

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 certified instructors

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

- **None.** EC-Council requires no prior cybersecurity knowledge and no IT work experience — this is a genuine starting point
- Comfort using a computer and a browser is enough to begin
- No certification is needed first, and none is assumed

EXAM

112-54 — EC-Council Cloud Security Essentials (C|SE)

Approved by four state departments of education — Virginia, Florida (CAPE), Ohio and Arkansas. That matters for school, district and workforce funding, and it is unusual for a cloud credential at this level. Ask us if you are buying through a public program.

Seventy-five multiple-choice questions, two hours, proctored. **No prerequisites** — no prior cybersecurity knowledge and no IT work experience.

The passing mark moves. EC-Council uses several forms of this exam and sets a cut score for each, from 60% to 78%. There is no single published passing number, so prepare for the top of that range.

DELIVERY METHODS

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

COURSE OVERVIEW

thinQtank® Learning offers an industry-unique training camp in which students earn **EC-Council Cloud Security Essentials (C|SE)**. As with all our EC-Council training experiences, the exam is delivered in the classroom.

C|SE is where a cloud security career starts. What the cloud actually is and what changes when your systems live in someone else's data center, then identity and access, data protection and encryption, network and application security, monitoring and incident response, risk assessment, and the compliance and governance that binds it — finished with a capstone that puts the eight modules together.

EC-Council asks for **no prior knowledge and no experience**, and we build the course to that. Exam **112-54**, and the **voucher is available** at \$299 USD.

COURSE OBJECTIVES

Primary course objectives:

- Explain cloud computing service and deployment models, and what each one changes
- Understand shared responsibility, and where your obligations actually begin
- Apply cloud security fundamentals and the vocabulary the field uses
- Configure identity and access management in a cloud environment
- Apply least privilege, roles and federation without breaking the users
- Protect data at rest and in transit with the right encryption for the case
- Manage keys and secrets properly rather than storing them in the repository
- Secure cloud networking: segmentation, security groups and traffic control
- Apply application security to workloads you did not write
- Set up cloud security monitoring, and know what a useful alert looks like
- Respond to a cloud security incident through its stages
- Assess and prioritize cloud security risk, and manage it over time rather than at a point in time
- Apply cloud compliance and governance frameworks
- Understand audit, evidence and reporting obligations in a cloud tenant
- Complete a capstone project that ties the eight modules into one piece of work

WHAT YOU WILL BE ABLE TO DO

- Explain what changes about security when a system moves to the cloud
- Configure identity and access so it is neither wide open nor unusable
- Protect data at rest and in transit, and know which control does which
- Recognize a cloud security incident and take the first correct steps

TARGET AUDIENCE

- Students and school leavers taking a first look at a cloud career
- Career changers who want cloud security without a four-year run-up
- IT and systems staff whose estate has moved to the cloud
- Cloud administrators who were never taught the security half of the job
- Security operations staff who need cloud fluency fast

EXCLUSIVE LEARNING PACKAGE

- Hands-on labs across identity, data protection, network and application security
- A capstone project that puts the eight modules together
- Monitoring and incident-response exercises in a live cloud tenant
- C|SE video course
- C|SE reading plan and review guide
- C|SE certification practice exam

COURSE MODULES

01 Cloud Computing and Security Fundamentals

- Topic A: Service and deployment models
- Topic B: The shared responsibility model, and where yours starts
- Topic C: Core cloud security concepts and vocabulary
- Topic D: Threats specific to cloud environments
- Topic E: Cloud security architecture at a glance

02 Identity and Access Management in the Cloud

- Topic A: Identities, principals and credentials
- Topic B: Authentication and multi-factor authentication
- Topic C: Authorization, roles and least privilege
- Topic D: Federation and single sign-on
- Topic E: Reviewing and pruning access that has accumulated

03 Data Protection and Encryption in the Cloud

- Topic A: Classifying data before you protect it
- Topic B: Encryption at rest and in transit
- Topic C: Key management, and who holds the key
- Topic D: Secrets management, and keeping them out of the repository
- Topic E: Backup, retention and secure deletion

04 Network Security in the Cloud

- Topic A: Virtual networks, subnets and segmentation
- Topic B: Security groups, firewalls and traffic control
- Topic C: Secure connectivity to on-premises systems
- Topic D: Public exposure, and how it happens by accident
- Topic E: Network monitoring and flow logs

05 Application Security in the Cloud

- Topic A: Securing workloads you did not write
- Topic B: Containers, images and the registry
- Topic C: Serverless and platform services
- Topic D: The deployment pipeline as an attack surface
- Topic E: Third-party components and inherited risk

06 Cloud Security Monitoring and Incident Response

- Topic A: Logging, and what is worth logging
- Topic B: Monitoring, alerting and what a useful alert looks like
- Topic C: Detecting a cloud security incident
- Topic D: Response stages, containment and recovery
- Topic E: Evidence in a tenant you do not own

07 Cloud Security Risk Assessment and Management

- Topic A: Identifying cloud-specific risk
- Topic B: Assessing and scoring what you find
- Topic C: Prioritizing, and resisting the urge to fix everything
- Topic D: Provider and third-party risk
- Topic E: Managing risk over time rather than at a point in time

08 Cloud Compliance and Governance

- Topic A: Frameworks, standards and where they apply
- Topic B: Regulatory and data residency obligations
- Topic C: Policy, and making it enforceable in the tenant
- Topic D: Audit, evidence and reporting
- Topic E: The capstone project, start to finish

TERMS

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