

Training Overview

This five-day training program focuses on the six domains in the ISC2 CCSP Common Body of Knowledge, including:

- Architectural Concepts & Design Requirements
- Cloud Data Security
- Cloud Platform & Infrastructure Security
- Cloud Application Security
- Operations
- Legal & Compliance

Practical “how to” guidance and sample questions are provided to enhance the students’ exam readiness.

Note: BAI provides training and test preparation. The exam itself is administered by ISC2.

Introduction

Backed by the Cloud Security Alliance (CSA) and (ISC)2, CCSP credentialing is the foremost certification in cloud computing. Attaining the CCSP is indicative of proficiency in securing and optimizing cloud security environments.

Prerequisites

Candidates must have five years of cumulative paid full-time information technology work experience, of which three years must be in information security and one year in one of the six CCSP domains listed above.

* Earning the Cloud Security Alliance’s CCSK certificate can be substituted for one year of experience in one of the six domains of the CCSP examination. Earning (ISC)2’s CISSP credential can be substituted for the entire CCSP experience requirement.

Who Should Become a CCSP

- Enterprise Architect
- Security Administrator
- System Engineer
- Security Architect
- Security Consultant
- Security Engineer
- Security Manager
- Systems Architect



Certified Cloud
Security Professional

**Domain 1:
Architectural Concepts
and Design Requirements**

- Module 1: Understand cloud computing concepts
- Module 2: Describe cloud reference architecture
- Module 3: Understand security concepts relevant to cloud computing
- Module 4: Understand design principles of secure cloud computing
- Module 5: Identify trusted cloud services

**Domain 2
Cloud Data Security**

- Module 1: Understand Cloud Data Life Cycle
- Module 2: Design and Implement Cloud Data Storage Architectures
- Module 3: Understand and implement Data Discovery and Classification Technologies
- Module 4: Design and Implement Relevant Jurisdictional Data Protection for Personally Identifiable Information (PII)
- Module 5: Design and implement Data Rights Management
- Module 6: Plan and Implement Data Retention, Deletion, and Archival policies
- Module 7: Design and Implement Auditability, Traceability, and Accountability of Data Events

**Domain 3
Cloud Platform
Infrastructure Security**

- Module 1: Comprehend Cloud
- Module 2: Analyze Risks Associated to Cloud Infrastructure
- Module 3: Design and Plan Security Controls
- Module 4: Plans Disaster Recovery & Business Continuity Management

**Domain 4
Cloud Application Security**

- Module 1: Recognize Need for Training and Awareness in Application Security
- Module 2: Understand Cloud Software Assurance and Validation
- Module 3: Use Verified Secure Software
- Module 4: Comprehend the Software Development Life Cycle (SDLC) Process
- Module 5: Apply the Secure Software Development Life Cycle
- Module 6: Comprehend the Specifics of Cloud Application Architecture
- Module 7: Design Appropriate Identity and Access Management (IAM) Solutions

**Domain 5
Operations**

- Module 1: Support the Planning Process for the Data Center Design
- Module 2: Implement and Build Physical Infrastructure for Cloud Environment
- Module 3: Run Physical Infrastructure for Cloud Environment
- Module 4: Manage Physical Infrastructure for Cloud Environment
- Module 5: Build Logical Infrastructure for Cloud Environment
- Module 6: Run Logical Infrastructure for Cloud Environment
- Module 7: Manage Logical Infrastructure for Cloud Environment
- Module 8: Ensure Compliance with Regulations and Controls
- Module 9: Conduct Risk Assessment to Logical and Physical Infrastructure
- Module 10: Understand the Collection and Preservation of Digital Evidence
- Module 11: Manage Communications with Relevant Parties Controls

**Domain 6
Legal and Compliance**

- Module 1: Understand Legal Requirements and Unique Risks Within the Cloud Environment
- Module 2: Understand Privacy Issues, Including Jurisdictional Variances
- Module 3: Understand Audit Process, Methodologies, and Required Adaptions for a Cloud Environment
- Module 4: Understand Implication of Cloud to Enterprise Risk Management
- Module 5: Understand Outsourcing and Cloud Contract Design
- Module 6: Execute Vendor Management