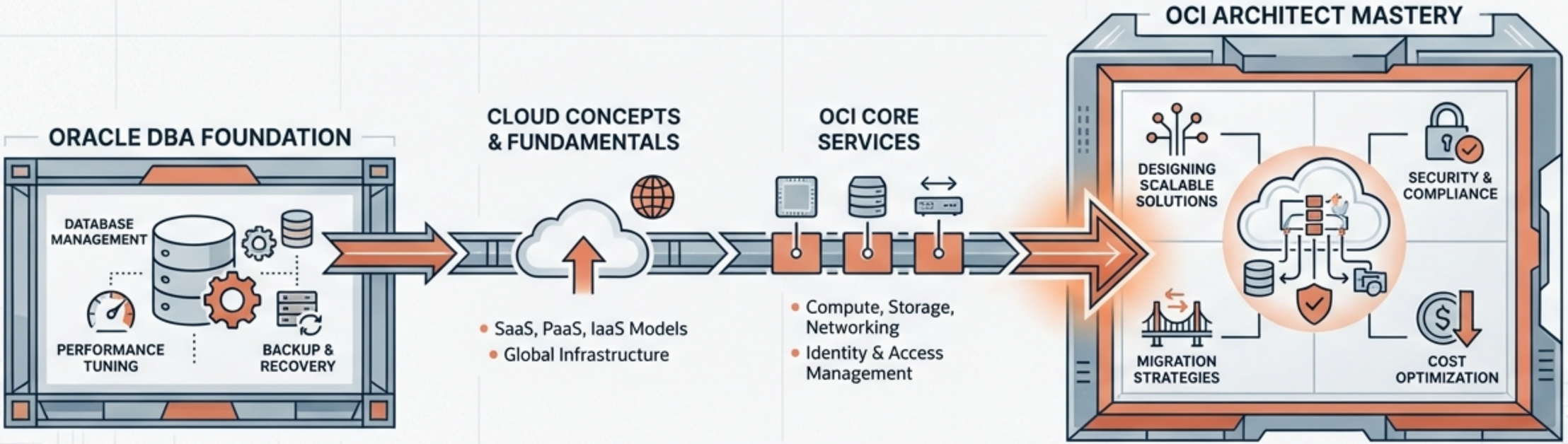
From Oracle DBA to OCI Architect: A Structured Path to Cloud Mastery

Curriculum Overview for the ExaGuru “OCI Architect Training for Oracle DBAs” Program



Structured Curriculum for ExaGuru Program

The Modern DBA: Bridging On-Premise Expertise to Cloud Architecture

A Shifting Landscape

Deep on-premise infrastructure and database expertise remains critical, but the platforms are evolving. The modern enterprise requires professionals who can architect, deploy, and manage solutions on the cloud.

Your Strategic Evolution

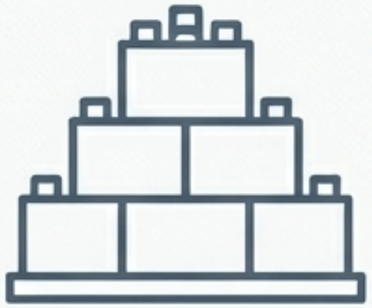
This program transforms your existing skills into a high-demand OCI Architect role. It's designed for experienced professionals, not beginners.

Specifically Designed For:

- Oracle DBAs (5–20+ years experience)
- On-prem infrastructure professionals
- Exadata / Database engineers transitioning to OCI
- Professionals targeting OCI Cloud Engineer or Architect roles

A 40-Hour Curriculum Designed for Transformation

This instructor-led program is built on four pillars to transform an Oracle DBA into a cloud-ready OCI Engineer and Associate Architect.



Build Strong OCI Fundamentals

Go beyond the console to understand the core architecture, security models, and service capabilities.

Execute via Structured Hands-On Labs

Apply concepts immediately in production-oriented labs mandatory in every core module.

Align Skills with Enterprise Projects

Learn not just the ‘what,’ but the ‘why’—how each service is used to solve real business problems.

Prepare for a Cloud Career

Gain the practical knowledge needed for OCI projects, technical interviews, and certifications.

The Learning Journey: A Three-Phase Path to OCI Mastery

1 Cloud Foundation & Security

Master the core principles, global infrastructure, and security posture of OCI. This is the bedrock of all future work.

*Modules Covered: 1 & 2

2 Core Infrastructure Services

Architect the fundamental compute, network, and storage components that form the backbone of any enterprise application.

*Modules Covered: 3, 4, & 5

3 Application Delivery & High Availability

Design resilient, scalable, and highly available solutions that meet enterprise uptime and performance requirements.

*Modules Covered: 6 & 7

1 Phase 1: Mastering Cloud Foundation and Security

Module 1: Overview of Oracle Cloud

Objective

Establish a strong conceptual understanding of OCI's global infrastructure, service categories, and deployment models.

Key Concepts

Tenancy, Region, Compartments, Availability Domains; OCI vs. ExaCS/ExaCC distinctions.

Enterprise Relevance

Make correct, cost-effective architectural decisions from day one by understanding the foundational landscape.

Module 2: Identity & Access Management (IAM)

Objective

Master the OCI security model to design and enforce least-privilege access for all cloud resources.

Key Concepts

Users, Groups, Policies, Federation, Instance Principals, Tagging Strategy.

Enterprise Relevance

Implement robust security controls critical for compliance, governance, and preventing unauthorized access in production.

Hands-On Lab Focus: Build a secure organizational structure by creating compartments, users, groups, and applying granular access policies.

2 Phase 2: Architecting Core Infrastructure | OCI Networking

Module 3: OCI Networking

Objective

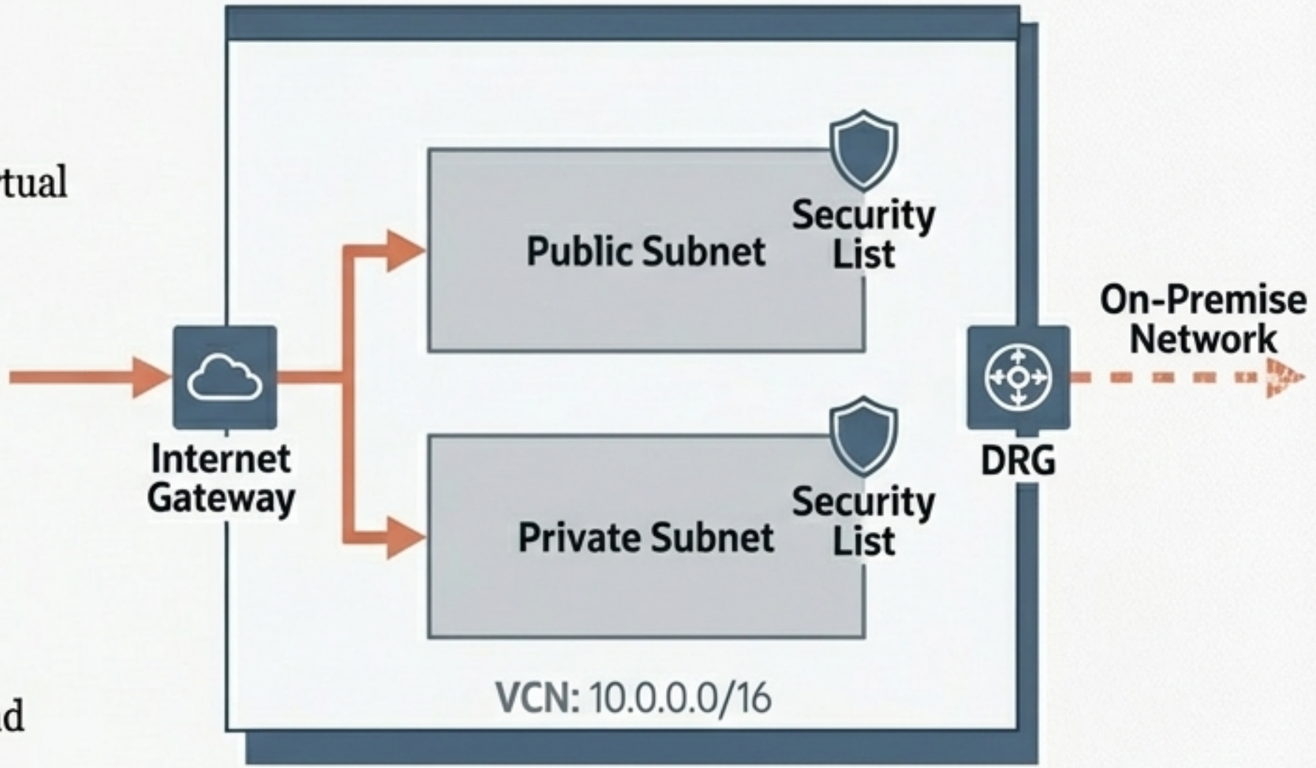
Design and implement secure, scalable, and performant Virtual Cloud Networks (VCNs) to house enterprise applications.

Key Concepts Covered

- VCN & CIDR
- Subnets & Route Tables
- Internet Gateway (IGW), NAT Gateway, DRG
- Security Lists vs. Network Security Groups
- VPN & FastConnect (Conceptual)

Enterprise Relevance

Architect the network topology that mirrors enterprise requirements for security segmentation, internet access, and on-premise connectivity.



Hands-On Lab Focus: Construct a production-ready network from the ground up, configuring VCNs, subnets, gateways, and security rules.

< 2 Phase 2: Architecting Core Infrastructure | OCI Compute

Module 4: OCI Compute – Fundamentals

Objective

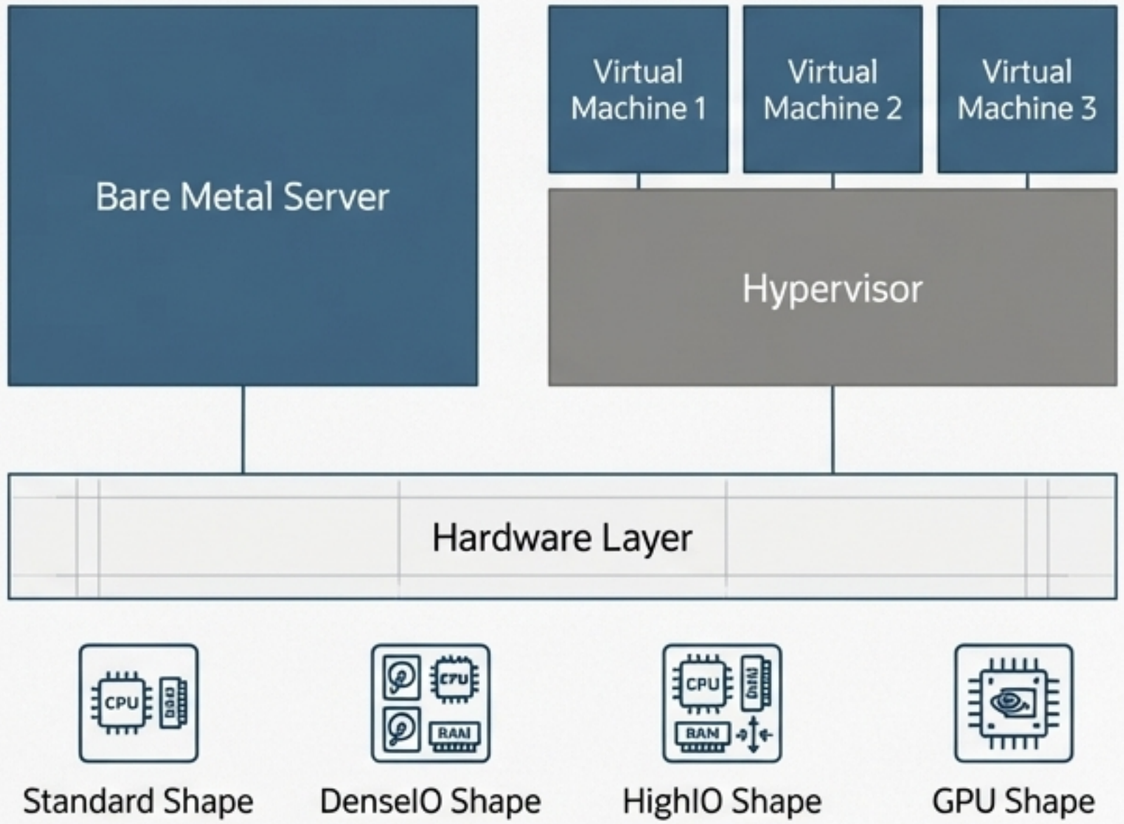
Provision, manage, and select the appropriate OCI compute instances for a variety of enterprise workloads.

Key Concepts Covered

- Bare Metal vs. Virtual Machines
- Compute Shapes: Standard, DenseIO, HighIO, GPU
- Compute Lifecycle & Billing
- Boot Volume and Block Volume Concepts

Enterprise Relevance

Match application performance and cost requirements to the right compute resources, avoiding over-provisioning and ensuring workload efficiency.



Hands-On Lab Focus: Launch and manage virtual machines, including generating SSH keys, creating Linux/Windows instances, and connecting securely.

2 Phase 2: Architecting Core Infrastructure | OCI Storage

Module 5: OCI Storage Services

Objective

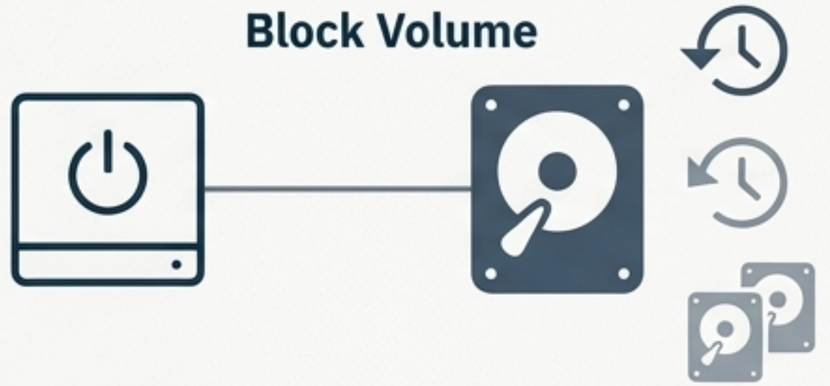
Implement the correct OCI storage solutions based on performance, durability, and cost requirements.

Key Concepts Covered

- Block Volume: Performance, Backup, Restore, Cloning
- Object Storage: Tiers, Pre-Authenticated Requests
- File Storage Service: Use cases

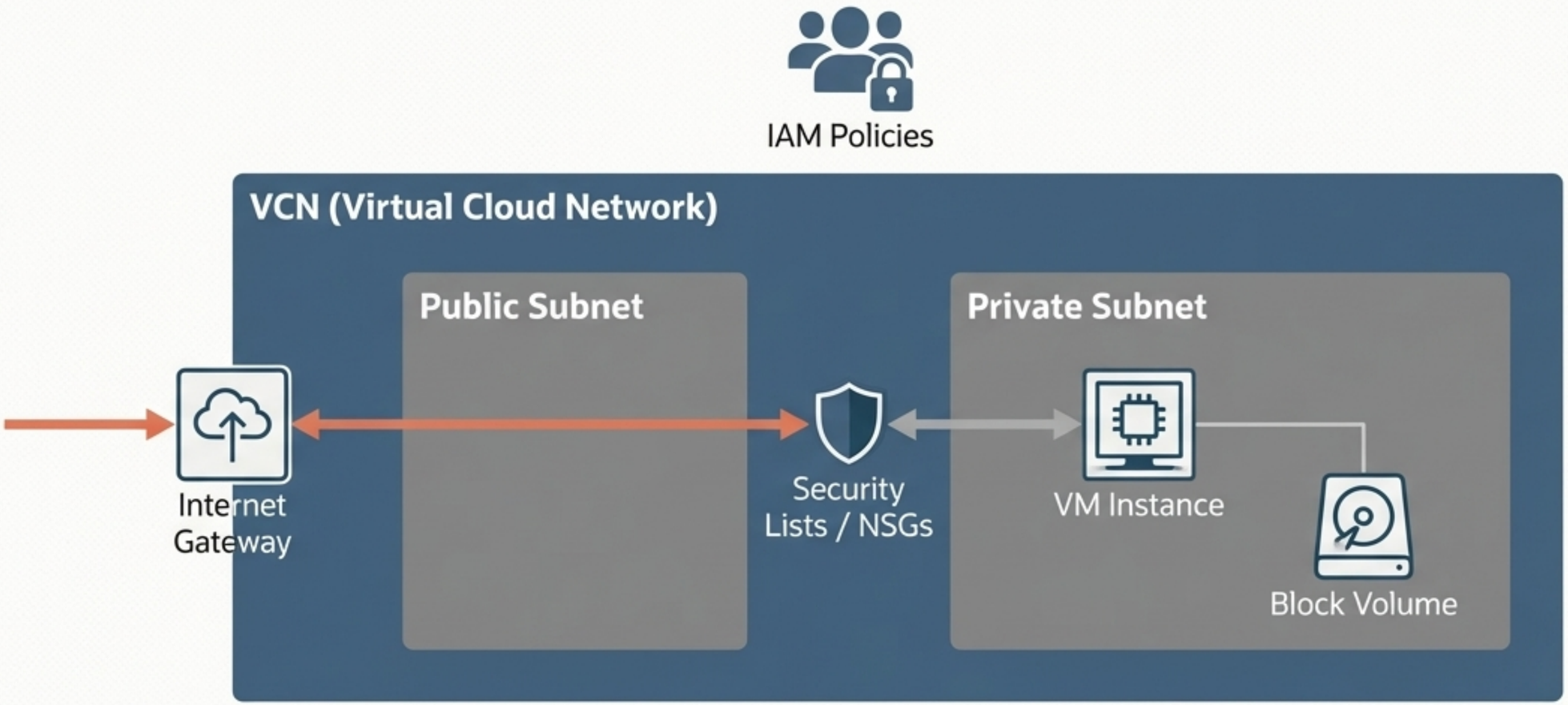
Enterprise Relevance

Design data storage strategies for databases, applications, backups, and archives, leveraging the distinct capabilities and cost models of each OCI storage service.



Hands-On Lab Focus: Manage persistent data by creating and attaching block volumes, performing backups, and utilizing object storage for unstructured data.

Milestone: Assembling a Complete IaaS Environment



Upon completing Phase 2, you possess the skills to construct a secure, multi-tier application environment in OCI. You can now combine networking, compute, and storage into a cohesive, functional architecture that is ready for enterprise workloads.

3 Phase 3: Delivering Enterprise-Grade Solutions | Load Balancing

Module 6: OCI Load Balancer Service

Objective

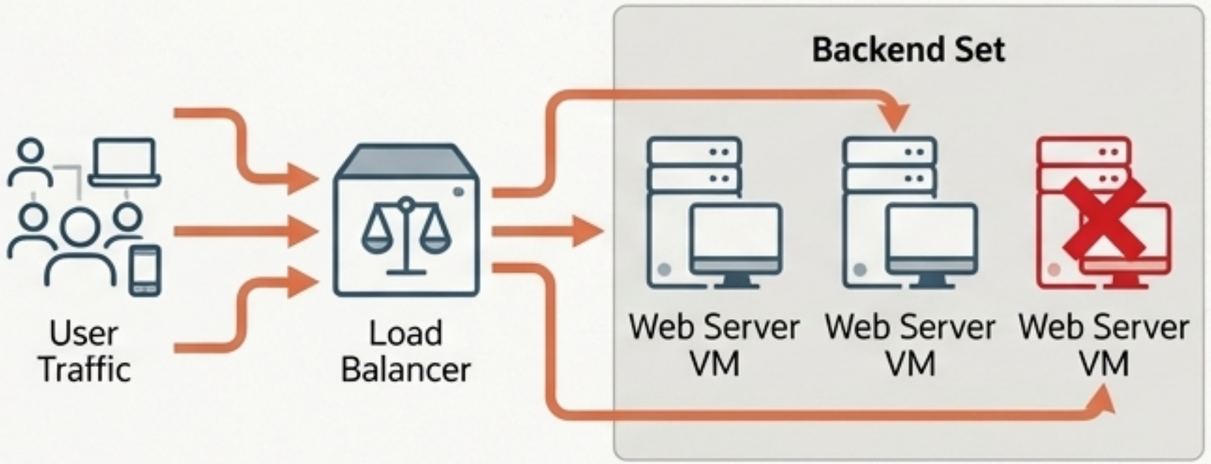
Distribute traffic across multiple application servers to achieve high availability, scalability, and system resilience.

Key Concepts Covered

- Public vs. Private Load Balancers
- Backend Sets & Health Checks
- Listeners & Traffic Distribution Rules
- Load Balancer Shapes

Enterprise Relevance

Ensure application uptime and performance during traffic spikes or component failure by eliminating single points of failure and automatically routing traffic away from unhealthy instances.



Hands-On Lab Focus: Implement a highly available web service by deploying a load balancer to distribute traffic across a pool of backend web servers.

<3 Phase 3: Delivering Enterprise-Grade Solutions | Advanced Compute & HA

Module 7: Advanced OCI Compute

Objective

Design and implement highly available compute architectures and leverage automation for efficient fleet management.

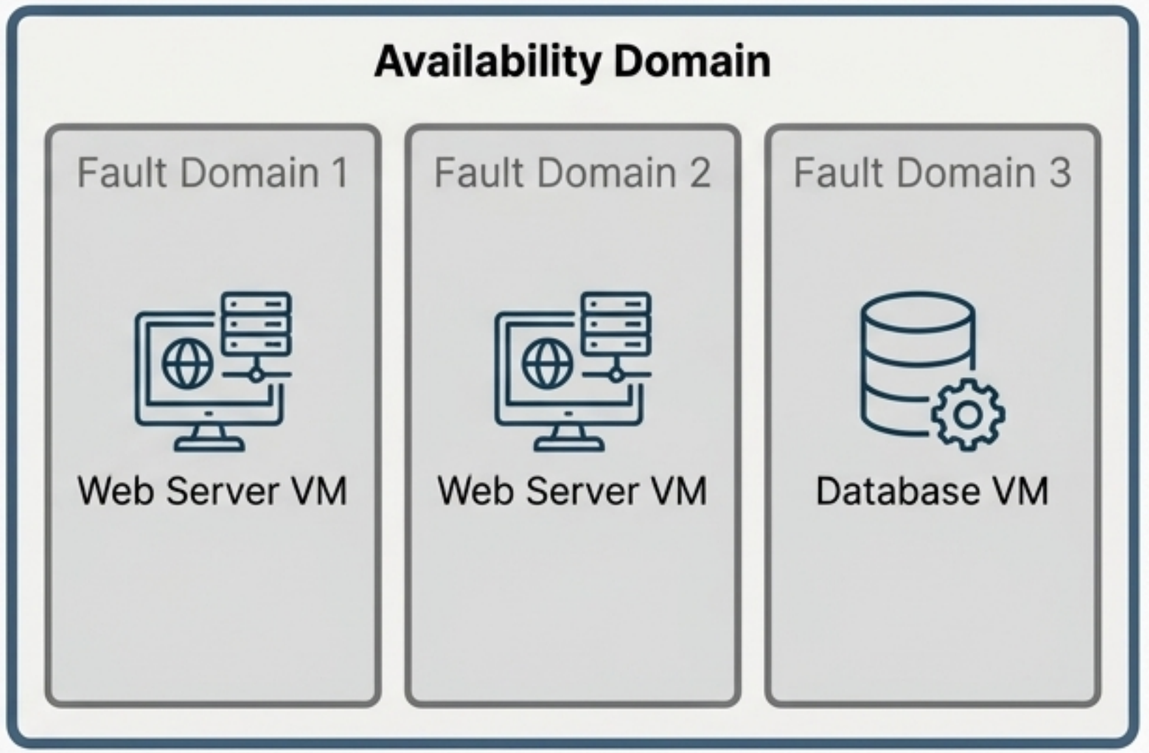
Key Concepts Covered

- Fault Domains & High Availability Patterns
- Instance Configurations & Instance Pools
- Custom Images (Import/Export)
- Cloud-init & Instance Metadata for Automation

Enterprise Relevance

Move beyond single-instance deployments to architect fault-tolerant systems that can withstand infrastructure failures, scale on demand, and be managed programmatically.

High Availability within an Availability Domain



Hands-On Lab Focus: Conceptualize advanced availability patterns, including moving compute instances across compartments and understanding cross-region disaster recovery strategies.

The Transformation Realized: Your Competencies as an OCI Architect

Architectural Design

- Design secure and scalable VCNs for multi-tier applications.
- Select appropriate compute, storage, and networking for enterprise workloads.
- Implement high-availability and fault-tolerant patterns for critical systems.

Practical Implementation

- Provision and manage core OCI services (IAM, Network, Compute, Storage, LB).
- Automate instance configuration using cloud-init and metadata.
- Secure cloud resources using granular IAM policies and network security controls.

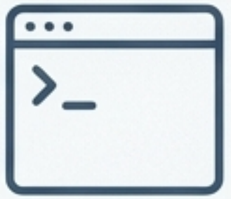
Strategic & Professional

- Align OCI services with real-world project requirements and constraints.
- Articulate design decisions based on performance, cost, and security.
- Confidently approach technical interviews and OCI certification exams.

A Learning Experience Designed for Enterprise Professionals

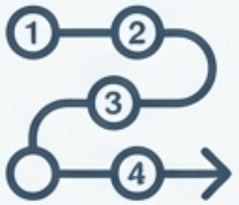
Expert Instruction

Delivered by OCI Architects with 15-20+ years of real-world enterprise experience.



Production-Oriented Labs

Mandatory, hands-on labs integrated into every core module to build practical, repeatable skills.



Structured Curriculum

A logical, 40-hour path designed to build knowledge progressively, not a random collection of features.

Real-World Focus

Content is aligned with enterprise project challenges, preparing you for immediate impact.

Your Professional Development Partner

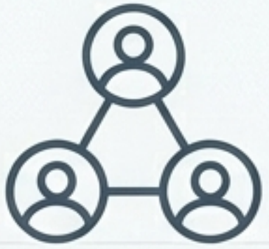
Your training journey with ExaGuru extends beyond the 40-hour course.

Continuous Learning:

High-quality video recordings of sessions accessible via our Learning Management System (LMS).

Career Advancement:

Includes dedicated interview preparation sessions and OCI certification exam Q&A guidance.



Professional Network:

Lifetime access to a private community of OCI professionals and expert instructors for ongoing support and collaboration.

From Managing Systems to Architecting Solutions

The ExaGuru ‘OCI Architect Training for Oracle DBAs’ program is a definitive step in your career evolution. It equips you with the architectural mindset, technical skills, and practical experience to design and build the next generation of enterprise solutions on Oracle Cloud Infrastructure.

ExaGuru