

Implementing Cisco IOS Network Security v2.0 IINS

Course Summary

Description

Implementing Cisco IOS Network Security (IINS) v2.0 is a five-day instructor-led course that is presented by Cisco Learning Partners to end users and channel partner customers. The content 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 allows students to perform 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.

Objectives

At the end of this course, students 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

Topics

- Networking Security Fundamentals
- Protecting the Network Infrastructure
- Threat Control and Containment
- Secure Connectivity

Audience

This course is designed for network designers, network administrators, network engineers, network managers and system engineers.

Prerequisites

The knowledge and skills that a student 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
- Working knowledge of Cisco IOS networking and concepts

Duration

Five days

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