Cisco FirePOWER - ASA with FirePOWER

Course Content

Course Description:

Cisco ASA and FirePower is an accelerated three day instructor-led course offered by NterOne, a Cisco Learning Partner. It is a lab-intensive course that introduces students to the powerful features of FirePOWER on the Cisco ASA.

You will learn how to:
- Install and Configure the FirePOWER (SFR) Services Modules and the FireSIGHT Management Center
- Perform System Updates and General Maintenance
- Design and Deploy Policies
- Monitor Activities Using the Dashboard and Context Explorer
- Work with the FirePOWER Network Directory
- Plan, Implement and Manage Intrusion Rules and Policies
- Work with FirePOWER Advanced Malware Protection (FireAMP)
- Work with Event Management and Incident Response with FireSIGHT

Prerequisites:
- Technical Understanding of TCP/IP Networking and Network Architecture
- Basic Familiarity with the Concepts of Intrusion Detection Systems (IDS) and IPS

Topics:

Module 1: Cisco ASA 5500-X series FirePOWER (SFR) Module Installation
- Understanding the FirePOWER (SFR) Services Module and the FireSIGHT Management Center.
- Installing the FirePOWER (SFR) Services Module and the FireSIGHT Management Center.
- Managing SFR Licenses and Basic Operations using FireSIGHT.
- Performing System Update and General Maintenance Tasks

Module 2: SFR Policy Design and Deployment
- Understanding the Function of Access Control, Intrusion, File, Health, and System Policies.
- Integrating the FireSIGHT Management Center with Microsoft Active Directory
- Implementing Basic Access Control Policies.
- Implementing Basic Intrusion policies.
- Implementing Basic File Policies.

Module 3: Monitoring policy using FireSIGHT Management Center
- Using Dashboard and Context Explorer

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Course ID#: 1575-957-ZZ-W

Hours: 21

Module 4: FirePOWER Network Discovery
- Understanding Discovery Data Collection
- Using NetFlow
- Indications of Compromise
- Creating a Network Discovery Policy

Module 5: FirePOWER Next Generation IPS Services
- Understanding the Base Policy
- Planning and Implementing an Intrusion Policy
- Managing Intrusion Rules and Policies
- Using Layers and Performance Settings in an Intrusion Policy
- Using Advanced Settings in Intrusion Policies

Module 6: FirePOWER Advanced Malware Protection (FireAMP)
- FireAMP Technologies
- Network-Based and End-Point-Based FireAMP
- Blocking Malware and Prohibited Files
- Working with File Storage
- Working with Dynamic Analysis
- Working with File Events
- Working with Malware Events
- Working with Captured files
- Working with Network File Trajectory

Module 7: Event Management and Incident Response with FireSIGHT
- Correlation Technologies
- FirePOWER Event Data
- Handling Incidents
- Using FireSIGHT as a Compliance Tool