ProTech Professional Technical Services, Inc.

The Official CompTIA Security+ (Exam SY0-701)

Course Summary

Description

The Official CompTIA Security+ Student Guide (SY0-701) has been developed by CompTIA for the CompTIA certification candidate. Rigorously evaluated to validate coverage of the CompTIA Security+ (SY0-701) exam objectives, The Official CompTIA Security+ Student Guide teaches the knowledge and skills required to assess the security posture of an enterprise environment and recommend and implement appropriate security solutions; monitor and secure hybrid environments, including cloud, mobile, and IoT; operate with an awareness of applicable laws and policies, including principles of governance, risk, and compliance; identify, analyze, and respond to security events and incidents.

Topics

- Comparing Security Roles and Security Controls
- Explaining Threat Actors and Threat Intelligence
- Performing Security Assessments
- Identifying Social Engineering and Malware
- Summarizing Basic Cryptographic Concepts
- Implementing Public Key Infrastructure
- Implementing Authentication Controls
- Implementing Identity and Account Management Controls
- Implementing Secure Network Designs
- Implementing Network Security Appliances
- Implementing Secure Network Protocols
- Implementing Host Security Solutions

- Implementing Secure Mobile Solutions
- Summarizing Secure Application Concepts
- Implementing Secure Cloud Solutions
- Explaining Data Privacy and Protection Concepts
- Performing Incident Response
- Explaining Digital Forensics
- Summarizing Risk Management Concepts
- Implementing Cybersecurity Resilience
- Explaining Physical Security
- Appendix A: Mapping Course Content to CompTIA Security+ SY0-701 Exam Objectives
- Appendix B: Course Acronyms

Audience

This course is targeted toward the information technology (IT) professional who has networking and administrative skills in Windows-based Transmission Control Protocol/Internet Protocol (TCP/IP) networks; familiarity with other operating systems, such as macOS, Unix, or Linux; and who wants to further a career in IT by acquiring foundational knowledge of security topics; preparing for the CompTIA Security+ certification examination; or using Security+ as the foundation for advanced security certifications or career roles.

Prerequisites

To ensure your success in this course, you should have basic Windows user skills and a fundamental understanding of computer and networking concepts.

CompTIA A+ and Network+ certifications, or equivalent knowledge, and six to nine months' experience in networking, including configuring security parameters, are strongly recommended. Students can obtain this level of skill and knowledge by taking any of the following Official CompTIA courses:
The Official CompTIA A+: Core 1 (Exam 220-1001)
The Official CompTIA A+: Core 2 (Exam 220-1002)
The Official CompTIA Network+ (Exam N10-007)

Note: The prerequisites for this course might differ significantly from the prerequisites for the CompTIA certification exams. For the most up-to-date information about the exam prerequisites, complete the form on this page: https://certification.comptia.org/training/exam-objectives.

Duration

Five days