

OVERALL COURSE OBJECTIVE:	Oracle Cloud Infrastructure Foundations
LEARNING OUTCOME:	<ul style="list-style-type: none"> <li>• Explain Oracle Cloud Solution</li> <li>• Learn Oracle Cloud Infrastructure (OCI) Architecture and User Management</li> <li>• Create and configure a Virtual Cloud Network</li> <li>• Learn about the concepts of Load Balancer and Traffic Management</li> <li>• Create and launch Compute instance</li> <li>• Work with various storage options</li> <li>• Explain concepts of Autoscaling and OS Management</li> <li>• Secure the OCI infrastructure using WAF</li> <li>• Monitor infrastructure and Applications using the Observability and Management platform on OCI</li> </ul>
Training Duration	50 hours

Unit Number	Unit	Modules	Module Learning Outcome
1	Unit 1: Introduction to Oracle Cloud Infrastructure (OCI)	Introduction to OCI	Understand the basic concepts and architecture of Oracle Cloud Infrastructure.
			Identify key features and benefits of using OCI services.
			Learn about different OCI services available for various needs.
			Navigate and manage resources through the OCI console effectively.
		OCI Platform and Exams	Develop effective study strategies tailored for OCI certification exams.
			Identify and focus on key topics covered in OCI certification exams.
			Understand the format and structure of OCI certification exams.
			Create a comprehensive study plan to prepare for OCI exams.
		Overview of OCI Services	Understand the wide range of services offered by OCI.
			Learn about compute, storage, and networking services in OCI.
			Explore database and security services provided by OCI.
			Identify practical use cases for different OCI services.
		Benefits of OCI	Understand the various benefits of using Oracle Cloud Infrastructure.
			Learn about cost savings and performance improvements with OCI.
			Explore the scalability and flexibility offered by OCI.
			Identify security features and compliance benefits of OCI.

		Getting Started with OCI	Set up and configure an Oracle Cloud Infrastructure account.
			Navigate through the OCI console to manage resources.
			Create and manage OCI resources efficiently.
			Understand billing and cost management practices in OCI.
2	Unit 2: Identity and Access Management	Introduction to Identity and Access Management	Understand the fundamental concepts of identity and access management.
			Learn about the key components of IAM in Oracle Cloud.
			Explore various use cases and applications of IAM.
			Understand best practices for implementing IAM in OCI.
		IAM Policies	Understand the purpose and importance of IAM policies in OCI.
			Learn how to create, manage, and apply IAM policies.
			Explore the syntax and structure of IAM policy documents.
			Identify common IAM policies and their practical applications.
		IAM Users and Groups	Understand the role and significance of users and groups in IAM.
			Learn how to create and manage IAM users and groups effectively.
			Explore various IAM authentication methods available in OCI.
			Identify best practices for managing IAM users and groups securely.
		IAM Roles and Permissions	Understand the concept of roles and permissions in IAM.
			Learn how to create and manage IAM roles in OCI.
			Explore permission inheritance and delegation mechanisms.
			Identify best practices for managing IAM roles and permissions.
		Best Practices for IAM	Understand IAM security best practices to safeguard OCI environments.
			Learn about auditing and monitoring IAM activities in OCI.
			Explore compliance requirements and how IAM helps meet them.
			Identify strategies for securing identity and access management.
3	Unit 3: OCI Networking	Introduction to OCI Networking	Understand the fundamental concepts of networking in OCI.
			Learn about the architecture and components of Virtual Cloud Networks.

			Explore various networking services and features provided by OCI.
			Identify best practices for designing and implementing OCI networks.
		Virtual Cloud Networks (VCNs)	Understand the concept and purpose of Virtual Cloud Networks in OCI.
			Learn how to create, configure, and manage VCNs in OCI.
			Explore the components and features of VCNs like subnets and gateways.
			Identify practical use cases and benefits of using VCNs.
		Subnets and Routing	Understand the role and importance of subnets in OCI networking.
			Learn how to create, manage, and configure subnets in VCNs.
			Explore routing principles and components within OCI networks.
			Identify best practices for subnetting and routing in OCI.
		Security Lists and Network Security Groups	Understand the purpose and functionality of security lists in OCI.
			Learn how to create and manage security lists effectively.
			Explore the role and benefits of Network Security Groups in OCI.
			Identify best practices for implementing network security in OCI.
		VPN and FastConnect	Understand the role of VPN and FastConnect in OCI networking.
			Learn how to configure secure VPN connections in OCI.
			Explore FastConnect options and their practical applications.
			Identify best practices for establishing secure and reliable connections.
4	Unit 4: Compute and Storage	Introduction to OCI Compute	Understand the basic concepts of compute services in OCI.
			Learn about different types of compute instances available in OCI.
			Explore instance management, scaling, and performance optimization.
			Identify best practices for managing compute resources effectively.
		OCI Instances	Understand the various types of OCI compute instances and their uses.
			Learn how to create, configure, and manage compute instances in OCI.
			Explore different configuration options for OCI instances.
			Identify practical use cases for various types of OCI instances.
			Understand the basic concepts and benefits of block storage in OCI.

		Block Storage	Learn how to create, manage, and scale block storage volumes.
5	Unit 5: Database and Security		Explore performance characteristics and optimization of block storage.
			Identify best practices for managing block storage effectively.
		Object Storage	Understand the concept and uses of object storage in OCI.
			Learn how to create, manage, and use object storage buckets.
			Explore the features and benefits of OCI object storage.
			Identify best practices for managing and securing object storage.
		File Storage	Understand the basic concepts and benefits of file storage in OCI.
			Learn how to create, configure, and manage file storage systems.
			Explore performance characteristics and scalability of file storage.
			Identify best practices for managing file storage in OCI.
		Introduction to OCI Databases	Understand the basic concepts of database services in OCI.
			Learn about different types of databases available in OCI.
			Explore database management, scaling, and performance optimization.
			Identify best practices for managing OCI database resources.
		Autonomous Databases	Understand the concept and benefits of autonomous databases in OCI.
			Learn how to create, configure, and manage autonomous databases.
			Explore features and practical use cases of autonomous databases.
			Identify best practices for managing autonomous databases effectively.
		Security Best Practices	Understand security principles and best practices in OCI.
			Learn about security services and tools available in OCI.
			Explore security monitoring, auditing, and compliance in OCI.
			Identify strategies for securing OCI environments effectively.
		Governance and Administration	Understand the basics of governance and administration in OCI.
			Learn about OCI management tools and governance policies.
			Explore best practices for effective governance in OCI.
			Identify strategies for efficient administration of OCI resources.

		OCI Security Tools	Understand the various security tools available in OCI.
			Learn how to effectively use OCI security tools for protection.
			Explore monitoring and threat detection capabilities in OCI.
			Identify best practices for utilizing OCI security tools.