

# Implementing Cisco IOS Network Security v2.0

IINS



**Delivery Type:** Classroom

**Duration:** 5 days

## Overview

This is a five-day instructor-led course that focuses on the design, implementation, and monitoring of a comprehensive security policy, using Cisco IOS security features and technologies as examples. The course covers security controls of Cisco IOS devices as well as a functional introduction to the Cisco ASA adaptive security appliance. Using instructor-led discussion, lecture, and hands-on lab exercises, this course provides delegates with the knowledge and skills required to perform the basic tasks to secure a small branch office network using Cisco IOS security features that are available through web-based GUIs (Cisco Configuration Professional) and the CLI on Cisco routers, switches, and ASA appliances.

## Target Audience

This is an ideal course for those individuals looking for an entry level understanding of security on the network.

## Pre-Requisites

**Attendees should meet the following prerequisites:**

- ✓ ICND1 - Interconnecting Cisco Network Devices Part 1 is recommended

## Certification

**Recommended preparation for exam(s):**

- ✓ 640-554 - IINS Implementing Cisco IOS Network Security
- ✓ Delegates wishing to obtain the CCNA Security Certification will also need to have passed the ICND1 exam or the CCNA Routing and Switching composite exam.

## Objectives

**After completing this program, you will be able to:**

- ✓ Describe the components of a comprehensive network security policy that can be used to counter threats against IT systems, within the context of a security policy life cycle
- ✓ Develop and implement security countermeasures that are aimed at protecting network elements as part of the network infrastructure
- ✓ Deploy and maintain threat control and containment technologies for perimeter security in small and midsize networks

- ✓ Describe secure connectivity strategies and technologies using VPNs, as well as configure site-to-site and remote-access VPNs using Cisco IOS features

### **Follow on Courses**

Delegates who are focusing on security may also wish to consider the Cisco Certified Network Professional for Security Certification for which the following courses are required.

- ✓ SECURE - Securing Networks with Cisco Routers and Switches
- ✓ FIREWALL - Deploying Cisco ASA Firewall Solutions
- ✓ VPN - Deploying Cisco ASA VPN Solutions
- ✓ IPS - Implementing Cisco Intrusion Prevention System

### **Further Information**

#### **Re-Certification**

CCNA Security certifications are valid for three years. To recertify, pass ONE of the following before the certification expiration date:

- ✓ Pass the current IINS exam or
- ✓ Pass any current Associate-level exam except for ICND1 or
- ✓ Pass any current Cisco Specialist exam (excluding Sales Specialist exams, MeetingPlace Specialist exams, Implementing Cisco TelePresence Installations (ITI) exams, Cisco Leading Virtual Classroom Instruction exams, or any 650 online exams), or
- ✓ Pass any current CCIE Written Exam, or
- ✓ Pass the current CCDE Written Exam OR current CCDE Practical Exam, or
- ✓ Pass the Cisco Certified Architect (CCAr) interview AND the CCAr board review to extend lower certifications