

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

## Course Overview

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This is a 5-day class

This course provides update training on the key features of the post-8.4.1 release of the Cisco ASA adaptive security appliance, including 9.x features.

## Who Should Attend

Network engineers supporting Cisco ASA 9.x implementations

## Course Outline

### 1 Cisco ASA Adaptive Security Appliance Essentials

Evaluating Cisco ASA Adaptive Security Appliance Technologies  
Identifying Cisco ASA Adaptive Security Appliance Models  
Identifying Cisco ASA Adaptive Security Appliance Licensing Options  
Lab 1-1: Accessing the Remote Lab Environment

### 2 Basic Connectivity and Device Management

Preparing the Cisco ASA Adaptive Security Appliance for Network Integration  
Managing Basic Cisco ASA Adaptive Security Appliance Network Settings  
Lab 2-1: Configuring the Cisco ASA Adaptive Security Appliance

### 3 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  
Lab 3-1: Configuring NAT  
Lab 3-2: Configuring Basic Cisco Access Control Features

### 4 Cisco ASA Adaptive Security Appliance Policy Controls

Defining the Cisco ASA Adaptive Security Appliance MPF  
Configuring Cisco ASA Adaptive Security Appliance Advanced Application Inspections  
Lab 4-1: Configuring MPF, Basic Stateful Inspections, and QoS  
Lab 4-2: Configuring MPF Advanced Application Inspections

### 5 Cisco ASA Adaptive Security Appliance VPN Common Components

VPN Overview  
Implementing Profiles, Group Policies, and User Policies  
Implementing PKI Services



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## 6 Cisco Clientless VPN Solution

Introducing Clientless SSL VPN  
Deploying Basic Cisco Clientless SSL VPN on the Cisco ASA Adaptive Security Appliance  
Deploying Application Access in Cisco Clientless SSL VPN  
Deploying Client-Side Authentication and Authorization in Clientless SSL VPN  
Lab 6-1: Implementing Basic Clientless SSL VPN on the Cisco ASA  
Lab 6-2: Configuring Application Access for Clientless SSL VPN on the Cisco ASA  
Lab 6-3: Implementing External Authentication and Authorization for Clientless SSL VPNs

## 7 Cisco AnyConnect Full Tunnel VPN Solutions

Deploying Basic Cisco AnyConnect SSL VPN on Cisco ASA  
Deploying Advanced Cisco AnyConnect SSL VPN on Cisco ASA  
Deploying Advanced Authentication and Authorization in Cisco AnyConnect VPNs  
Deploying Cisco AnyConnect IPsec/IKEv2 VPNs  
Lab 7-1: Implementing Basic Cisco AnyConnect SSL VPN on the Cisco ASA  
Lab 7-2: Configuring Advanced Authentication for Cisco AnyConnect SSL VPNs  
Lab 7-3: Implementing Cisco AnyConnect IPsec/IKEv2 VPNs

## 8 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  
Lab 8-1: Configuring Active/Standby High Availability