

Oracle Cloud Infrastructure Security Professional

1. Course Introduction

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2. Security Introduction

- Shared Security Responsibility Model
- Zero Trust Security
- Security Services Introduction
- Security Design and Controls

3. Identity and Access Management Basic

- IAM
- AuthN
- AuthZ
- Common Policies
- Compartments
- Policy Inheritance and Attachment for compartments
- Organization Management

4. Identity and Access Management - Advanced

- Conditional Policies
- Advanced Policies
- Tag-Based Access Control
- Dynamic Groups
- IAM- Federation
- Understanding Sign-In Options

5. Infrastructure Security - Network

- VCN Intro
- Security Lists and NSG
- VCN Connectivity
- VPN Connect
- FastConnect

6. Infrastructure Security - Network - Load Balancer and Certificates

- Load Balancer Concepts
- Public and Private Load Balancer
- Load Balancer Policies, Health Checks
- Load Balancer - SSL Handling
- Certificate Introduction

7. Infrastructure Security - Network -Network Firewall

- OCI Network Firewall
- Network Firewall Policy

8. Infrastructure Security - Compute

- Compute Security Best Practices
- Shielded Instances
- Bastion Host
- OS Management Intro
- Dedicated VM Hosts
- Vulnerability Scanning

9. Infrastructure Security – Storage

- Object Storage Security
- Managing Access and Authentication
- File Storage (refresher)
- File Storage Security

10. Infrastructure Security – Database

- Database Security
- ADB Security
- Introduction to Data Safe
- Oracle Data Safe in OCI
- Oracle Data Safe- Security Assessment
- Oracle Data Safe: Activity Auditing

- Oracle Data Safe: Data Discovery
- Oracle Data Safe: Data Masking
- Oracle Data Safe: Architecture
- Oracle Data Safe: target database connectivity

11. Key Management - OCI Vault

- Encryption Basics
- Vault Introduction
- Import and Export Keys
- OCI Services Integration with Vault
- Back up and Replicate Vaults and Keys
- Vault Secrets

12. Application Security

- OCI WAF
- WAF Concept

13. Cloud Security Posture Management

- What is Cloud Security Posture Management?
- Cloud Guard - Introduction
- Cloud Guard - Concepts
- Cloud Guard Problems
- Cloud Guard Detector Recipes
- Cloud Guard Responder Recipes
- Cloud Guard Notifications
- OCI Threat Intelligence Service
- Cloud Guard Threat Detector

14. Security Operations

- Managing Security Operations
- Monitoring
- Logging
- Ingesting Logs for Analytics
- Insights with Logging Analytics

- Audit
- Monitoring – Intro to Notification service
- Event service