



Fundamentals of Network Security – Aligned to Cisco Firewall Specialist and CompTIA Security+

Cisco Firewall Specialist

Cisco security certifications focus on the growing need for knowledgeable network professionals who can implement complete security solutions. Cisco Firewall Specialists focus on securing network access using Cisco IOS Software and Cisco PIX Firewall Technologies. Cisco Firewall Specialist is one of the stepping-stones to achieving the *Cisco Certified Security Professional (CCSP)*, a certification that recognises an advanced knowledge of networking security principles and practices.

Cisco Firewall Specialists:

- Identify network security threats
- Secure remote access using Cisco Secure ACS for Windows 2000 and Cisco IOS AAA software features
- Protect Internet access by configuring a Cisco perimeter router
- Configure the Cisco IOS Firewall feature set
- Use IPSec features in Cisco IOS software to create a secure site-to-site VPN using pre-shared keys and digital certificates
- Use Cisco Easy VPN features to create a secure remote access VPN solution
- Use Cisco Router Management Center to manage Cisco Router VPN implementations
- Describe and identify the features, functions, and benefits of Cisco PIX Firewalls
- Describe PIX Firewall installation procedures
- Configure PIX firewalls
- Explain the routing functionality of the PIX firewall
- Perform password recovery on the PIX firewall
- Install the PIX Device Manager and use it to configure and monitor the PIX firewall
- Test and verify PIX firewall operations

CompTIA Security +

Security+ certification is a CompTIA-sponsored testing program, which examines an individual's network security skills. The CompTIA Security+ certification exam is targeted at professionals with at least two years of networking experience and who possess a thorough knowledge of TCP/IP. Those holding the Security+ certification have demonstrated the aptitude and ability to master such knowledge areas as: general security concepts, communications security, infrastructure security, basics of cryptography, and operational/organizational security.

It is recommended that the Security+ test candidate have the knowledge and skills equivalent of those tested for in the CompTIA A+ and Network+ certification exams.

The Cisco Networking Academy Program's Fundamentals of Network Security will help prepare students to take the Security+ exam. The Security+ test is currently available globally in English only.

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