

Fundamentals of Cisco Firewall Threat Defense and Intrusion Prevention

Duration: 5 Days Course Code: SFWIPF Version: 1.0

Overview:

This Fundamentals of Cisco Firewall Threat Defense and Intrusion Prevention (SFWIPF) course shows you how to implement and configure Cisco Secure Firewall Threat Defense for deployment as a next generation firewall at the internet edge. You'll gain an understanding of Cisco Secure Firewall architecture and deployment, base configuration, packet processing and advanced options, and conducting Secure Firewall administration troubleshooting.

This training prepares you for the CCNP Security certification, which requires passing the 350-701 Implementing and Operating Cisco Security Core Technologies (SCOR) core exam and one concentration exam such as the 300-710 Securing Networks with Cisco Firepower (SNCF) concentration exam.

This course is worth 40 Continuing Education (CE) credits towards recertification.

Objectives:

- **After completing this course you should be able to:**
- Describe Cisco Secure Firewall Threat Defense
- Describe Cisco Secure Firewall Threat Defense Deployment Options
- Describe management options for Cisco Secure Firewall Threat Defense
- Configure basic initial settings on Cisco Secure Firewall Threat Defense
- Configure high availability on Cisco Secure Firewall Threat Defense
- Configure basic Network Address Translation on Cisco Secure Firewall Threat Defense
- Describe Cisco Secure Firewall Threat Defense policies and explain how different policies influence packet processing through the device
- Configure Discovery Policy on Cisco Secure Firewall Threat Defense
- Configure and explain prefilter and tunnel rules in prefilter policy
- Configure an access control policy on Cisco Secure Firewall Threat Defense
- Configure security intelligence on Cisco Secure Firewall Threat Defense
- Configure file policy on Cisco Secure Firewall Threat Defense
- Configure Intrusion Policy on Cisco Secure Firewall Threat Defense
- Perform basic threat analysis using Cisco Secure Firewall Management Center
- Perform basic management and system administration tasks on Cisco Secure Firewall Threat Defense
- Perform basic traffic flow troubleshooting on Cisco Secure Firewall Threat Defense
- Manage Cisco Secure Firewall Threat Defense with Cisco Secure Firewall Threat Defense Manager

Prerequisites:

Attendees should meet the following prerequisites:

- TCP/IP
- Basic routing protocols
- Firewall, VPN, and IPS concepts
- CCNA - Implementing and Administering Cisco Solutions
- SCOR - Implementing and Operating Cisco Security Core Technologies

Testing and Certification

Recommended as preparation for the following exam:

- 300-710 - Securing Networks with Cisco Firewall Exam
- Exam topics are current spread over two courses SSNGFW and SSFIPS, these are being replaced with SFWIPF and SFWIPA

Content:

Introducing Cisco Secure Firewall Threat Defense	Configuring Security Intelligence on Cisco Secure Firewall Threat Defense	Lab 3: Configure Network Address Translation
Describing Cisco Secure Firewall Threat Defense Deployment Options	Configuring File Policy on Cisco Secure Firewall Threat Defense	Lab 4: Configure Network Discovery
Describing Cisco Secure Firewall Threat Defense Management Options	Configuring Intrusion Policy on Cisco Secure Firewall Threat Defense	Lab 5: Configure Prefilter and Access Control Policy
Configuring Basic Network Settings on Cisco Secure Firewall Threat Defense	Performing Basic Threat Analysis on Cisco Secure Firewall Management Center	Lab 6: Configure Security Intelligence
Configuring High Availability on Cisco Secure Firewall Threat Defense	Managing Cisco Secure Firewall Threat Defense System	Lab 7: Implement File Control and Advanced Malware Protection
Configuring Auto NAT on Cisco Secure Firewall Threat Defense	Troubleshooting Basic Traffic Flow	Lab 8: Configure Cisco Secure IPS
Describing Packet Processing and Policies on Cisco Secure Firewall Threat Defense	Cisco Secure Firewall Threat Defense Device Manager	Lab 9: Detailed Analysis Using the Firewall Management Center
Configuring Discovery Policy on Cisco Secure Firewall Threat Defense	Labs:	Lab 10: Manage Cisco Secure Firewall Threat Defense System
Configuring Prefilter Policy on Cisco Secure Firewall Threat Defense	Lab 1: Perform Initial Device Setup	Lab 11: Secure Firewall Troubleshooting Fundamentals
Configuring Access Control Policy on Cisco Secure Firewall Threat Defense	Lab 2: Configure High Availability	Lab 12: Configure Managed Devices Using Cisco Secure Firewall Device Manager

Further Information:

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