

Securing Networks with Cisco Firepower Next-Generation IPS (SSFIPS) v4.0

What you'll learn in this course

The **Securing Networks with Cisco Firepower Next-Generation IPS (SSFIPS) v4.0** course shows you how to deploy and use Cisco Firepower® Next-Generation Intrusion Prevention System (NGIPS). This hands-on course gives you the knowledge and skills to use the platform features and includes firewall security concepts, platform architecture and key features; in-depth event analysis including detection of network-based malware and file type, NGIPS tuning and configuration including application control, security intelligence, firewall, and network-based malware and file controls; Snort® rules language; file and malware inspection, security intelligence, and network analysis policy configuration designed to detect traffic patterns; configuration and deployment of correlation policies to take action based on events detected; troubleshooting; system and user administration tasks, and more.

This course helps you prepare to take the exam, **Securing Networks with Cisco Firepower (300-710 SNCF)**, which leads to **CCNP Security and Cisco Certified Specialist – Network Security Firepower** certifications. The **300-710 SNCF** exam has a second preparation course as well, **Securing Networks with Cisco Firepower Next Generation Firewall (SSNGFW)**. You can take these courses in any order. This course also earns you 32 Continuing Education (CE) credits towards recertification.

Course duration

- Instructor-led classroom: 5 days in the classroom with hands-on lab practice
- Instructor-led virtual classroom: 5 days of web-based classes with hands-on lab practice
- E-learning: Equivalent of 5 days of instruction with videos, practice, and challenges

How you'll benefit

This course will help you:

- Implement Cisco Firepower Next-Generation IPS to stop threats, address attacks, increase vulnerability prevention against suspicious files, and analyze for not-yet-identified threats
- Gain leading-edge skills focused on security
- Earn 32 CE credits for recertification

What to expect in the exam

The **300-SNCF** exam certifies your knowledge of Cisco Firepower® Threat Defense and Firepower®, including policy configurations, integrations, deployments, management, and troubleshooting.

After you pass 300-710 SNCF:

- You earn the **Cisco Certified Specialist - Network Security Firepower** certification.
- You will have satisfied the concentration exam requirement for new **CCNP Security** certification. To complete **CCNP Security**, you also need to pass the **Implementing and Operating Cisco Security Core Technologies (350-701 SCOR)** exam or its equivalent.

Who should enroll

This course is designed for technical professionals who need to know how to deploy and manage a Cisco Firepower NGIPS in their network environment.

- Security administrators
- Security consultants
- Network administrators
- System engineers
- Technical support personnel
- Channel partners and resellers

How to enroll

E-learning

- To buy a single e-learning license, visit the [Cisco Learning Network Store](#).
- For more than one license, or a learning library subscription, contact us at learning-bdm@cisco.com.

Instructor-led training

- Find a class at the [Cisco Learning Locator](#).
- Arrange training at your location through [Cisco Private Group Training](#).

Technology areas

- Security

Course details

Objectives

After taking this course, you should be able to:

- Describe the components of Cisco Firepower Threat Defense and the managed device registration process
- Detail Next-Generation Firewalls (NGFW) traffic control and configure the Cisco Firepower system for network discovery
- Implement access control policies and describe access control policy advanced features
- Configure security intelligences features and the Advanced Malware Protection (AMP) for Networks implementation procedure for file control and advanced malware protection
- Implement and manage intrusion and network analysis policies for NGIPS inspection
- Describe and demonstrate the detailed analysis techniques and reporting features provided by the Cisco Firepower Management Center
- Integrate the Cisco Firepower Management Center with an external logging destination
- Describe and demonstrate the external alerting options available to Cisco Firepower Management Center and configure a correlation policy
- Describe key Cisco Firepower Management Center software update and user account management features
- Identify commonly misconfigured settings within the Cisco Firepower Management Center and use basic commands to troubleshoot a Cisco Firepower Threat Defense device

Prerequisites

To fully benefit from this course, you should have the following knowledge and skills:

- Technical understanding of TCP/IP networking and network architecture
- Basic familiarity with the concepts of Intrusion Detection Systems (IDS) and IPS

Outline

- Cisco Firepower Threat Defense Overview
- Cisco Firepower NGFW Device Configuration
- Cisco Firepower NGFW Traffic Control
- Cisco Firepower Discovery
- Implementing Access Control Policies
- Security Intelligence
- File Control and Advanced Malware Protection
- Next-Generation Intrusion Prevention Systems
- Network Analysis Policies
- Detailed Analysis Techniques
- Cisco Firepower Platform Integration
- Alerting and Correlation Policies
- Performing System Administration
- Firepower Troubleshooting

Lab Outline

- Perform Initial Device Setup
- Perform Device Management
- Configure Network Discovery
- Implement an Access Control Policy
- Implement Security Intelligence
- Implement Control and Advanced Malware Protection
- Implement NGIPS
- Customize a Network Analysis Policy
- Perform Analysis
- Configure Firepower Platform Integration with Splunk
- Configure Alerting and Event Correlation
- Perform System Administration
- Troubleshoot Firepower

Note: There are some terminology differences between the outlines in the instructor-led and e-learning versions of this course. Both courses cover the same lessons and labs.




Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

 Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: <https://www.cisco.com/go/trademarks>. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Course content is dynamic and subject to change without notice.