CompTIA Advanced Security Practitioner (CASP+)

Description

CompTIA Advanced Security Practitioner (CASP+) is the ideal certification for cybersecurity professionals looking to develop advanced skills in risk management and system security. This training prepares you for the CAS-004 exam, which is essential to obtaining the certification. Unlike other management-focused courses, CASP+ is specifically aimed at technicians responsible for implementing security policies.

Through this course, you will learn how to apply strategies adapted to IT governance, cyber risks, and data protection. You will master authentication solutions, cryptography, as well as network and enterprise system security. You will also be trained on incident response and disaster recovery.

Niveau
Avancé
Course Content
Module 1: IT Risk Management and Governance

- Key issues in risk management and IT governance.
- Evaluation of cyber risks.
- Cyber risk mitigation.
- Inclusion of documents in the risk management process.

Module 2: Collaboration and Communication

- Enhanced collaboration between business departments.
- Secure communication and collaboration tools.

Module 3: Advanced Research and Analysis

- Identification of sector-specific strategies and their impact on services.
- Case analysis to ensure the security of business operations.

Module 4: Complex Authentication and Authorization

- Implementation of authentication and authorization solutions.
- Advanced identity and access rights management.

Module 5: Application of Symmetric and Asymmetric Cryptography

- Selection of appropriate cryptography techniques.
- Implementation of cryptography solutions.

Module 6: Application of Host-Level Security Controls

- Selection of hardware and host system.
- Reinforcement of secondary hosts.
- Server and desktop environment virtualization.
- Bootloader protection.

Module 7: Application of Mobile Device Security Controls

- Advanced mobile device management.
- Security and privacy concerns for mobile devices.

Module 8: Application of Network Security

- Planning the deployment of network security systems.
- Planning the deployment of network devices.
- Implementation of advanced network design.
- Network security controls implementation.

Module 9: Application of Security in System and Application Development

- Security in the IT lifecycle.
- Threat detection in applications.
- Threat detection in web apps.
- Implementation of security controls for applications.

Module 10: Deployment of Processes in a Secure Architecture

- Integration of standards and best practices into enterprise security.
- Selection of deployment models on a technical level.
- Integration of advanced security features in cloud computing.

Module 11: Security Evaluation

- Choosing the right security evaluation methods.
- Conducting security evaluations using appropriate software.

Module 12: Incident Response and Post-Incident Recovery

- Preparation for incident response and forensic investigations.
- Conducting incident response and legal IT analysis.

Documentation

- Digital course materials included

Exam

- This course prepares to the CompTIA Advanced Security Practitioner (CASP+) certification
- In order to receive the CompTIA Advanced Security Practitioner (CASP+) certification, learners must pass two exams: CAS-004.

- If you wish to take these exams, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

Participant profiles

- System and network administrators.
- Cybersecurity professionals.
- IT risk management officers.
- IT security engineers.
- Cybersecurity consultants.

Prerequisites

- Knowledge in network security.
- Understanding of risk management concepts.
- Basic knowledge of cryptography.
- Experience in system and network administration.
- Recommended prerequisite: Security+ training.

Objectives

- Apply complex authentication solutions.
- Implement advanced cryptography techniques.
- Strengthen network and system security.
- Manage mobile device security.
- Set up incident response processes.
- Evaluate IT system security.

Description
CompTIA Advanced Security Practitioner (CASP+) training
Classroom Registration Price (CHF)
4000
Virtual Classroom Registration Price (CHF)
3750
Duration (in Days)
5
Reference
COM-203