



Security Manager for Cisco Networks

Length
3 days

Format
Lecture/lab

Track
Support

Version
1.1

Course Description

Cisco Security Manager 3.1 provides centralized security management for Cisco devices, including firewalls, IPS, and VPNs. For customers seeking a central point of control for all network security management, CS-Manager is a powerful solution for centrally provisioning security policies.

SMMN

This course is essential training for individuals who plan to deploy CS-Manager 3.1.

Who Should Attend

This course is designed for Cisco customers and Channel Partners who are currently implementing CS-Manager 3.1 or who are migrating from CiscoWorks VMS 2.3 to CS-Manager 3.1.

Recommended Prerequisites

Students who have the following experience will gain the most from this course:

- Familiarity with network security technologies, protocols, and policies
- 6 months of experience configuring Cisco routers and security products

Related Training

- Securing Cisco Network Devices (SND)
- Securing Networks with Cisco Routers and Switches (SNRS)
- Deploying Firewall Services with the Cisco Catalyst 6500 FWSM (CAT6KM-FWSM)
- Securing Networks with PIX and ASA (SNPA)
- Implementing Cisco Intrusion Prevention System (IPS)
- Cisco Secure Virtual Private Networks (CSVPN)

Learning Objectives

After you complete this course, you will be able to:

- Manage devices in CS-Manager
- Use and manage policies
- Use and manage objects
- Use the Map view
- Use platform policies to manage site-to-site VPN, remote-access VPN, and SSL VPN
- Configure platform services and policies on firewall devices
- Configure platform services and policies on Cisco IPS sensors and Cisco IOS IPS devices
- Configure platform policies on Cisco IOS routers
- Configure platform policies on Catalyst 6500 Switches and Cisco 7600 Routers
- Deploy the FlexConfig feature
- Manage activities and workflow
- Use monitoring, troubleshooting, and diagnostic tools



Learning Solutions



Security Manager for Cisco Networks

Course Outline

Module 1: Cisco Security Manager Overview

Lesson 1: Introducing Cisco Security Manager

- Product Overview
- Using Cisco Security Manager
- Installing Cisco Security Manager
- Working with the Cisco Security Manager User Interface

Lesson 2: Managing Devices

- Preparing the Devices for Cisco Security Manager to Manage
- Understanding Device View
- Adding Devices to the Cisco Security Manager Inventory
- Working with Devices with Dynamically Assigned IP Addresses
- Understanding Device Credentials
- Testing Device Connectivity
- Understanding Device Properties
- Understanding Device Grouping

Lesson 3: Managing Policies

- Understanding Policies
- Managing Policies in Device View
- Managing Shared Policies in Policy View
- Advanced Policy Features
- Discovering Policies

Lesson 4: Managing Objects

- Objects Overview
- Understanding the Policy Object Manager Window
- Overriding Global Objects for Individual Devices
- Selecting Objects for Policies

Lesson 5: Using Map View

- Understanding Maps
- Displaying Your Network on the Map
- Managing Firewall Services in Map View
- Managing VPNs in Map View
- Managing Device Policies in Map View

Module 2: Provisioning Cisco Security Devices

Lesson 1: Managing VPNs

- Overview of Site-to-Site VPNs
- Working with VPN Topologies
- Working with Site-to-Site VPN Policies
- Overview of Remote-Access VPNs
- Working with Policies in Remote-Access VPNs

Lesson 2: Managing SSL VPNs

- Overview of SSL VPNs
- Configuring SSL VPN on Cisco IOS
- Configuring SSL VPN on Cisco ASA

Lesson 3: Managing Firewall Services

- Overview of Managing Firewall Services
- Managing Rules Tables
- Understanding Access Rules
- ACL Settings
- Inspection Rules
- AAA Rules
- Web Filter Rules
- Transparent Firewall Rules

Lesson 4: Managing Firewall Devices

- Platform Policies on Firewall Devices

Lesson 5: Managing Cisco IPS Services and Devices

- Overview of Network Sensing
- Configuring Interfaces
- Configuring Signatures
- Configuring Anomaly Detection
- Configuring Event Actions
- Configuring Policies for Cisco IOS IPS Devices
- Managing Cisco IPS Devices

Lesson 6: Managing Routers

- Overview of Policy Management
- Working with Platform Policies

Lesson 7: Managing Catalyst 6500 Switches and Cisco 7600 Routers

- Overview of Managing Catalyst 6500 Series Switches and Cisco 7600 Series Routers
- Managing Policies for Catalyst 6500 Series Switches and Cisco 7600 Series Routers



Learning Solutions



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Course Outline

Module 3: Managing FlexConfigs, Deployment, and Administration in Cisco Security Manager

Lesson 1: Managing FlexConfigs

Understanding FlexConfig
Working with FlexConfig Policy Objects

Lesson 2: Managing Activities and Workflow Deployments

Understanding Activities
Working with Activities
Managing Deployment

Lesson 3: Using Monitoring, Troubleshooting, and Diagnostic Tools

Using the Tools Menu
Using Monitoring, Troubleshooting, and Diagnostic Tools

Lab 1-1: Device Bootstrap and Connectivity Test

Lab 1-2: Device Import

Lab 1-3: Interface Role Definitions and Uses

Lab 1-4: Policy Object Creation

Lab 2-1: Firewall Policy Management: Policy Sharing

Lab 2-2: Firewall Policy Management: Policy Inheritance

Lab 2-3: NAT and Inspection Rules Configuration

Lab 2-4: VPN Deployment Management

Lab 2-5: Cisco ASA Virtual Firewall Management

Lab 3-1: Device Management with CiscoWorks Auto Update Server



Learning Solutions