

# CCNP Security

## Course Curriculum

### Cisco ASA Adaptive Security Appliance Essentials

- Evaluating Cisco ASA Adaptive Security Appliance Technologies
- Identifying Cisco ASA Adaptive Security Appliance Families
- Identifying Cisco ASA Adaptive Security Appliance Licensing Options

### Basic Connectivity and Device Management

- Preparing the Cisco ASA Adaptive Security Appliance for Network Integration
- Managing Basic Cisco ASA Adaptive Security Appliance Network Settings
- Configuring Cisco ASA Adaptive Security Appliance Device Management Features

### Network Integration

- Configuring Cisco ASA Adaptive Security Appliance NAT Features
- Configuring Cisco ASA Adaptive Security Appliance Basic Access Control Features
- Configuring Cisco ASA Adaptive Security Appliance Routing Features
- Configuring the Cisco ASA Adaptive Security Appliance Transparent Firewall

### Cisco ASA Adaptive Security Appliance Policy Control

- Defining the Cisco ASA Adaptive Security Appliance MPF
- Configuring Cisco ASA Adaptive Security Appliance Connection Policy and QoS Settings
- Configuring Cisco ASA Adaptive Security Appliance Advanced Application Inspections
- Configuring Cisco ASA Adaptive Security Appliance User-Based Policies

### Cisco ASA Adaptive Security Appliance High Availability and Virtualization

- Configuring Cisco ASA Adaptive Security Appliance Interface Redundancy Features
- Configuring Cisco ASA Adaptive Security Appliance Active/Standby High Availability
- Configuring Security Contexts on the Cisco ASA Adaptive Security Appliance
- Configuring Cisco ASA Adaptive Security Appliance Active/Active High Availability

### Cisco ASA Adaptive Security Appliance VPN Architecture and Common Components

- Evaluating the Cisco ASA Adaptive Security Appliance VPN Subsystem Architecture
- Evaluating the Cisco ASA Adaptive Security Appliance Software Architecture
- Implementing Profiles, Group Policies, and User Policies
- Implementing PKI Services

### Cisco ASA Adaptive Security Appliance Clientless Remote Access SSL VPN Solutions

- Deploying Basic Clientless VPN Solutions
- Deploying Advanced Application Access for Clientless SSL VPNs
- Customizing the Clientless SSL VPN User Interface and Portal

### Cisco Any Connect Remote Access SSL Solutions

- Deploying a Basic Cisco AnyConnect Full-Tunnel SSL VPN Solution
- Deploying an Advanced Cisco AnyConnect Full-Tunnel SSL VPN Solution

### Cisco ASA Adaptive Security Appliance Remote Access IPsec VPNs

- Deploying Cisco Remote Access VPN Clients
- Deploying Basic Cisco Remote Access IPsec VPN Solutions

### Cisco ASA Adaptive Security Appliance Site-to-Site IPsec VPN Solutions

- Deploying Basic Site-to-Site IPsec VPNs
- Deploying Advanced Site-to-Site IPsec VPNs

### Deploying Cisco IOS Software Site-to-Site Transmission Security

- Site-to-Site VPN Architectures and Technologies
- Deploying GRE over IPsec VPNs
- Deploying VTI-Based Site-to-Site IPsec VPNs
- Deploying Scalable Authentication in Site-to-Site IPsec VPNs
- Deploying DMVPNs

### Deploying Secure Remote Access with Cisco IOS Software

- Remote Access VPN Architectures and Technologies
- Deploying Remote Access Solutions Using SSL VPN
- Deploying Remote Access Solutions Using Cisco Easy VPN

### Introduction to Intrusion Prevention and Detection, Cisco IPS Software, and Supporting Devices

- Evaluating Intrusion Prevention and Intrusion Detection Systems
- Choosing Cisco IPS Software, Hardware, and Supporting Applications
- Evaluating Network IPS Traffic Analysis Methods, Evasion Possibilities, and Anti-Evasive Countermeasures
- Choosing a Network IPS and IDS Deployment Architecture

### Installing and Maintaining Cisco IPS Sensors

- Integrating the Cisco IPS Sensor into a Network
- Performing the Cisco IPS Sensor Initial Setup
- Managing Cisco IPS Devices

### Applying Cisco IPS Security Policies

- Configuring Basic Traffic Analysis
- Implementing Cisco IPS Signatures and Responses
- Configuring Cisco IPS Signature Engines and the Signature Database
- Deploying Anomaly-Based Operation

### Adapting Traffic Analysis and Response to the Environment

- Customizing Traffic Analysis
- Managing False Positives and False Negatives
- Improving Alarm and Response Quality

### Managing and Analyzing Events

- Installing and Integrating Cisco IPS Manager Express with Cisco IPS Sensors
- Managing and Investigating Events Using Cisco IPS Manager Express
- Using Cisco IME Reporting and Notifications