



# IT138: Certified Cloud Security Professional

## Training Description:

This

## Training Objectives:

By the end of the training, participants will be able to:

- ✓ Grasp core cloud computing concepts: Understand cloud deployment models (IaaS, PaaS, SaaS), service models, and cloud architecture.
- ✓ Identify cloud security risks: Analyze threats, vulnerabilities, and attack vectors specific to cloud environments.
- ✓ Implement cloud security controls: Design and implement security controls for cloud infrastructure, platform, and application layers.
- ✓ Manage cloud security operations: Understand incident response, disaster recovery, and business continuity in the cloud.
- ✓ Ensure legal, risk, and compliance: Apply relevant regulations and compliance frameworks to cloud security practices.
- ✓ Prepare for the CCSP exam: Gain the knowledge and skills necessary to pass the CCSP certification exam.

## Training Designed for:

This course is intended for:

- IT security professionals transitioning to cloud security roles
- Cloud architects and engineers seeking to strengthen their security posture
- Security auditors and compliance professionals working with cloud environments
- Anyone preparing for the (ISC)<sup>2</sup> Certified Cloud Security Professional (CCSP) exam

## Training Requirement:

**“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”**

This training course is available upon request in English or Arabic, virtual online live or face to face public/inhouse. Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

## Training Program:

### DAY ONE:

- ❖ **Cloud Concepts and Architecture**
  - Define cloud computing and its benefits
  - Explore different cloud deployment models (IaaS, PaaS, SaaS)
  - Understand cloud service models and shared responsibility model
  - Discuss cloud reference architecture and its security implications

### DAY TWO:

#### ❖ Cloud Security Fundamentals

- Identify cloud security threats, vulnerabilities, and attack vectors
- Analyze risk management frameworks for cloud environments
- Explore data security and privacy considerations in the cloud
- Understand encryption techniques and key management for cloud data

### DAY THREE:

#### ❖ Securing Cloud Infrastructure and Platform

- Discuss security best practices for cloud infrastructure (IaaS)
- Analyze platform security (PaaS) considerations and controls
- Explore identity and access management (IAM) for the cloud
- Understand key security features of cloud platforms (e.g., AWS Security Groups, Azure Security Center)

### DAY FOUR:

#### ❖ Cloud Application Security

- Apply secure software development lifecycle (SDLC) principles for cloud applications
- Understand cloud application security threats and vulnerabilities
- Implement API security best practices
- Design secure cloud application architectures

### DAY FIVE:

#### ❖ Cloud Security Operations and Governance

- Discuss incident response, disaster recovery, and business continuity in the cloud
- Explore cloud security logging and monitoring practices
- Understand compliance requirements and frameworks for cloud security (e.g., HIPAA, PCI DSS, GDPR)
- Review CCSP exam format, content domains, and tips for success

#### ❖ Course Conclusion

#### ❖ POST-ASSESSMENT and EVALUATION

## Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

## Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

## Training Fees:

**TBA as per the course location** - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01<sup>st</sup> of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

## Training Timings:

### Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

### For training registrations or in-house enquiries, please contact:

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