



Training | Consulting | Development | Outsourcing



Certified Cloud Security
Professional (CCSP)

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Course Overview:

The **Cloud Security Professional (CCSP)** training course applies information security expertise to a cloud computing environment and demonstrates competence in cloud security architecture, design, operations, and service orchestration. This professional competence is measured against a globally recognized body of knowledge. This program is comprised of a total of six (6) domains. The modular format is designed to organize and chunk information in order to assist with learning retention as participants are guided through the CCSP course materials.

Course Outline:

1. Cloud Concepts, Architecture, and Design

- Understand Cloud Computing Concepts
- Describe Cloud Reference Architecture
- Understand Security Concepts Relevant to Cloud Computing
- Understand the Design Principles of Secure Cloud Computing
- Evaluate Cloud Service Providers

2. Cloud Data Security

- Understand Cloud Data Lifecycle
- Design and Implement Cloud Data Storage Architectures
- Design and Apply Data Security Strategies
- Understand and Implement Data Discovery and Classification Technologies
- Design and Implement Relevant Jurisdictional Data Protections for Personally Identifiable Information
- Design and Implement Data Rights Management
- Plan and Implement Data Retention, Deletion, and Archiving Policies
- Design and Implement Auditability, Traceability and Accountability of Data Events

3. Cloud Platform and Infrastructure Security

- Comprehend Cloud Infrastructure Components

- Analyse Risks Associated to Cloud Infrastructure
- Design and Plan Security Controls
- Plan Disaster Recovery and Business Continuity Management

4. Cloud Application Security

- Training and Awareness in Application Security
- Understand Cloud Software Assurance and Validation
- Use Verified Secure Software
- Software Development Lifecycle (SDLC) Process
- Secure Software Development Lifecycle
- Cloud Application Architecture
- Identity and Access Management (IAM) Solutions

5. Cloud Security Operations

- Support the Planning Process of the Data Centre Design
- Implement and Build Physical Infrastructure on Cloud Environment
- Run Physical Infrastructure for Cloud Environment
- Manage Physical Infrastructure for Cloud Environment
- Build Logical Infrastructure for Cloud Environment
- Run Logical Infrastructure for Cloud Environment
- Manage Logical Infrastructure for Cloud Environment
- Ensure Compliance with Regulations and Controls
- Conduct Risk Assessment for Logical and Physical Infrastructure
- Understand the Collection and Preservation of Digital Evidence
- Manage Communications with Relevant Parties

6. Legal, Risk, and Compliance

- Legal Requirements and Unique Risks
- Privacy Issues Including Jurisdictional Variances
- Audit Process, Methodologies, and Required Adaptions
- Implications of Cloud to Enterprise Risk Management
- Outsourcing and Cloud Contract Design
- Execute Vendor Management

Prerequisites:

- Information security professionals with at least five years of full-time IT experience, including three years of information security and at least one year of cloud security experience.

Who can attend:

- This CCSP training is suitable for experienced IT personnel who are involved with information security, risk and compliance, security engineering, governance, IT auditing or IT architecture.
- The course is intended for delegates who have at least five years of recent full-time security professional work experience in information technology, of which three of those years must be in security and one year in cloud computing. The course builds on and brings together the holistic view of the topics covered in the everyday environment of an information assurance professional.

Number of Hours: 40

Certification: CCSP

Key Features:

- One to One Training
- Online Training
- Fastrack & Normal Track
- Resume Modification
- Mock Interviews
- Video Tutorials
- Materials
- Real Time Projects
- Virtual Live Experience
- Preparing for Certification