IT-SSNGFW - Securing Networks with Cisco Firepower Next Generation Firewall

Cisco - CCNP Security - Networking

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**Cisco Certified Network Professional Security**

Descrizione del corso

The Securing Networks with Cisco Firepower Next Generation Firewall (SSNGFW) v1.0 course shows you how to deploy and use Cisco Firepower® Threat Defense system. This hands-on course gives you knowledge and skills to use and configure Cisco® Firepower Threat Defense technology, beginning with initial device setup and configuration and including routing, high availability, Cisco Adaptive Security Appliance (ASA) to Cisco Firepower Threat Defense migration, traffic control, and Network Address Translation (NAT). You will learn how to implement advanced Next-Generation Firewall (NGFW) and Next-Generation Intrusion Prevention System (NGIPS) features, including network intelligence, file type detection, network-based malware detection, and deep packet inspection. You will also learn how to configure site-to-site VPN, remote-access VPN, and SSL decryption before moving on to detailed analysis, system administration, and troubleshooting. This course helps you prepare to take the 300-710 SNFC exam, one of the six concentration exams that you can choose after 350-701 SCOR exam to achieve the CCNP Security certification. The 300-710 SNFC exam will be available on February 24, 2020.

Programma

Cisco Firepower Threat Defense Overview

- Examining Firewall and IPS Technology
- Firepower Threat Defense Features and Components
- Examining Firepower Platforms
- Examining Firepower Threat Defense Licensing
- Cisco Firepower Implementation Use Cases

ITCore Group

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Cisco Firepower NGFW Device Configuration
• Firepower Threat Defense Device Registration
• FXOS and Firepower Device Manager
• Initial Device Setup
• Managing NGFW Devices
• Examining Firepower Management Center Policies
• Examining Objects
• Examining System Configuration and Health Monitoring
• Device Management
• Examining Firepower High Availability
• Configuring High Availability
• Cisco ASA to Firepower Migration
• Migrating from Cisco ASA to Firepower Threat Defense
Cisco Firepower NGFW Traffic Control
• Firepower Threat Defense Packet Processing
• Implementing QoS
• Bypassing Traffic
Cisco Firepower NGFW Address Translation
• NAT Basics
• Implementing NAT
• NAT Rule Examples
• Implementing NAT
Cisco Firepower Discovery
• Examining Network Discovery
• Configuring Network Discovery
Implementing Access Control Policies
• Examining Access Control Policies
• Examining Access Control Policy Rules and Default Action
• Implementing Further Inspection
• Examining Connection Events
• Access Control Policy Advanced Settings
• Access Control Policy Considerations
• Implementing an Access Control Policy
Security Intelligence
• Examining Security Intelligence
• Examining Security Intelligence Objects
• Security Intelligence Deployment and Logging

• Implementing Security Intelligence

File Control and Advanced Malware Protection

• Examining Malware and File Policy

• Examining Advanced Malware Protection

Next-Generation Intrusion Prevention Systems

• Examining Intrusion Prevention and Snort Rules

• Examining Variables and Variable Sets

• Examining Intrusion Policies

Site-to-Site VPN

• Examining IPsec

• Site-to-Site VPN Configuration

• Site-to-Site VPN Troubleshooting

• Implementing Site-to-Site VPN

Remote-Access VPN

• Examining Remote-Access VPN

• Examining Public-Key Cryptography and Certificates

• Examining Certificate Enrollment

• Remote-Access VPN Configuration

• Implementing Remote-Access VPN

SSL Decryption

• Examining SSL Decryption

• Configuring SSL Policies

• SSL Decryption Best Practices and Monitoring

Detailed Analysis Techniques

• Examining Event Analysis

• Examining Event Types

• Examining Contextual Data

• Examining Analysis Tools

• Threat Analysis

System Administration

• Managing Updates

• Examining User Account Management Features

• Configuring User Accounts

• System Administration

Cisco Firepower Troubleshooting

• Examining Common Misconfigurations

• Examining Troubleshooting Commands

- Firepower Troubleshooting

Lab outline

- Initial Device Setup
- Device Management
- Configuring High Availability
- Migrating from Cisco ASA to Cisco Firepower Threat Defense
- Implementing QoS
- Implementing NAT
- Configuring Network Discovery
- Implementing an Access Control Policy
- Implementing Security Intelligence
- Implementing Site-to-Site VPN
- Implementing Remote Access VPN
- Threat Analysis
- System Administration
- Firepower Troubleshooting

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