



Implementing Advanced Cisco ASA Security

DURATION: 5 DAYS

COURSE CODE: SASAA

FORMAT: LECTURE/LAB

COURSE DESCRIPTION

Implementing Advanced Cisco ASA Security (SASAA) v2.1 is an instructor-led course that provides an updated training with labs. The Labs focus on the key features of the Cisco ASA (covering up to the ASA 9.5.1 release).

The goal of the course is to be able to implement the key features of the Cisco ASA, including Cisco ASA Firepower Services (including Firepower v6.0), ASA Cloud Web Security, ASA Identity Firewall, ASA Clustering and the Virtual ASA (ASAv).

WHO SHOULD ATTEND

Network engineers supporting Cisco ASA 9.x implementations.

PREREQUISITES

The knowledge and skills that a learner must have before attending this course follow:

Implementing Core Cisco ASA Security (SASAC) v1.0 or equivalent knowledge of the Cisco ASA

LEARNING OBJECTIVES

Describe the Cisco ASA 5500-X Series Next Generation Firewalls, ASAv virtual security appliance, ASA 5506-X, 5508-X, 5516-X, and ASASM, and implement ASA 9.5.1 features

Implement Cisco ASA Identity Firewall policies

Install and set up the Cisco FirePOWER Services Module (SFR)

Implement Cisco ASA Cloud Web Security

Implement Cisco ASA Clustering

Describe Cisco ASA Security Group Firewall and Change of Authorization Support

COURSE OUTLINE

1. Cisco ASA Product Family

- Introducing the ASA 5500-X Next-Generation Firewalls
- Introducing the ASAv
- Implementing ASA 9.3 and 9.4.1 New Features
- Introducing the Cisco ASASM

2. Cisco ASA Identity Firewall

- Describing the ASA Identity Firewall Solution
- Setting Up the Cisco CDA
- Configuring the Cisco CDA
- Configuring the ASA Identity Firewall
- Verifying and Troubleshooting ASA Identity Firewall

3. Cisco ASA Firepower Services

- Installing Cisco ASA Firepower Services Module
- Managing Cisco ASA Firepower Services Module Using Cisco FireSIGHT Management Center
- Describing the Cisco ASA 5506-X, 5508-X, and 5516-X Firepower Services
- Configuring New Features in Cisco ASA Firepower Services 6.0

4. Cisco ASA CWS

- Introducing Cisco ASA Cisco Cloud Web Security
- Configuring ASA with CWS
- Verifying Cisco ASA Cloud Web Security Operations
- Describing the Web Filtering Policy in Cisco ScanCenter
- Describing ASA CWS AMP and CTA

5. Cisco ASA Clustering

- Describing Cisco ASA Cluster Features
- Describing Cisco ASA Cluster Terminology and Data Flows
- Using the CLI to Configure a Cisco ASA Cluster
- Using Cisco ASDM to Configure a Cisco ASA Cluster
- Verifying Cisco ASA Cluster Operations
- Troubleshooting Cisco ASA Cluster Operations
- Describing Cisco ASA Version 9.1.4 and Later Clustering Features

6. Cisco ASA Security Group Firewall and Change of Authorization (Optional)

- Introducing Cisco Security Group Tagging
- Configuring ASA Security Group Firewall
- Describing the ASA 9.2.1 and Later Releases SGT Features
- Describing the ASA 9.2.1 and Later Releases Change of Lesson

DISCOVERY LABS

- 1: Access the Remote Cisco Learning Lab Environment
- 2: Set Up and Test the ASAv
- 3: Implement New Features in ASA 9.3 and 9.4
- 4: Configure the Cisco CDA
- 5: Configure ASA IDFW
- 6: Cisco ASA Firepower Services Module Installation
- 7: Cisco Firepower Management Center Configuration
- 8: Configure ASA CWS
- 9: Cisco ASA Cluster Configuration