

IMPLEMENTING ADVANCED CISCO ASA SECURITY V2.0

DURATION: **5 DAYS**

COURSE OVERVIEW

This course provides up-to-date training on the key features of the Cisco ASA 5500-X Series next-Generation Firewall, including ASAv, ASA IDFW, ASA Fire POWER Service Module, ASA Cloud Web Security and ASA Clustering. Extensive hands on labs are provided to underline the concepts covered in the class. The ASA Fire Power Services Module coverage is still based on the Fire POWER 5.3.1 software version

TARGET AUDIENCE

This course has been specifically designed for Network engineers supporting Cisco ASA 9.x implementations.

COURSE OBJECTIVES

After attending this course you should be able to:

1. Explain the features of Cisco ASA 5500-X Series Next-Generation Firewalls, ASASM, and ASA 1000V Cloud Firewall, and Cisco ASAv
2. Install and set up the Cisco ASAv
3. Implement Cisco ASA Identity Firewall policies by using Cisco CDA and Cisco ASA
4. Install and set up the Cisco SFR Module (Fire POWER Services)
5. Implement Cisco ASA and Cisco Cloud Web Security
6. Implement a Cisco ASA cluster
7. Describe SGFW support in Cisco ASA Software Release 9.0
8. Describe CoA support

COURSE CONTENT

Cisco ASA Product Family

Introducing the Cisco ASA 5500-X Series NGFW

Introducing the Cisco ASAv
Implementing ASA 9.3 and 9.4.1 New Features
Introducing the Cisco ASASM

Cisco ASA Identity Firewall

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

Cisco ASA Fire POWER Services

Installing the Cisco ASA Fire POWER Services Module
Managing the Cisco ASA Fire POWER Services Module Using the Fire SIGHT Management Center
Describing the Cisco ASA 5506-X, 5508-X, and 5516-X Fire POWER Services

Cisco ASA Cloud Web Security

Introducing Cisco ASA with Cisco Cloud Web Security
Configuring Cisco ASA with Cisco Cloud Web Security
Verifying Cisco ASA Cloud Web Security Operations
Describing the Web Filtering Policy in Cisco Scan Center
Describing Cisco ASA Cloud Web Security AMP and CTA

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 the ASDM to Configure a Cisco ASA Cluster
Verifying Cisco ASA Cluster Operations
Troubleshooting Cisco ASA Cluster Operations
Describing Cisco ASA v9.1.4 and later Clustering Features

Cisco ASA Security Group Firewall

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

Describing the Cisco ASA 9.2.1 and Later Releases CoA Support

Labs:

Lab 1: Cisco Learning Lab Remote Access

Lab 2: Cisco ASAv Basic Setup

Lab 3: Cisco ASA 9.3 and 9.4.1 New Features

Lab 4: Cisco CDA Configuration

Lab 5: Cisco ASA Identity-Based Firewall Configuration

Lab 6: Cisco ASA Fire POWER Services Module Installation

Lab 7: Cisco Fire SIGHT Management Center Configuration

Lab 8: Cisco ASA Cloud Web Security Configuration

Lab 9: Cisco ASA Cluster Configuration

COURSE PREREQUISITES

Attendees should meet the following prerequisites:

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

TEST CERTIFICATION

Recommended preparation for exam(s):

There is currently no exam aligned to this course