



# Cloud Security

CB106

02  
Days

# Cloud Security



## Outline & Objectives

The 16-hour Cloud Security Course teaches participants about cloud infrastructure, deployment, service models, and the key considerations in cloud-based security including access control and management, governance, logging, and encryption methods. The course also covers security-related compliance protocols and risk management strategies, as well as procedures related to auditing your security infrastructure. Participants will learn about vulnerability management, computer networking and security in a cloud environment, as well as how to transition into a cloud-based environment.



### Target Audience

This course is designed for learners who already know the fundamentals of Information Technology, Information Security, and Operating Systems, looking to enter the world of cloud security.

#### **Primarily**

- Security Architects
- IT and Networking Professionals across all levels



### Prerequisites

- Hands-on IT experience
- Fundamental Knowledge of Network and Web-based Security
- Basic Knowledge of Cloud Computing Infrastructure (Azure, AWS, and GCP) is recommended but not required
- Basic Understanding of Security Architecture is recommended but not required



## Content

### Day 1 **Module 01** Cloud Fundamentals

- | Cloud Computing Fundamentals
- | Cloud Security Fundamentals

### Day 1 **Module 02** Virtualization and Containers

- | Virtualization in Cloud Computing
- | Compute Virtualization
- | Identity & Access Management
- | Cloud Network Virtualization
- | Virtual appliances
- | Containers

### Day 2 **Module 03** Securing the Cloud

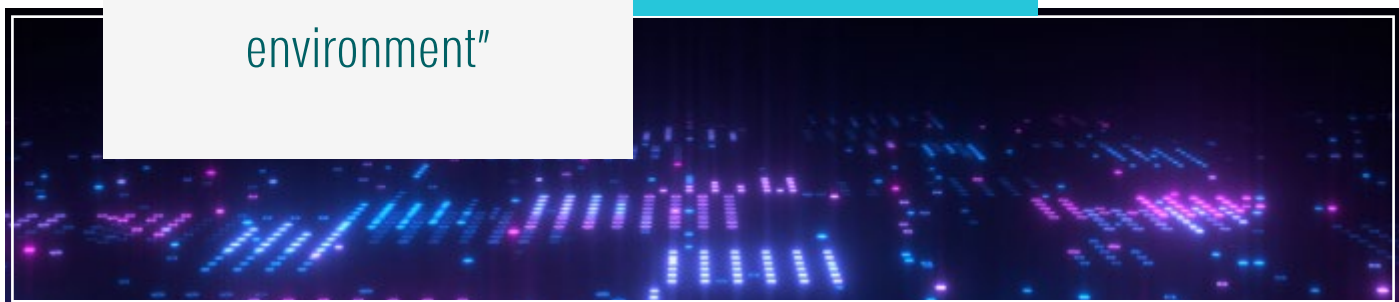
- | Security Challenges in the Cloud
- | Securing Cloud Networking
- | Software defined perimeter
- | Securing Data in The Cloud
- | Benefits and concerns of SeGaas
- | CASB

### Day 2 **Module 04** Advance Cloud Computing

- | AWS Organizations
- | Cloud Application Design & Architecture
- | Cloud Computing and Workload Security
- | Related Technologies
- | Summary



Learn about vulnerability management, computer networking and security in a cloud-based environment"



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