

Security + CompTIA Security+ Certification

Duration: 5 days

Price: \$4000

Certifications: CompTIA Security+

Exams: SY0-401

Course Overview

The CompTIA® Security+® course is designed to help you prepare for the SY0-401 exam. Students will implement and monitor security on networks, applications, and operating systems, and respond to security breaches.

Target Audience

This course is targeted toward an Information Technology (IT) professional who has networking and administrative skills in Windows-based TCP/IP networks and familiarity with other operating systems, such as OS X, Unix, or Linux, and who wants to further a career in IT by acquiring a foundational knowledge of security topics; prepare for the CompTIA Security+ Certification examination; or use Security+ as the foundation for advanced security certifications or career roles.

Course Objectives

Upon successful completion of this course, students will be able to:

- Identify the fundamental concepts of computer security.
- Identify security threats and vulnerabilities.
- Examine network security. Manage application, data and host security.
- Identify access control and account management security measures. Manage certificates.

Egypt Office:

10, 278th Street, Maadi, Cairo
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Spectrum Trainings FZ LLC

UAE Office:

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KSA Office:

Office No. 4054, 2nd Floor, Olaya Avenue Mall,
King Fahad Road North Kingdom Tower
Riyadh, KSA

- Identify compliance and operational security measures. Manage risk. Manage security incidents.
- develop business continuity
- Disaster recovery plans.

Course Outline

Lesson 1: Security Fundamentals

- The Information Security Cycle
- Information Security Controls
- Authentication Methods
- Cryptography Fundamentals
- Security Policy Fundamentals

Lesson 2: Security Threats and Vulnerabilities

- Social Engineering
- Physical Threats and Vulnerabilities
- Network-Based Threats
- Wireless Threats and Vulnerabilities
- Software-Based Threats

Lesson 3: Network Security

- Network Devices and Technologies
- Network Design Elements and Components
- Implement Networking Protocols
- Apply Network Security Administration Principles
- Secure Wireless Traffic

Lesson 4: Managing Application, Data, and Host Security

- Establish Device/Host Security
- Application Security
- Data Security
- Mobile Security

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Lesson 5: Access Control, Authentication, and Account Management

- Access Control and Authentication Services
- Implement Account Management Security Controls

Lesson 6: Managing Certificates

- Install a CA Hierarchy
- Enroll Certificates
- Secure Network Traffic by Using Certificates
- Renew Certificates
- Revoke Certificates
- Back Up and Restore Certificates and Private Keys

Lesson 7: Compliance and Operational Security

- Physical Security
- Legal Compliance
- Security Awareness and Training

Lesson 8: Risk Management

- Risk Analysis
- Implement Vulnerability Assessment Tools and Techniques
- Scan for Vulnerabilities
- Mitigation and Deterrent Techniques

Lesson 9: Managing Security Incidents

- Respond to Security Incidents
- Recover from a Security Incident

Lesson 10: Business Continuity and Disaster Recovery Planning

- Business Continuity
- Plan for Disaster Recovery
- Execute DRPs and Procedures

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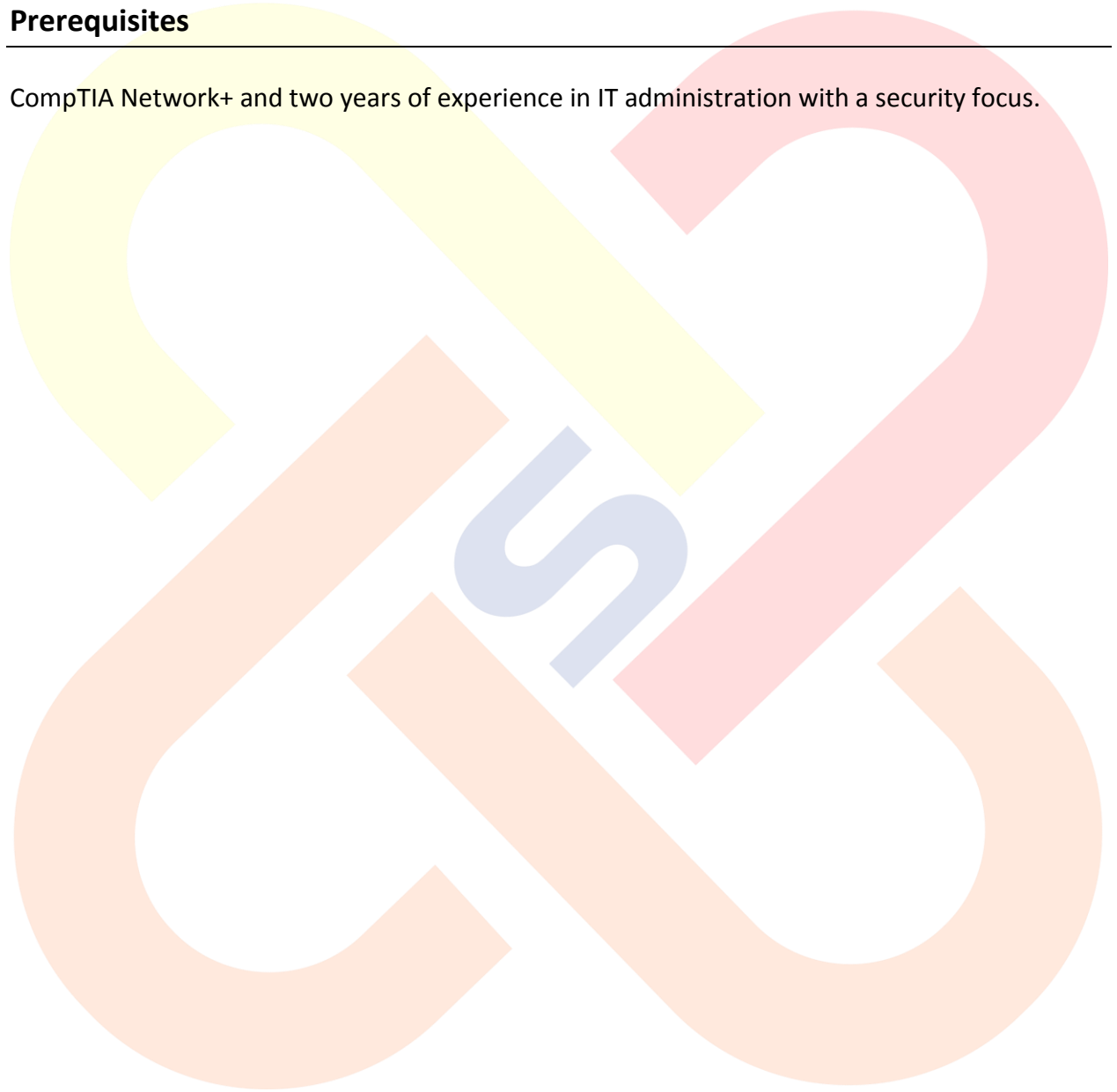
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Prerequisites

CompTIA Network+ and two years of experience in IT administration with a security focus.



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