

# CI - IINS

## Implementing Cisco IOS Network Security

### Summary

**Duration**  
5 Days

**Vendor**  
Cisco

**Category**  
CCNA Security



### Introduction

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 Router and Security Device Manager [SDM]) and the command-line interface (CLI) on the Cisco routers and switches.

### Prerequisites

The knowledge and skills that a learner must have before attending this course are as follows:

- Skills and knowledge equivalent to those learned in Interconnecting Cisco Networking Devices Part 1 (ICND1).
- Working knowledge of the Windows operating system.

### Course Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Develop a comprehensive network security policy to counter threats against information security.
- Configure routers on 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

- Module 1: Introduction to Network Security Principles
- Module 2: Perimeter Security
- Module 3: Network Security Using Cisco IOS Firewalls
- Module 4: Site-to-Site VPNs
- Module 5: Network Security Using Cisco IOS IPS
- Module 6: LAN, SAN, Voice, and Endpoint Security Overview

### **Associated Certifications & Exams**

The 640-553 IINS Implementing Cisco IOS Network Security exam is associated with the CCNA Security certification. This exam tests a candidate's knowledge of securing Cisco routers and switches and their associated networks. It leads to validated skills for installation, troubleshooting and monitoring of network devices to maintain integrity, confidentiality and availability of data and devices and develops competency in the technologies that Cisco uses in its security infrastructure.

On successful completion of this course students will receive a Torque IT attendance certificate.