HIGH POINT CENTER

course : Cloud Security Professional (CSP)

City :	Kuala Lumpur	**Hotel :**	Kuala Lumpur
Start Date :	2025-12-22	**End Date :**	2025-12-26
Duration :	1 Week	**Price :**	3950 $

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Course Overview

With the rapid adoption of cloud computing, organizations face new security challenges in protecting sensitive data, applications, and infrastructure. The Cloud Security Professional (CSP) training course equips participants with the knowledge and skills required to secure cloud environments effectively. This course covers cloud security principles, risk management, compliance frameworks, and best practices for designing, implementing, and managing secure cloud solutions. Participants will gain hands-on experience with security tools, techniques, and strategies to mitigate threats, manage vulnerabilities, and ensure data privacy and regulatory compliance.

Course Objectives

By the end of this course, participants will be able to:
Understand core cloud security concepts, models, and deployment types.
Identify and mitigate security risks in cloud environments.
Apply best practices for cloud identity and access management (IAM).
Implement encryption, data protection, and network security measures.
Develop compliance strategies aligned with global cloud security standards.
Monitor, detect, and respond to cloud security incidents effectively.
Design and implement secure cloud architectures for business continuity.

Target Audience

This course is suitable for professionals responsible for cloud environments, including:
Cloud security engineers and architects
IT security managers and officers
Network administrators and systems engineers
Risk and compliance professionals
Anyone preparing for cloud security certifications or responsible for securing cloud-based services

Methodology

The course combines interactive learning methods to ensure comprehension and practical application, including:
Instructor-led lectures and demonstrations
Hands-on labs and practical exercises
Case studies of real-world cloud security scenarios
Group discussions and problem-solving workshops
Participants will gain both theoretical knowledge and practical skills to implement cloud security measures that protect organizational assets and comply with industry standards.

Course Outline

Day One: Introduction to Cloud Security
Overview of cloud computing and deployment models (IaaS, PaaS, SaaS)
Cloud security challenges and threat landscape
Shared responsibility model in cloud environments
Key cloud security terminology and concepts
Day Two: Identity, Access, and Authentication
Cloud identity and access management (IAM) principles
Authentication methods, multi-factor authentication (MFA)
Role-based access control (RBAC) and policy management
Hands-on exercises: configuring IAM in cloud platforms
Day Three: Data Security and Encryption
Data classification and sensitivity in the cloud
Encryption at rest and in transit
Secure key management practices
Backup, recovery, and data integrity strategies
Hands-on exercises: implementing data protection in cloud services
Day Four: Network Security and Threat Management
Network segmentation and cloud firewall configuration
Intrusion detection and prevention in cloud environments
Monitoring, logging, and alerting for cloud security events
Incident response planning and best practices
Hands-on exercise: detecting and responding to cloud security incidents
Day Five: Cloud Security Governance and Compliance
Regulatory frameworks and standards (ISO 27017, NIST, GDPR)
Cloud security policies and procedures
Risk assessment and continuous monitoring

Final project: designing a secure cloud architecture
Course wrap-up, Q&A, and personal action plan

Certificates

On successful completion of this training course, HighPoint Certificate will be awarded to the delegates. Continuing Professional Education credits (CPE): In accordance with the standards of the National Registry of CPE Sponsors, one CPE credit is granted per 50 minutes of attendance.