

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Exam delivery in the classroom, with a **98% success rate**
- Course-specific thinQtank® Learning publications to keep the learning engaging
- Extended hours of training, including immersive hands-on exercises
- **We do not teach the test.** We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by working cloud security architects

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as an **instructor-led training camp**, with the exam sat in the classroom as part of the camp. Camps are scheduled by cohort rather than to a fixed calendar, and the balance of lecture and lab work is set to suit the group and the delivery method. Contact us for the schedule covering your dates.

PREREQUISITES

- Five to seven years of IT experience, at least three of them in information security
- At least one year of cloud security experience
- A working understanding of cloud service and deployment models
- Our CISSP camp is highly recommended first — and an active CISSP waives the CCSP experience requirement outright

TARGET AUDIENCE

- Security architects and engineers responsible for cloud environments
- Security managers and consultants who procure, assess or govern cloud services
- Systems and enterprise architects moving workloads to the cloud
- Compliance, risk and audit staff making a cloud estate defensible

EXAM

ISC2 CCSP — Certified Cloud Security Professional

Exam outline effective 1 August 2024. 125 multiple-choice questions, three hours. Passing score 700 on a scale of 1000.

Six domains: Cloud Data Security 20% · Cloud Concepts, Architecture and Design 17% · Cloud Platform and Infrastructure Security 17% · Cloud Application Security 17% · Cloud Security Operations 16% · Legal, Risk and Compliance 13%

Five years of cumulative paid IT experience to certify — three in information security, one in a CCSP domain. **An active CISSP waives it entirely.**

CCSP is accredited to **ISO/IEC 17024** by ANAB and is approved by the US Department of Defense under **directive 8140.03**.

COURSE OVERVIEW

thinQtank® Learning offers an industry-unique training camp in which students earn the **ISC2 CCSP** certification. As with all our ISC2 training experiences, the exam is delivered in the classroom.

CCSP is the senior cloud security credential. It covers architecture and design, data security across the whole lifecycle, platform and infrastructure hardening, application security, day-to-day security operations, and the legal, risk and compliance work that decides whether any of it is defensible when somebody asks.

It sits **alongside** CISSP rather than under it — and an active CISSP waives the CCSP experience requirement entirely, which makes this the natural second credential for anyone who already holds one. The **exam voucher is available** at \$599 USD.

COURSE OBJECTIVES

Primary course objectives:

- Apply cloud architectural concepts and reference designs at a professional level
- Classify data, and build the controls that follow from the classification
- Secure data across its whole lifecycle — create, store, use, share, archive, destroy
- Design and defend the security of a cloud platform and its infrastructure
- Secure cloud-native applications and the pipeline that ships them
- Run cloud security operations: monitoring, logging, incident handling, change control
- Manage the physical and logical operations of a cloud data center
- Work the legal problems cloud creates: jurisdiction, e-discovery, privacy, forensics
- Manage vendors and contracts: SLAs, right to audit, and the cost of leaving
- Assess and treat risk across an estate rather than one service at a time

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

WHAT YOU WILL BE ABLE TO DO

- Design a cloud environment that survives an audit as well as an attack
- Secure data through its whole lifecycle, not just at rest
- Run security operations across services you do not own
- Hold a vendor to a contract, and know what leaving one costs

EXCLUSIVE LEARNING PACKAGE

- Multicloud security lab environment
- Data lifecycle and classification workshop pack
- Cloud forensics and e-discovery scenarios
- CCSP video course
- CCSP reading plan and review guide
- CCSP certification practice exam

COURSE MODULES

01 Architectural Concepts

- Topic A: Cloud service and deployment models
- Topic B: Reference architecture and shared responsibility
- Topic C: The security concepts cloud inherits, and the ones it invents

02 Data Classification

- Topic A: Discovery and classification of cloud data
- Topic B: Information rights management
- Topic C: Retention, deletion and archiving policy

03 Cloud Data Security

- Topic A: The cloud data lifecycle
- Topic B: Storage architectures and their threats
- Topic C: Encryption, tokenization, masking and key management
- Topic D: Data event logging and chain of custody

04 Security in the Cloud

- Topic A: Shared responsibility in practice, not in theory
- Topic B: Risk in a multi-tenant environment
- Topic C: Countermeasure strategies across the models

05 Cloud Platform, Infrastructure and Operational Security

- Topic A: The physical and logical infrastructure of a cloud
- Topic B: Securing network configuration and virtualization
- Topic C: Identity, access and the control plane
- Topic D: Business continuity and disaster recovery in cloud

06 Cloud Application Security

- Topic A: Cloud-native application design and its pitfalls
- Topic B: The secure software development lifecycle
- Topic C: Application security testing and supply chain
- Topic D: Identity and access management for applications

07 Operations Elements

- Topic A: Data center design and environmental controls
- Topic B: Building and running the logical infrastructure
- Topic C: Monitoring, logging and alerting

08 Operations Management

- Topic A: Change, configuration and release management
- Topic B: Incident, problem and continuity management
- Topic C: Communicating with vendors, partners and regulators

09 Legal and Compliance Issues

- Topic A: Jurisdiction, conflicting law and cross-border data
- Topic B: Privacy, and the frameworks that govern it
- Topic C: Audit, e-discovery and cloud forensics
- Topic D: Enterprise risk management in a cloud estate

10 Cloud Vendor Management

- Topic A: Selecting and assessing a provider
- Topic B: Contracts, SLAs and the right to audit
- Topic C: Vendor lock-in, portability and what leaving costs

TERMS

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