

Certificate of Cloud Auditing Knowledge (CCAK)

The CCAK course is divided into nine modules that cover the essential principles of auditing cloud computing systems.

MODULE 1: Cloud Governance

- Overview of governance
- Cloud assurance
- Cloud governance frameworks
- Cloud risk management
- Cloud governance tools

MODULE 2: Cloud Compliance Program

- Designing a cloud compliance program
- Building a cloud compliance program
- Legal and regulatory requirements
- Standards and security frameworks
- Identifying controls and measuring effectiveness
- CSA certification, attestation and validation

MODULE 3: CCM and CAIQ Goals, Objectives and Structure

- CCM
- CAIQ
- Relationship to standards: mappings and gap analysis
- Transition from CCM V3.0.1 to CCM V4

MODULE 4: A Threat Analysis Methodology for Cloud Using CCM

- Definitions and purpose
- Attack details and impacts
- Mitigating controls and metrics
- Use case

MODULE 5: Evaluating a Cloud Compliance Program

- Evaluation approach
- A governance perspective
- Legal, regulatory and standards perspectives
- Risk perspectives
- Services changes implications
- The need for continuous assurance/continuous compliance

MODULE 6: Cloud Auditing

- Audit characteristics, criteria & principles
- Auditing standards for cloud computing
- Auditing an on-premises environment vs. cloud
- Differences in assessing cloud services and cloud delivery models
- Cloud audit building, planning and execution

MODULE 7: CCM: Auditing Controls

- CCM audit scoping guidance
- CCM risk evaluation guide
- CCM audit workbook
- CCM an auditing example

MODULE 8: Continuous Assurance and Compliance

- DevOps and DevSecOps
- Auditing CI/CD pipelines
- DevSecOps automation and maturity

MODULE 9: STAR Program

- Standard for security and privacy
- Open Certification Framework
- STAR Registry
- STAR Level 1
- STAR Level 2
- STAR Level 3