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## Implementing Advanced Cisco ASA Security

**Duration: 5 Days**    **Course Code: SASAA**

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### 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 FirePOWER 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 FirePOWER Services Module coverage is still based on the FirePOWER 5.3.1 software version

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### Target Audience:

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

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### Objectives:

- **After attending this course you should be able to:**
  - Explain the features of Cisco ASA 5500-X Series Next-Generation Firewalls, ASASM, and ASA 1000V Cloud Firewall, and Cisco ASAv
  - Install and set up the Cisco ASAv
  - Implement Cisco ASA Identity Firewall policies by using Cisco CDA and Cisco ASA
  - Install and set up the Cisco SFR Module (FirePOWER Services)
  - Implement Cisco ASA and Cisco Cloud Web Security
  - Implement a Cisco ASA cluster
  - Describe SGFW support in Cisco ASA Software Release 9.0
  - Describe CoA support
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### Prerequisites:

**Attendees should meet the following prerequisites:**

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

### Testing and Certification

**Recommended preparation for exam(s):**

- There is currently no exam aligned to this course
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## Content:

### Cisco ASA Product Family

- Introducing the Cisco ASA 5500-X Series NGFW
- Introducing the Cisco ASA v
- 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 FirePOWER Services

- Installing the Cisco ASA FirePOWER Services Module
- Managing the Cisco ASA FirePOWER Services Module Using the FireSIGHT Management Center
- Describing the Cisco ASA 5506-X, 5508-X, and 5516-X FirePOWER 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 ScanCenter
- 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 ASA v 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 FirePOWER Services Module Installation
- Lab 7: Cisco FireSIGHT Management Center Configuration
- Lab 8: Cisco ASA Cloud Web Security Configuration
- Lab 9: Cisco ASA Cluster Configuration

## Further Information:

For More information, or to book your course, please call or email us on;  
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