

Advanced Cloud Security Practitioner Training

COURSE CONTENT

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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The Advanced Cloud Security Practitioner Training offered by Multisoft Systems is designed to equip professionals with the skills needed to secure cloud-based environments. This comprehensive course delves into critical topics such as cloud infrastructure security, data protection, compliance, and risk management. This training is ideal for IT professionals, security analysts, and anyone responsible for ensuring the safety of cloud services, aiming to provide a deep understanding of the intricacies of cloud security challenges and solutions.

Module 1: Cloud Basics and Models

- ✓ Evolution of infrastructure technology
- ✓ Virtualization and Hypervisor
- ✓ Introduction and Benefits of the cloud
- ✓ Shared model of cloud
- ✓ Service provided by cloud
- ✓ Challenges in cloud

Module 2: Deploy and Understand Compute and Configuration

- ✓ Secure Instance / Virtual Machine Deployment
- ✓ Host Configuration Management
- ✓ Manage Host Configuration
- ✓ Type of Cloud Storage: Disk for Compute 5 Application Security
- ✓ Threat Modelling overview
- ✓ Platform as a Service (PaaS)
- ✓ Container and Kubernetes

Module 3: Control Your Identity and Access Management

- ✓ Lifecycle for Identity and Access Management
- ✓ Concept of Cloud Account and Least privileges: Policies and Permissions, Groups and Roles, Temporary Credentials
- ✓ Secrets Management
- ✓ Customer Account Management and External Access
- ✓ Security Loopholes in Cloud IAM Services
- ✓ More IAM Best Practices

Module 4: Deploy and Monitor Network Resources

- ✓ Cloud Virtual Networking
- ✓ Network Segmentation
- ✓ Log Collection and Analysis
- ✓ Traffic Analysis of Cloud network
- ✓ Restricting Access to Network via JIT
- ✓ Cloud Logging Services
- ✓ Infrastructure as Code
- ✓ Network Protection Services: Service Endpoints and Private Endpoints

Module 5: Encrypt and Protect Data

- ✓ Lifecycle Management
- ✓ Storage Account
- ✓ Data Identification and Classification
- ✓ Cloud Access Security Brokers (CASB)
- ✓ Data Asset Management
- ✓ Cloud Service Encryption: Data at Rest Encryption, Data in Transit Encryption, Disk Level Encryption

Module 6: Detecting and Handling Cloud Incidents with Security Operation

- ✓ Cloud Based SIEM Models
- ✓ Security as a Service
- ✓ Understand How SOAR Accelerates Incident Response
- ✓ Understand Cloud Incident Response Lifecycle: Discuss Each Phase

Module 7: Basics of Penetration Testing and Forensic in Cloud

- ✓ Pen Testing in Cloud
- ✓ Scope of Cloud Pen Test
- ✓ Common Steps of Pen Testing
- ✓ Cloud Forensics
- ✓ Cloud Forensics Challenges

Module 8: Manage Business Continuity and Disaster Recovery

- ✓ Discuss Cloud Disaster Recovery and Business Continuity
- ✓ Main Element of BC/DR in cloud
- ✓ Learn to Design Disaster Recovery and Business Continuity in Cloud 3

Module 9: Handling Legal Issue and Policy in Cloud

- ✓ Understand the laws impacting cloud computing
- ✓ Learn the cloud computing standards
- ✓ Describe the legal frameworks for data protection and privacy
- ✓ Learn audit planning and reporting in the cloud
- ✓ Describe outsourcing and vendor management

Module 10: Manage GRC for the cloud

- ✓ Understand GRC in the cloud
- ✓ Discuss cloud governance
- ✓ Learn to implement and maintain governance for cloud computing
- ✓ Discuss risk management in the cloud

- ✓ Understand cloud compliance
- ✓ Learn to implement GRC in the cloud
- ✓ Understand risk management framework and process in the cloud