



## **Cisco Firepower Course Overview**

Cisco Firepower offers advanced training program on the Cisco ASA 9.x characteristics including the set-up and installation of the Cisco SFR (Firepower Services) Module. This training will help troubleshoot deploy, manage, configure, Network Security and Administrators implement Cisco Firepower Threat Defense – Next Generation Firewall.

## **Requirements**

- Good understanding of TCP/IP
- Knowledge of routing protocols
- Operating experience with VPN, firewall and IPS concepts
- Basic information on computer and internet
- Basic knowledge of CCNA Security

## **Who can Attend**

Candidates who want to start their career in IT networking or who want to study in-depth of basic networking on security technology.

## **What you will learn**

- This course enables the candidate and provides the insights on installation, configuration and troubleshooting Cisco devices easily.
- After completing the course thoroughly along with other study material like Workbook and Lab candidate may expect to get profiles like Security Engineer, Security Specialist, IT Admin etc.

## **Online – Weekend Classes**

- **Study Material:-** Live lectures, Streaming Recording Videos, Online Lab Workbook and Remote Virtual Lab access.
- **Duration:-** 1 Month

## **About Instructor**

The instructor is having experience in training more than 5+ years of industrial hands-on experience. He is having expert level knowledge on Cisco routers and switches. He has delivered 150+ training on Cisco and other vendor products.

## **Course Content**

- Cisco Web Security Appliance (WSA)
  - Understanding the Features and Functionality
  - Understanding and Implementing Data Security
  - Overview and Implementing Cisco Web Security Appliance (WSA) Identity and Authentication, Including Transparent User Identification
  - Understanding and Implementing Web Usage Control
  - Understanding and Implementing AVC
  - Understanding and Implementing Anti Malware and AMP
  - Understanding and Implementing Decryption Policies
  - Overview and Implementing Traffic Redirection and Capture Methods (Explicit Proxy vs. Transparent Proxy)
  - Cisco Web Security Appliance (WSA)
  - Implement the WSA Policy Trace tool
  - Describe WSA Reporting Functionality
  - Troubleshoot using CLI Tools
  - Compare Cisco Fire POWER NGFW, WSA, and CWS
  - Compare Physical WSA and Virtual WSA
- Cisco Email Security Appliance
  - Understanding the Features and Functionality
  - Understanding and Implementing Email Encryption
  - Understanding and Implementing Anti Spam Policies
  - Understanding and Implementing Virus Outbreak Filter
  - Understanding and Implementing DLP Policies
  - Understanding and Implementing Anti Malware and AMP
  - Overview and Implementing Inbound and Outbound Mail Policies and Authenticati
  - Overview and Implementing Traffic Redirection and Capture Methods
  - Understanding and Implementing ESA GUI for Message Tracking
  - Implement the ESA Policy Trace Tool
  - Describe ESA Reporting Functionality
  - Troubleshoot Using CLI Tools
  - Compare Physical ESA and Virtual ESA
  - Describe Hybrid Mode

- Cisco Next-Generation Firewall (NGFW) Security Services
  - Understanding and Implementing Application Awareness
  - Overview and Implementing Access Control Policies (URL-Filtering, Reputation Based, File Filtering)
  - Implement and Verify Traffic Redirection
  - Understanding and Implementing Cisco AMP for Networks
  - Configure the Virtual Routed, Switched, and Hybrid Interfaces
  - label\_important Describe the Cisco Fire POWER Management Center Dashboards and Reports
  - Implement Health Policy
  - Configure email, SNMP, and Syslog Alerts
  - Configure the Virtual Routed, Switched, and Hybrid Interfaces
  - Configure the Physical Routed Interfaces
- Cisco Advanced Malware Protection (AMP)
  - Understanding Cloud Detection Technologies
  - Compare AMP Architectures (Public Cloud, Private Cloud)
  - Understanding and Implementing AMP Endpoint Deployments
  - Understanding Analysis Tools
  - Understanding Incident Response Functionality
  - Understanding Sandbox Analysis
  - Understanding AMP Integration
- Cisco Fire POWER Next-Generation IPS (NGIPS) Configurations
  - Understanding traffic Redirection and Capture Meth Deploy NGIPS as Appliance, Virtual Appliance, or Module within an ASA
  - Understanding the Need for Traffic Symmetry
  - Compare Inline Modes: Inline interface pair and Inline Tap Mode
  - Troubleshoot NGIPS Using CLI Tools

**Note:** \*\*\*Most of the course topics are covered with hands-on lab exercises and others are theoretical

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