- ✓ Duration: 90 Minutes
- ✓ Number of Questions: 50
- ✓ Minimum Qualifying Marks: 68%
- ✓ Price : ₹20,691