+33 (0)1 48 10 09 46
formation@ambient-it.net 140 Avenue Jean Lolive 93500 Pantin - France

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Sign up

SSCP Certification courses

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

4 days (28 hours)

Presentation

Our SSCP certification training will teach you how to master security systems. Deepen your knowledge and skills in implementing cybersecurity plans in .

During our SSCP training course, you'll review all the chapters on exam. In , we cover all 6 domains of the ISC2 SSCP Systems Security Certified Practitioner:

The exam assesses topics such as knowledge of security concepts and practices, Access Control Models, DAC, MAC, RBAC, ABAC, and Cryptography, System Security. A wide range of topics will be covered to ensure thorough and comprehensive preparation.

This certification will greatly enhance your attractiveness to employers if you want a job in the cybersecurity field.

Objectives

- Acquire the knowledge needed to pass the SSCP exam
- Master systems security knowledge
- Understanding security requirements in a cloud environment
- Acquire the knowledge needed to advise an organization on cybersecurity best practices

Target audience

- System administrator
- Safety engineer
- Cybersecurity Analyst
- Network administrator
- Cybersecurity Consultant

Prerequisites

- 2 years' experience in system/security administration recommended
- Solid knowledge of IT security
- Understanding of technical English

Note: Ambient IT is not the owner of SSCP, this certification belongs to ISC2, INC.

SSCP Certification Preparation Program

Safety concepts and practices

- Security and information fundamentals
  - Confidentiality, integrity, availability
  - Non-repudiation and authenticity
- Safety layers and perimeters
- Preventive, detective and corrective safety checks
- Regulatory frameworks such as ISO 27001, NIST, RGPD
- Security , physical access control, equipment and facility protection.

Access management

- Introduction to the concept and importance of access management
- Access control model, DAC, MAC, RBAC, ABAC
- Identity and access management IAM
- Authentication, authorization, logging, implementation and management
- Secure user account management practices
- Authentication technologies with multi-factor authentication, single sign-on, digital certificates.

Identifying and managing risks and threats

- Risk awareness, identification of threats, vulnerabilities and impacts
- Risk assessment methodologies
  - Qualitative
  - Quantitative
  - Hybrid
- Threat analysis, threat intelligence, reporting and interpretation
- Surveillance techniques, SIEM, IDS and IPS
- Risk management, reduction, transfer, acceptance or avoidance

- Dashboards for monitoring safety indicators
- Case study: analysis of a cyber attack and feedback

Cryptography, system security

- Overview of on-premise, cloud and hybrid system types
- Securing operating systems through hardening, updates and privilege management
- Database security with access management and change control
- fundamentals of cryptography public and private keys, PKI
- Applied cryptography hashing, digital signatures, modern algorithms such as AES, RSA, SHA

Network and communications security

- Network concepts OSI and TCP/IP models
- Secure protocols SSL/TLS, IPsec, VPN
- Symmetric/asymmetric cryptography, digital certificates
- Securing network infrastructures firewalls, routers, switches
- Defense against DDoS, denial-of-service and MITM network attacks
- Secure practices for wireless networks

Disaster recovery and business continuity

- Emergency plans: creation, documentation and validation through regular testing
- Backups and restores: strategies and best practices
- Crisis management: communication and coordination during an incident
- Case study: disaster recovery simulation

Strategies and tips for exam success

FAQ - QUESTIONS / ANSWERS

In which language is the SSCP course taught?

The course is in French.

What language is used for the exam?

The exam is conducted in English.

Is the exam included in the course price?

Yes, the price of certification is included in the cost of training.

How does the SSCP certification exam work?

The exam consists of a 125-question MCQ on the following topics:

- Safety concepts and practices
- Access control
- Risk identification, monitoring and analysis
- Incident response and recovery
- Cryptography
- Network and communications security
- System and application security This

exam lasts 3 hours and is in English.

To pass this exam, you need to score at least 700 points out of a possible 1000.

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 training to come, 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 course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

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

Validation

At the end of the session, a multiple-choice questionnaire is used to check correct acquisition.

skills.

Sanction

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