

MANAGING ENTERPRISE SECURITY WITH CISCO SECURITY MANAGER

DURATION: **5 DAYS**

COURSE OVERVIEW

The Managing Enterprise Security with Cisco Security Manager (SSECMGT) course is aimed at providing network security engineers with the knowledge and skills that are needed to configure and deploy Cisco Security Manager. The course also provides an overview of network security technologies, and includes case studies that are useful for deployment scenarios.

TARGET AUDIENCE

This course is designed for:

1. Anyone interested in managing policy consistency
2. Customers managing multiple Cisco security devices
3. Network security engineers working in the enterprise sector

COURSE OBJECTIVES

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

1. Present an overview of the Cisco Security Manager product, describe the main product features, and introduce the basic deployment tasks
2. Manage configuration of Cisco ASA adaptive security appliances and Cisco FWSM firewall devices, and explain firewall event management and device configuration correlation
3. Describe the most commonly used VPN topologies and their deployment
4. Examine the configuration of intrusion prevention mechanisms on the Cisco IOS platform, modules, and standalone appliances, as well as explain the Cisco IPS event and configuration correlation
5. Explain how Cisco Security Manager works with Cisco IOS devices, including the new Cisco ISR G2 routers
6. Describe the Flex Config functionality of Cisco Security Manager, the workflow mode of operation, and administrative tasks and integration with Cisco Secure ACS

COURSE CONTENT

Cisco Security Manager Overview

1. Using CSM
2. Managing Devices
3. Managing Policies
4. Managing Objects
5. Using Map View

Firewall Policy Management

1. Managing Firewall Services
2. Managing Firewall Devices
3. Event Monitoring and Rule Correlation for Firewalls

VPN Policy Configuration

1. Managing VPNs
2. Managing Remote Access IPsec VPNs
3. Configuring Client-Based SSL VPNs
4. Configuring Advanced VPN Configurations
5. Deploying Advanced VPN Technologies
6. GET VPN Overview

Cisco IPS Solutions Management

1. Managing Cisco IPS Services
2. Managing Cisco IPS Devices
3. Managing Cisco IPS Events

Cisco IOS Device Provisioning

1. Managing Routers
2. Using the Cisco Catalyst 6500 Series Switch and Cisco 7600 Series Router Device Manager

Management, Deployment, and Administration of Flex Configs in CSM

1. Managing Flex Configs
2. Managing Activities and Workflow Deployments
3. Implementing Integration Between CSM and Cisco Secure ACS
4. Backing Up and Restoring CSM Databases
5. Using Monitoring, Troubleshooting, and Diagnostic Tools

COURSE PREREQUISITES

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

1. CCNP Security certification
2. CCNP-level understanding of networking and routing
3. Understanding of different VPN technologies (such as DMVPN, GET VPN, and SSL VPN)
4. At least six months of practical experience configuring Cisco Security products

To gain the prerequisite skills and knowledge, Cisco strongly recommends the knowledge of the following courses:

1. Securing Networks with Cisco Routers and Switches (SECURE)
2. Deploying Cisco ASA Firewall Solutions (FIREWALL)
3. Deploying Cisco ASA VPN Solutions (VPN)
4. Implementing Cisco Intrusion Prevention System (IPS)