

Security+ Certification (2011 Objectives)

Days of Training: 5

Overview

The CompTIA® Security+® (2011 Objectives) course is designed to help you prepare for the SY0-301 exam. Students will implement and monitor security on networks, applications, and operating systems, and respond to security breaches.

Prerequisites

There are no enforced prerequisites, however the recommended prerequisites are the CompTIA Network+ certification and two years of technical networking experience with an emphasis on security. CompTIA A+ Certification (2009 Objectives)
CompTIA Network+ Certification (Fourth Edition) 2009 Objectives

Next Steps

In order to obtain the Security+ Certification students must pass the Security+ 2011 Objectives exam code SY0-301.

Lesson 1: Security Fundamentals

- 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

Lesson 5: Access Control, Authentication, and Account Management

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

Lesson 6: Managing Certificates

- Install a Certificate Authority (CA) Hierarchy
- Enroll Certificates
- Secure Network Traffic by Using Certificates
- Renew Certificates
- Revoke Certificates
- Back Up and Restore Certificates and Private Keys
- 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 Disaster Recovery Plans and Procedures

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