

Certified Cloud Security Professional (CCSP) («CCSP3»)

The goal of this course is to pass the CCSP exam. With this certificate you increase your attractiveness for employers enormously. You will also help to guarantee and maintain a high security standard for cloud services.

Duration: 3 days

Price: 3'100.–

Course documents: Digicomp courseware (German) and guide book «(ISC)2 CCSP Certified Cloud Security Professional Official Study Guide 3rd Edition» (English)

Content

The personal competence of each individual employee is important for the protection of cloud services. Ethical principles and generally applicable standards are necessary to achieve and maintain a high security standard. (ISC)² and Cloud Security Alliance (CSA) have jointly developed a certificate for cloud security specialists.

The complexity and risk profile of cloud computing requires new approaches to secure cloud and hybrid environments – legacy approaches are insufficient. It takes experienced professionals with the right cloud security knowledge and skills to succeed in this space.

The Certified Cloud Security Professional (CCSP) credential is designed to ensure that cloud security professionals have the required knowledge, skills and abilities in cloud security design, implementation, architecture, operations, controls and regulatory compliance. CCSP stands for Information Security Expertise in Cloud Computing and demonstrates expertise in cloud security architecture, design, operations and service orchestration.

Outline:

- Cloud computing concepts: Definitions, roles and characteristics
- Design principles, physical and logical cloud infrastructure
- Cloud reference architectures, service models and deployment models
- Cloud-related security concepts; encryption, access control, network security and security of virtualized environments
- Cloud data lifecycle, storage technologies and data security strategies
- Data discovery and classification, privacy for personally identifiable information (PII), data rights management, data retention, erasure and archiving
- Recovery and disaster preparedness
- Application security, secure software development (Secure Development Lifecycle)
- Identity and Access Management
- Regulatory and compliance (e.g. ITIL, ISO 27001), legal requirements, global data protection laws, audit and control, outsourcing contracts

- Guaranteeing and maintaining a high security standard for cloud services
- Understanding of the different cloud models in terms of service models and architecture
- In-depth and practical understanding of the security of cloud services
- Understanding of global requirements from a regulatory and legal perspective
- Implementing the requirements in different cloud services (sourced from global providers or built and offered by them)
- Understanding of the security of software and software development as well as identity and access management for own services as well as for cloud services
- Analyzing their practical applicability
- Preparing for the exam for the international «CCSP» certificate (125 multiple-choice questions)

Target audience

This course is aimed at anyone who wants to prepare for CCSP certification. Security specialists with existing **CISSP certification** who want to expand their knowledge in the area of cloud security, as well as security administrators, system administrators and IT engineers in the area of cloud computing.

Requirements

In addition to passing the exam, the following requirements must be met for certification as a CCSP: At least five years of practical experience in Information Technology (IT/ICT), 3 years of which must be in Information Security and at least 1 year of which must be in one of the six CBK (Common Body of Knowledge) work areas, which are the following:

- Architectural Concepts and Design Requirements
- Cloud Data Security
- Cloud Platform and Infrastructure Security
- Cloud Application Security
- Operations
- Legal and Compliance

No additional years of practice are required with existing, valid CISSP certification.

Experience in telecommunications, virtual systems and networks is an advantage, good English language skills are required. For more information, please visit the ISC2.org website (<https://isc2.org/ccsp-how-to-certify/default.aspx>).

- **Certified Information Systems Security Professional (CISSP) («SSP»)**

Certification

The expertise gained in this course is measured by a globally recognized body. The CCSP is a stand-alone certificate that complements and extends existing continuing education programs, including (ISC)² «Certified Information Systems Security Professional (CISSP)» and the CSA «Cloud Security Knowledge (CCSK)» certificate.

Not included in the price are the PearsonVUE exam fees of approximately EUR 480. We recommend additional study time after the course to optimally prepare for the exam. You can register for the CCSP exam online at PearsonVUE (<http://www.pearsonvue.com/isc2/>). The CCSP exam can be taken on-site at Helidux (<http://www.helidux.ch>).

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-security/cyber-security-defense/course-certified-cloud-security-professional-ccsp

