

Implementing Cisco IOS Network Security (IINS) CCNA Security

Cisco Exam: 640-553
IINS
5 Day Course Locations:
Mex, D.F.
Date: 12-16 abril

Who Needs to Attend

Network Designers
Network
Administrators
Network Engineers
Network Managers
Systems Engineers

Certification Programs and Certificate Tracks

This course is part of the
following programs or
tracks:

CCSP - Cisco
Certified Security
Professional

CCNA Security



In this course, you'll focus on the necessity of a comprehensive security policy and how it affects the posture of the network. You will learn to perform basic tasks to secure a small branch type office network using Cisco IOS security features available through web-based GUIs (Cisco Router and Security Device Manager [SDM]) and the command-line interface (CLI) on the Cisco routers and switches.

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1. Introduction to Network Security Principles

Examining Network Security Fundamentals
Examining Network Attack Methodologies
The Principles of Defense in Depth
Examining Operations Security
Understanding and Developing a Comprehensive Network Security Policy
Cisco Self-Defending Networks

2. Perimeter Security

Securing Administrative Access to Cisco Routers
Securing the Cisco IOS Image and Configuration Files
Configuring Enhanced Support for Virtual Logins
Configuring AAA on a Cisco Router Using the Local Database
Configuring AAA on a Cisco Router to Use Cisco Secure ACS
Implementing Secure Management and Reporting
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3. Network Security Using Cisco IOS Firewalls

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Firewalls in a Layered Defense Strategy
Static Packet-Filtering Firewalls
Application Layer Gateways
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4. Fundamentals of Cryptography

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Examining Symmetric Encryption
Examining Cryptographic Hashes and Digital Signatures
Examining Asymmetric Encryption and PKI

5. Site-to-Site VPNs VPN Overview

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IKE Protocol
Building a Site-to-Site IPsec VPN
Configuring IPsec on a Site-to-Site VPN Using Cisco SDM

6. Network Security Using Cisco IOS IPS

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Cisco IPS Management Software
Host and Network IPS
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Verifying IPS Operation

7. LAN, SAN, Voice, and Endpoint Security Overview

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Examining SAN Security
Examining Voice Security
Mitigating Layer 2 Attacks

