

INTRODUCTION TO THE CERTIFICATE OF CLOUD AUDITING KNOWLEDGE

Survey Support Material

CCAKTM

*Certificate of
Cloud Auditing Knowledge*

CSA *cloud
security
alliance*[®]

What is the Certificate of Cloud Auditing Knowledge?



- A new professional credential under development by CSA
- Demonstrates expertise in understanding the essential principles of Governing and Auditing cloud computing systems
- Available in Q4 2020
- Site for information and announcements:
<https://cloudsecurityalliance.org/education/ccak>

Why do we need the CCAK?



- Cloud computing is becoming the **dominant** IT system worldwide
- Essential characteristics of cloud differ from traditional IT, e.g.:
 - **Technology stacks:** microservices, serverless computing, software-defined
 - **Deployment frameworks:** DevOps, CI/CD, Automation
 - **Governance:** shared responsibility and continuous compliance
- Traditional IT audit best practices lack necessary context and nuance for auditing cloud

What does the CCAK consist of?



- Published body of knowledge
- Online, web-based examination
- Online self-paced courses
- In-person, instructor-led classes
- *Being developed using the same model as CSA's award-winning Certificate of Cloud Security Knowledge (CCSK)*



Why is CSA developing the CCAK?



- CSA has already developed widely adopted research and programs to provide its foundation:
 - **Cloud Controls Matrix**
 - **Consensus Assessments Initiative Questionnaire**
 - Security, Trust, Assurance & Risk (**STAR**) program
 - Several other CSA research artifacts will also be leveraged in CCAK
- CSA has a large knowledge base of the key cloud regulatory programs developed by governments and industry around the world
- CSA is globally respected and trusted



The CCAK Curriculum & Estimated Pricing



- CCAK examination only - \$495 USD
- CCAK 2 Day Course - \$1,595 online, self-paced & \$1,895 instructor-led (includes examination)
 - Day 1: Cloud Governance and Compliance
 - Day 2: Cloud Auditing
- CSA STAR Auditor - \$2,995
 - Includes CCAK 2 Day Course
 - Day 3: CSA STAR Certification Lead Auditor (optional for CCAK examination but required for accreditation as a STAR Auditor)



Inside the Curriculum

CCAK Day 1: Cloud Governance and Compliance



- An updated version of CSA's existing "Cloud Governance and Compliance (CGC)" training.
- Addresses emerging trends in cloud computing
- Includes dedicated sections:
 - Cloud governance (Module 1)
 - Cloud compliance (Module 2)
- Introduce a new module on Threat Analysis Methodology (Module 5).

CCAK Day 2: Cloud Auditing



- Understand and apply auditing as an assurance tool
- Documenting and evaluating audit 'in' and 'of' the cloud
- Assessing the threats / risks associated cloud ecosystem and associated cloud compliance program.
- Designing and executing an audit plan (both internal and external perspective)
- Emphasis on integrating on-prem/private cloud and public cloud (both S-P-IaaS).
- Understanding continuous assurance and auditing
- The impact of cloud automation, native development and integration models on auditing and compliance.
- Understanding the role and benefits of the CSA-STAR Program

STAR Day 3: STAR Certification Lead Auditor



- Day 3 not required for CCAK examination
- Provides dedicated knowledge on how to audit against Cloud Controls Matrix
- Gives ability to prepare and maintain a STAR Certification
- Guidance on how to use the STAR Certification Maturity Scoring
- Provides knowledge to qualify student to be a STAR Certification Lead Auditor
 - Candidate STAR Auditors would need to pass a dedicated exam in addition to the CCAK
 - Other professional credentials may be applicable

Thank You!



Contact CSA

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CCAK: www.cloudsecurityalliance.org/education/ccak/

CCAK™

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