

CompTIA Security+ Certification Course - TTCTSY07

Our Security+ Certification Course provides the basic knowledge needed to plan, implement, and maintain information security in a vendor-neutral format.

Duration: 5 Days

Skill Level: Intermediate

Available Format: Instructor-Led Online ; On Public Schedule

Our Security+ Certification Course provides the basic knowledge needed to plan, implement, and maintain information security in a vendor-neutral format. This includes risk management, host and network security, authentication and access control systems, cryptography, and organizational security. This course maps to the CompTIA Security+ certification exam.

*Certification exam vouchers are available as an add-on for an additional fee.

What You'll Learn

Overview

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Objectives

- Knowledge and skills to understand 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 regulations and policies, including principles of governance, risk, and compliance
- Identify, analyze, and respond to security events and incidents, and prepare candidates to take the CompTIA Security+ certification exam

Audience

- Network Administrators
- Cybersecurity Associates
- IT personnel interested in pursuing a career in cybersecurity
- Individuals interested in pursuing the Security+ Certification

Pre-Requisites

- This course assumes basic knowledge of using and maintaining individual workstations.
- Attendees should be CompTIA A+ certified (or have equivalent experience) and CompTIA Network+ certified (or have equivalent experience) with 2-3 years networking experience.

Agenda

Lessons:

- Summarize Fundamental Security Concepts
- Compare Threat Types
- Explain Cryptographic Solutions
- Implement Identity and Access Management
- Secure Enterprise Network Architecture
- Secure Cloud Network Architecture
- Resiliency and Site Security Concepts
- Explain Vulnerability Management
- Evaluate Network Security Capabilities
- Assess Endpoint Security Capabilities

- Enhance Application Security Capabilities
- Explain Incident Response and Monitoring Concepts
- Analyze Indicators of Malicious Activity
- Summarize Security Governance Concepts
- Explain Risk Management Processes
- Summarize Data Protection and Compliance Concepts

Hands-on Labs:

- Exploring the Lab Environment
- Perform System Configuration Gap Analysis
- Configuring Examples of Security Control Types
- Finding Open Service Ports
- Using SET to Perform Social Engineering
- Using Storage Encryption
- Using Hashing and Salting
- Managing Password Security
- Managing Permissions
- Setting up Remote Access
- Using TLS Tunneling
- Using Containers
- Using Virtualization
- Implement Backups
- Performing Drive Sanitization
- Exploiting and Detecting SQLi
- Working with Threat Feeds
- Performing Vulnerability Scans
- Understanding Security Baselines
- Implementing a Firewall
- Using Group Policy
- Hardening
- Performing DNS Filtering
- Configuring System Monitoring
- Incident Response: Detection
- Performing Digital Forensics
- Performing Root Cause Analysis
- Detecting and Responding to Malware
- Understanding On-Path Attacks
- Using a Playbook
- Implementing Allow Lists and Deny Lists

- Performing Reconnaissance
- Performing Penetration Testing
- Training and Awareness through Simulation
- Discovering Anomalous Behavior
- Use Cases of Automation and Scripting
- Using Network Sniffers

For More Information

Please [contact us](#) or call 844-475-4559 toll free for more information about our training services (instructor-led, self-paced or blended), coaching and mentoring services, public course enrollment or questions, partner programs, courseware licensing options and more.