



**CTREC
HILTON**
IT ACADEMY

BUILDING TRAINING SOLUTIONS
FOR THE IT WORLD

Implementing Cisco IOS Network Security (IINS) Version 1.0

Days: 5
Format: Instructor-Led
Class Code IINS
Certification Exams: None
Certification Track: None

Recommended Course Sequence

Knowledge of prerequisites noted below.

Course content is subject to change without notice.

Course Description:

Implementing Cisco IOS Network Security (IINS) v1.0 is an instructor-led course presented by Cisco training partners to their end-customers. This five-day course focuses on the necessity of a comprehensive security policy and how it affects the posture of the network. Learners will be able to perform basic tasks to secure a small branch type office network using Cisco IOS security features available through web-based GUIs (Cisco Routers and Security Device Manager [SDM]) and the command-line interface (CLI) on the Cisco routers and switches.

Prerequisites:

To fully benefit from this course, learners should have the following prerequisite skills and knowledge:

- Skills and knowledge equivalent to those learned in Interconnecting Cisco Networking Devices Part 1 (ICND 1).
- Working knowledge of the Windows operating system.

Course Objectives:

After completing this course the student will:

- Develop a comprehensive network security policy to counter threats against information security.
- Configure routers to the network perimeter with Cisco IOS Software security features.
- Configure a Cisco IOS zone-based firewall to perform basic security operations on a network.
- Configure site-to-site VPNs using Cisco IOS features.
- Configure IPS on Cisco network routers.
- Configure LAN devices to control access, resist attacks, shield other network devices and systems, and protect the integrity and confidentiality of network traffic.

Course Outline

Lessons
■ Introduction to Network Security Principles.
■ Perimeter Security.
■ Network Security Using Cisco IOS Firewalls.
■ Site-to-Site VPNs.
■ Network Security Using Cisco IOS IPS.
■ LAN, SAN, Voice and Endpoint Security Overview.