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CCAK certification training

ALL-IN-ONE : EXAM INCLUDED IN PRICE

2 days (14 hours)

Presentation

The CCAK (Certificate of Cloud Auditing Knowledge) is the world's first certification entirely dedicated to cloud security auditing.

This CCAK course will enable you to design and conduct an end-to-end cloud audit, integrating the specific features of cloud computing (shared responsibility, dynamic infrastructure, DevSecOps automation).

You'll learn how to assess risks, analyze controls, audit cloud-native workloads, and report your findings in the form of dashboards that can be used by the COMEX.

Your team will master the use of cloud compliance tools such as Cloud Controls Matrix (CCM v4), CAIQ, and CSA audit guides. You'll also know how to adapt regulatory requirements (RGPD, ISO 27001/17, SecNumCloud) to IaaS, PaaS and SaaS services.

CCAK enables you to manage cloud audits, secure relationships with cloud suppliers, and ensure that your organization meets its compliance obligations in hybrid or multi-cloud environments.

As with all our training courses, this one will be presented with the latest updates for the CCAK certification.

Objectives

- Understand the specifics of auditing in a cloud environment

- Master the Cloud Controls Matrix (CCM), CAIQ and the CSA STAR program
- Develop a risk-based cloud audit plan
- Integrate regulatory and contractual constraints into the audit scope
- Prepare and pass the CCAK exam with method

Target audience

- Cybersecurity managers
- Cloud architect
- GRC consultants
- IT auditors

PREREQUISITES

- IT security basics: firewalls, encryption, IAM, networks

Our CCAK training program

Understanding the fundamentals of cloud auditing

- The evolution of cloud computing and auditing challenges
- Cloud specificities: elasticity, self-service, mutualization
- Shared customer/provider responsibility model
- The role of auditing in cloud environments
- Overview of CCAK certification

Cloud governance and compliance framework

- Standards: ISO 27001/17, RGPD, NIST, SecNumCloud
- Key players: customer, supplier, third parties, regulators
- Security policy and cloud control management
- Data governance and cross-border issues
- Traceability tools and contractualization of commitments
- Workshop: Identifying contractual responsibilities in a SaaS project using the CCM model

Building a cloud compliance program

- Defining compliance objectives in a multi-cloud context
- Methodology for developing a compliance program
- Selecting the relevant controls to be audited
- Integration of CSA standards: CCM v4, CAIQ
- Introduction to the CSA STAR program

Mastering the Cloud Controls Matrix (CCM v4)

- CCM architecture: domains, controls, ISO/NIST mapping
- Using CAIQ to audit a cloud provider
- Focus on critical controls (IAM, logs, encryption, network)
- Adapting CCM to an IaaS, PaaS or SaaS environment
- Introduction to CSA audit guides and scoring
- Workshop: Evaluating an IAM CCM control using a CSA audit guide and scoring compliance

Assessing cloud-related risks and threats

- Cloud-specific risks: shadow IT, misconfiguration, insufficient logging
- Threats: data loss, API compromise, shared vulnerabilities
- Analysis models: STRIDE, business impact, attack trees
- Prioritization by severity and probability
- Risk-oriented audit techniques
- Workshop: Building a cloud risk heatmap for a fictitious enterprise (multicloud + SaaS)

Preparing and carrying out a cloud audit

- Defining the scope of the cloud audit
- Control selection: risk-based approach
- Audit methodology (planning, data collection, scoring, reporting)
- Differences from a traditional IT audit
- Deliverables: audit plan, grids, final report

Continuous assurance, DevSecOps & automation

- Integrating auditing into a CI/CD pipeline
- Notions of drift detection and continuous controls
- DevSecOps tools: GitOps, Terraform, OPA/Rego
- Logging and automated supervision
- Auditing cloud-native workloads (VMs, containers, functions)
- Workshop: Implement a compliance scan (secrets, vulnerabilities) in a GitHub CI/CD pipeline Actions

Using the CSA STAR program

- How the STAR program works
- Self-assessment, ISO 27001 certification and SOC 2 attestations
- Integrating STAR into a supplier selection process
- Using STAR to compare cloud security postures
- Link between STAR, CCM and supplier due diligence

Preparing for and passing the CCAK certification exam

- Exam structure: 76 MCQs, 2 hours, required score 70%.

- Types of questions and key themes
- Study recommendations and active reading of the reference framework
- Audit simulations: synthesis, restitution, COMEX presentation
- Mock exam + personalized review plan

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the forthcoming course, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical training: 60% hands-on, 40% theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire is used to check that skills have been correctly acquired.

Certification

A certificate will be awarded to each trainee who completes the training course.