

Certified Cloud Security Professional (CCSP) **Training Course**

Certified Cloud Security Professional (CCSP) equips IT professionals with advanced technical skills and knowledge to design, manage, and secure data, applications, and infrastructure in the cloud.

Q CLO-303

Course Outcomes

Professional, practical, & hands-on live instructor-led training

Advance your skills and graduate as a certified professional, with the skills, experience, and jobsearch know how to get your career moving.

🐓 Start Today

Potential Career Tracks

Cloud Security Engi	neer Security Analyst
IT Security Consulta	nt Compliance Manager
Cloud Architect	Cloud Systems Administrator



Taught by Industry Veterans & World Class Instructors

Introduction to Certified Cloud Security Professional (CCSP)

Course Overview

The Certified Cloud Security Professional (CCSP) Training Course at Intellectual Point is meticulously crafted to equip IT professionals with the expertise required to secure cloud-based environments effectively. This comprehensive course aligns with the ISC2 CCSP certification guidelines to ensure you thoroughly understand cloud architecture, governance, and operations. Through hands-on labs and real-world scenarios, you will develop a practical understanding of cloud security solutions and strategies. With a focus on both theory and application, you will be prepared to confidently tackle cloud security challenges and excel in your IT career.

Throughout the training, you will explore cloud data and platform security, identity and access management, and risk management associated with cloud computing. The program emphasizes the practical application of skills, enabling you to implement security best practices and manage cloud environments securely. By the end of the course, you'll be ready to pass the CCSP certification exam and apply advanced cloud security techniques in any organization.

Obtainable Skills

Cloud Security Architecture Design	Data Protection Strategies	Advanced Threat Detection
Incident Response Planning Cor	npliance and Legal Requirements	Implementation
Security Operations in Cloud Environ	ments Identity and Access Ma	anagement
Risk Assessment and Management	Cloud Service Security Config	uration

Course Insights

(Audience Profile

This CCSP Training Course is tailored for experienced IT professionals, cloud engineers, security professionals, and system administrators seeking to solidify their expertise in cloud security. Ideal candidates include individuals with 3-5 years of IT experience* and those who are familiar with the fundamentals of information security and cloud computing. This course particularly benefits those aiming to validate their cloud security skills with a globally recognized credential and advance their career in cyber security, cloud architecture, or IT administration. It's also suitable for decision-makers interested in securing their organization's cloud infrastructure.

* not enough experience? Pass the CCSP exam and become an Associate of ISC2 while earning work experience.

Course Outcomes By the end of this course, participants will: 1 Understand and apply cloud security protocols for various service models and environments. 2 Develop and implement security policies and procedures that align with organizational requirements 3 Analyze and evaluate risks in cloud environments, developing strategic responses 4 Design cloud architecture solutions with integrated security controls and measures. 5 Prepare for the CCSP certification exam, enhancing credentials and career opportunities.

(1)

Module by Module Learning Outline

🖻 6 Modules

DModule 1: Cloud Security Fundamentals

Learning Objectives:

- Understand the basics of cloud computing and cloud security.
- Identify key concepts and best practices in cloud security protocols.

E Topics Covered

Introduction to Cloud Computing:

- · Definition and characteristics of cloud services.
- Types of cloud service models: laaS, PaaS, SaaS.

Overview of Cloud Security:

- Fundamental principles of cloud security.
- Common security challenges in the cloud environment.

🗇 Module 3: Data Protection Strategies in the Cloud

Learning Objectives:

- Implement data protection measures for cloud storage.
- Apply encryption techniques to secure data in transit and at rest.

Topics Covered

Data Security in Cloud Environments:

- · Protecting data integrity and privacy.
- Techniques for securing structured and unstructured data.

Encryption and Key Management:

- Overview of encryption types and their use in the cloud.
- · Best practices for key management and data encryption.

🗇 Module 5: Risk Management and Compliance in Cloud Security

Learning Objectives:

- Conduct risk assessments for cloud computing environments.
- Understand legal and compliance requirements related to cloud security.

Topics Covered

Risk Management Frameworks:

- · Identifying and evaluating risks in cloud deployments.
- · Developing risk mitigation strategies.

Compliance in the Cloud:

- Key compliance standards and regulations.
- Implementing audit and compliance measures in cloud systems.

Hodule 2: Cloud Security Architecture and Design

Learning Objectives:

- Design secure cloud architectures by integrating security controls.
- Understand cloud security architecture principles across various service models.

E Topics Covered

Security Architecture for the Cloud:

- Components of a secure cloud architecture.
- Layered security and defense in-depth strategies.

Designing Security Controls:

- Security control frameworks specific to cloud environments.
- Tools and technologies for enforcing cloud security.

D Module 4: Identity and Access Management (IAM) in Cloud Environments

Learning Objectives:

- Manage identity and access control mechanisms in cloud settings.
- Implement IAM best practices to enhance security postures.

Topics Covered

Introduction to IAM:

- · Components of identity and access management.
- Role based access control (RBAC) in cloud environments.

Implementing IAM Solutions:

- Tools and platforms for managing IAM in the cloud.
- Common IAM challenges and mitigation strategies.

DModule 6: Preparing for the CCSP Certification Exam

Learning Objectives:

- Review key concepts and domains of the CCSP exam
- Develop effective strategies for exam preparation and success.

Topics Covered

CCSP Exam Overview:

- Breakdown of CCSP certification domains.
- Study resources and tools for exam preparation.

Exam Preparation Strategies:

- Tips for mastering exam content and format.
- · Practice questions and mock exams for self evaluation.

