Cisco ASA Firewall

This course is meant for those professionals who are looking for comprehensive and total knowledge in the network security domain. This is the only course which teaches both hacking and countermeasure techniques. And in keeping with Zoom's standards, this course is entirely hands on and real time oriented. And need we say, the instructors are network security and intrusion specialists with several years of experience.

ZOOM
TECHNOLOGIES

Deploying Cisco ASA Firewall solutions

Course Outline

Cisco Adaptive Security Appliance (Cisco ASA) Essentials

- Evaluating Cisco ASA Technologies
- Identifying Cisco ASA Families
- Identifying Cisco ASA Licensing Options

Basic Connectivity and Device Management

- Preparing the Cisco ASA for Network Integration
- Managing Basic Cisco ASA Network Settings
- Configuring Cisco ASA Device Management Features

Network Integration

- Configuring Cisco ASA NAT Features
- Configuring Cisco ASA Basic Access Control Features
- Configuring Cisco ASA Routing Features
- Configuring the Cisco ASA Transparent Firewall

Cisco ASA Policy Control

- Defining the Cisco ASA MPF
- Configuring Cisco ASA Connection Policy and QoS Settings
- Configuring Cisco ASA Advanced Application Inspections
- Configuring Cisco ASA User-Based Policies

Cisco ASA High Availability and Virtualization

- Configuring Cisco ASA Interface Redundancy Features
- Configuring Cisco ASA Active/Standby High Availability
- Configuring Security Contexts on the Cisco ASA
- Configuring Cisco ASA Active/Active High Availability

Cisco ASA VPN Architecture and Common Components

- Evaluating the Cisco ASA VPN Subsystem Architecture
- Evaluating the Cisco ASA Software Architecture
- Implementing Profiles, Group Policies, and User Policies
- Implementing PKI Services

Cisco ASA Clientless Remote Access SSL VPN Solutions

- Deploying Basic Clientless VPN Solutions
- Deploying Advanced Application Access for Clientless SSL VPNs

- Customizing the Clientless SSL VPN User Interface and Portal

Cisco Any Connect Remote Access SSL Solutions

- Deploying a Basic Cisco AnyConnect Full-Tunnel SSL VPN Solution
- Deploying an Advanced Cisco AnyConnect Full-Tunnel SSL VPN Solution

Cisco ASA Remote Access IPsec VPNs

- Deploying Cisco Remote Access VPN Clients
- Deploying Basic Cisco Remote Access IPsec VPN Solutions

Cisco ASA Site-to-Site IPsec VPN Solutions

- Deploying Basic Site-to-Site IPsec VPNs
- Deploying Advanced Site-to-Site IPsec VPNs

Deploying Cisco IOS Software Site-to-Site Transmission Security

- Site-to-Site VPN Architectures and Technologies
- Deploying GRE over IPsec VPNs
- Deploying VTI-Based Site-to-Site IPsec VPNs
- Deploying Scalable Authentication in Site-to-Site IPsec VPNs
- Deploying DMVPNs

Deploying Secure Remote Access with Cisco IOS Software

- Remote Access VPN Architectures and Technologies
- Deploying Remote Access Solutions Using SSL VPN
- Deploying Remote Access Solutions Using Cisco Easy VPN

Introduction to Intrusion Prevention and Detection, Cisco IPS Software, and Supporting Devices

- Evaluating Intrusion Prevention and Intrusion Detection Systems
- Choosing Cisco IPS Software, Hardware, and Supporting Applications
- Evaluating Network IPS Traffic Analysis Methods, Evasion Possibilities, and Anti-Evasive Countermeasures
- Choosing a Network IPS and IDS Deployment Architecture

Installing and Maintaining Cisco IPS Sensors

- Integrating the Cisco IPS Sensor into a Network
- Performing the Cisco IPS Sensor Initial Setup
- Managing Cisco IPS Devices

Applying Cisco IPS Security Policies

- Configuring Basic Traffic Analysis
- Implementing Cisco IPS Signatures and Responses
- Configuring Cisco IPS Signature Engines and the Signature Database
- Deploying Anomaly-Based Operation

Adapting Traffic Analysis and Response to the Environment

- Customizing Traffic Analysis
- Managing False Positives and False Negatives
- Improving Alarm and Response Quality

Managing and Analyzing Events

- Installing and Integrating Cisco IPS Manager Express with Cisco IPS Sensors
- Managing and Investigating Events Using Cisco IPS Manager Express
- Using Cisco IME Reporting and Notifications