

# € TRAINING

Certified Cloud Security Professional CCSP





# Certified Cloud Security Professional CCSP

## Introduction:

This program is designed to prepare participants for the certification exam only.

This training program is designed to provide comprehensive education and preparation for professionals seeking expertise in cloud security. It empowers professionals to safeguard cloud-based assets and data effectively.

## Program Objectives:

At the end of this program, participants will be able to:

- Understand the fundamentals of cloud computing and its security implications.
- Identify common security risks and threats associated with cloud environments.
- Implement security controls and best practices to protect cloud infrastructure, platforms, and services.
- Design and implement cloud security architectures and solutions.
- Prepare for the Certified Cloud Security Professional CCSP certification exam.

## Targeted Audience:

- Information security professionals.
- IT professionals responsible for cloud security.
- Cloud architects and engineers.
- System and network administrators.

## Program Outline:

### Unit 1:

#### Cloud Concepts and Architectures:

- Introduction to cloud computing and its key concepts.
- Cloud service models: IaaS, PaaS, SaaS.
- Cloud deployment models: public, private, hybrid.

- Cloud security considerations and challenges.

## Unit 2:

### Cloud Data Security:

- Data classification and protection in the cloud.
- Cloud data storage security best practices.
- Data encryption and key management in the cloud.
- Database security in cloud environments.

## Unit 3:

### Cloud Platform and Infrastructure Security:

- Securing virtualization and containerization technologies.
- Identity and access management IAM in the cloud.
- Network security in cloud environments.
- Security controls for cloud infrastructure and platforms.

## Unit 4:

### Cloud Application Security:

- Securing cloud-native applications.
- Secure software development lifecycle SDLC in the cloud.
- API security and management.
- Web application security in cloud environments.

## Unit 5:

### Cloud Security Operations:

- Cloud security monitoring and incident response.
- Security automation and orchestration in the cloud.
- Compliance and legal considerations in cloud security.



- Disaster recovery and business continuity planning for cloud environments.

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