

(ISC)2 Certified Cloud Security Professional (CCSP)

Lesson 1: Introduction

- CCSP Certification
- Taking the CCSP Exam
- Computer-Based Testing Environment
- Exam Retake Policy
- Work Experience Requirement
- Recertification Requirements
- What Does This Course Cover?
- CCSP Exam Objectives
- CCSP Certification Exam Objective Map

Lesson 2: Architectural Concepts

- Cloud Characteristics
- Business Requirements
- Cloud Computing Service Categories
- Cloud Deployment Models
- Multitenancy
- Cloud Computing Roles and Responsibilities
- Cloud Computing Reference Architecture
- Virtualization
- Cloud Shared Considerations
- Emerging Technologies
- Summary
- Exam Essentials

Lesson 3: Data Classification

- Data Inventory and Discovery
- Information Rights Management
- Data Control
- Summary
- Exam Essentials

Lesson 4: Cloud Data Security

- Cloud Data Lifecycle
- Cloud Storage Architectures
- Threats to Cloud Storage
- Designing and Applying Security Strategies for Storage
- Summary
- Exam Essentials

Lesson 5: Security in the Cloud

- Shared Cloud Platform Risks and Responsibilities
- Cloud Computing Risks by Deployment Model
- Cloud Computing Risks by Service Model
- Virtualization
- Disaster Recovery (DR) and Business Continuity (BC)
- Cloud Design Patterns
- Summary
- Exam Essentials

Lesson 6: Cloud Platform, Infrastructure, and Operational Security

- Foundations of Managed Services
- Shared Responsibilities by Service Type
- Securing Communications and Infrastructure
- Securing Hardware and Compute
- Securing Software
- Managing Virtual Systems
- Assessing Vulnerabilities
- Securing the Management Plane
- Auditing Your Environment and Provider
- Summary
- Exam Essentials

Lesson 7: Cloud Application Security

- Developing Software for the Cloud
- Cloud Application Architecture
- Cloud-Secure Software Development Lifecycle (SDLC)
- Cloud Application Assurance and Validation
- Identity and Access Management
- Summary
- Exam Essentials

Lesson 8: Operations Elements

- Designing a Secure Data Center
- Managing Security Operations
- Summary
- Exam Essentials

Lesson 9: Operations Management

- Monitoring, Capacity, and Maintenance
- Change and Configuration Management
- Problem and Incident Management
- IT Service Management and Continual Service Improvement
- Business Continuity and Disaster Recovery
- Summary
- Exam Essentials

Lesson 10: Legal and Compliance Issues

- Legal Requirements and Unique Risks in the Cloud Environment
- Analyzing a Law
- Legal Liability
- Torts and Negligence
- U.S. Privacy and Security Laws
- International Laws
- Laws, Regulations, and Standards
- Information Security Management Systems
- Privacy in the Cloud
- Cloud Forensics
- Audit Processes, Methodologies, and Cloud Adaptations
- Summary
- Exam Essentials

Lesson 11: Cloud Vendor Management

- The Impact of Diverse Geographical Locations and Legal Jurisdictions
- Security Policy Framework
- Enterprise Risk Management
- Risk Treatment and Response
- Risk Analysis
- Cloud Contract Design
- Government Cloud Standards
- Manage Communication with Relevant Parties
- Summary
- Exam Essentials