



# Implementing Core Cisco ASA Security v1.0 (SASAC)

Course ID#: 1575-948-ZZ-W

Hours: 35

## Course Content

### Course Description:

Cisco ASA Core v1.0 is a new 5-day ILT class that: -Covers the Cisco ASA 9.0 / 9.1 core firewall and VPN features -Offers hands-on labs Cisco ASA Core v1.0 is designed to teach network security engineers working on the Cisco ASA Adaptive Security Appliance to implement core Cisco ASA features, including the new ASA 9.0 and 9.1 features.

### Prerequisites:

- Knowledge of the Cisco ASA
- IINS 2.0 - Implementing Cisco IOS Network Security

### Topics:

#### Module 1:

##### Cisco ASA Essentials

- Firewall Technologies
- Cisco ASA Features
- Cisco ASA Hardware
- Cisco ASA Licensing Options
- Cisco ASA Licensing Requirements

#### Module 2:

##### Basic Connectivity and Device Management

- Managing the Cisco ASA Boot Process
- Managing the Cisco ASA Using the CLI
- Managing the Cisco ASA Using Cisco ASDM
- Navigating Basic Cisco ASDM Features
- Managing the Cisco ASA Basic Upgrade
- Managing Cisco ASA Security Levels
- Configuring and Verifying Basic Connectivity Parameters
- Configuring and Verifying Interface VLANs
- Configuring a Default Route
- Configuring and Verifying the Cisco ASA Security Appliance DHCP Server
- Troubleshooting Basic Connectivity

#### Module 3:

##### Network Integration

- NAT on Cisco ASA Security Appliances
- Configuring Object (Auto) NAT
- Configuring Manual NAT
- Tuning and Troubleshooting NAT on the Cisco ASA
- Connection Table and Local Host Table
- Configuring and Verifying Interface ACLs
- Configuring and Verifying Global ACLs
- Configuring and Verifying Object Groups
- Configuring and Verifying Public Servers
- Configuring and Verifying Other Basic Access Controls
- Troubleshooting ACLs
- Static Routing
- Dynamic Routing
- EIGRP Configuration and Verification
- Multicast Support



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## Module 4:

### Cisco ASA Policy Control

- Cisco MPF Overview
- Configuring and Verifying Layer 3 and Layer 4 Policies
- Configuring and Verifying a Policy for Management Traffic
- Layer 5 to Layer 7 Policy Control Overview
- Configuring and Verifying HTTP Inspection
- Configuring and Verifying FTP Inspection
- Supporting Other Layer 5 to Layer 7 Applications
- Troubleshooting Application Layer Inspection

## Module 5:

### Cisco ASA VPN Common Components

- VPN Definition
- Key Threats to WANs and Remote Access
- VPN Types
- VPN Components
- Cisco ASA VPN Policy Configuration
- Cisco ASA Connection Profiles
- Cisco ASA Group Policies
- Cisco ASA VPN AAA and External Policy Storage
- Cisco ASA User Attributes
- Access Control Methods
- VPN Accounting Using External Servers
- Dynamic Access Policy for SSL VPN
- Using PKI
- Provisioning Server-Side Certificates on the Cisco ASA Adaptive Security Appliance
- CA Servers
- Deploying Client-Based Certificate Authentication
- SCEP Proxy Operations