

CERTIFIED CLOUD SECURITY PROFESSIONAL PREPARATION COURSE

AN ISC² CERTIFICATION

TRAINING DATASHEET

Accelerate your cybersecurity career with the CCSP certification.

Earning the CCSP certification gears you to be able to effectively respond to the ever developing threat of security breaches for your cloud or cloud-based services. With a CCSP, you validate your expertise and become an (ISC)² member, unlocking a broad array of exclusive resources, educational tools, and peer-to-peer networking opportunities.

Prove your skills, advance your career, and gain the support of a community of cybersecurity leaders here to support you throughout your career

COURSE SYNOPSIS

The CCSP Exam Preparation course is an intensive, five day examination preparation program to prepare individuals who are planning to sit for the Certified Cloud Security Professional (CCSP) exam.

The course provides candidates with the techniques and strategies needed to defend against threats and also optimise Cloud Security. Upon completion of this interactive course, individuals will be able to respond to the ever developing threats of security breaches and be able to utilise data discovery and classification technologies, execute secure jurisdictional data protection which is a prominent aim of all cloud servers and cloud-based architectures, that is becoming more apparent with the development of new stringent data protection laws.

With constantly evolving cloud platforms, the importance of Cloud Security is continually elevating for organisations. This certification prepares delegates in order to ensure that they can implement secure cloud structures within their own organisation.

DURATION

5-Day Instructor-Led Training

COURSE OBJECTIVES

Participants in the CCSP Exam Preparation course will be provided instruction designed to provide the following:

- ▲ An understanding of the format and structure of the CCSP certification exam.
- ▲ A knowledge of the various topics and technical areas covered by the exam.
- ▲ Practice with specific strategies, tips and techniques for taking and passing the exam
- ▲ Opportunities to execute practice questions with debriefs of answers

WHO SHOULD ATTEND

The CCSP is ideal for experienced IT and Cloud Security experts, Enterprise Architects, Security Consultants, Systems Engineers, Security Administrators.

OUTLINE

The CCSP Exam Preparation Course comprises ten primary sections, covering the following topics:

- ▲ General Examination Information
- ▲ Cloud Concepts, Architecture and Design
- ▲ Cloud Data Security
- ▲ Cloud Platform and Infrastructure Security
- ▲ Cloud Application Security
- ▲ Cloud Security Operations
- ▲ Legal, Risk and Compliance
- ▲ Examination Practice

CERTIFICATION

Delegates who successfully pass the exam will be allowed to apply for formal CCSP accreditation from ISC²

PRE-REQUISITES

There are no prerequisite requirements for taking the CCSP Exam Preparation Course or the CCSP exam; however, in order to apply for CCSP certification, the candidate must meet the necessary experience requirements determined by ISC².

PRE COURSE READING MATERIAL

There are no pre-course reading materials needed for this course although candidates are encouraged to have the ISC² CCSP Official Study Guide available.

ASSESSMENT FORMAT

- ▲ Multiple Choice Questions
- ▲ 20 questions
- ▲ 30 minutes duration
- ▲ Maximum Possible Score of 20 points
- ▲ 12 Marks required to pass

EXAMINATION FORMAT (optional/not included)

- ▲ Optional Examination
- ▲ Multiple Choice Questions
- ▲ 125 questions
- ▲ 3 hours duration
- ▲ Maximum Possible Score of 1000 points
- ▲ 700 points required to pass

Funding Support

This programme has been accredited under the IBF Standards (Future-Enabled Skills) and is eligible for funding under the IBF Standards Training Scheme (IBF-STTS), subject to all eligibility criteria being met.

Participants are advised to assess the suitability of the programme and its relevance to participants' business activities or job roles.

Find out more on www.ibf.org.sg.

CCSP Detailed Course Outline

1. Introduction

- ▲ Students & Trainer Introduction
- ▲ Who Should Take This Course?
- ▲ About (ISC)2
- ▲ CCSP Certification
- ▲ CCSP Examination
- ▲ CBK Review, Domain and Function Areas

2. 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

3. Cloud Data Security

- ▲ Describe Cloud Data Concepts
- ▲ Design and Implement Cloud Data Storage Architectures
- ▲ Design and Apply Data Security Technologies and Strategies
- ▲ Implement Data Discovery
- ▲ Implement Data Classification
- ▲ Design and Implement Information Rights Management (IRM)
- ▲ Plan and Implement Data Retention, Deletion and Archiving Policies
- ▲ Design and Implement Auditability, Traceability and Accountability of Data Events

4. Cloud Platform and Infrastructure Security

- ▲ Comprehend Cloud Infrastructure Components
- ▲ Design a Secure Data Center
- ▲ Analyse Risks Associated with Cloud Infrastructure
- ▲ Design and Plan Security Controls
- ▲ Plan Disaster Recovery and Business Continuity

5. Cloud Application Security

- ▲ Advocate Training and Awareness for Application Security
- ▲ Describe the Secure Software Development Life Cycle (SDLC) Process
- ▲ Apply the Secure Software Development Life Cycle (SDLC)
- ▲ Apply Cloud Software Assurance and Validation
- ▲ Use Verified Secure Software
- ▲ Comprehend the Specifics of Cloud Application Architecture
- ▲ Design Appropriate Identity and Access Management (IAM) Solutions

6. Cloud Security Operations

- ▲ Implement and Build Physical and Logical Infrastructure for Cloud Environment
- ▲ Operate Physical and Logical Infrastructure for Cloud Environment
- ▲ Manage Physical and Logical Infrastructure for Cloud Environment
- ▲ Implement Operational Controls and Standards
- ▲ Support Digital Forensics
- ▲ Manage Communications with Relevant Parties
- ▲ Manage Security Operations

7. Legal, Risk, and Compliance

- ▲ Articulate Legal Requirements and Unique Risks within the Cloud Environment
- ▲ Understand Privacy Issues
- ▲ Understand Audit Process, Methodologies, and Required Adaptations for a Cloud Environment
- ▲ Understand Implications of Cloud to Enterprise Risk Management
- ▲ Understand Outsourcing and Cloud Contract Design

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