



OVERVIEW

Course Level:

Intermediate

Format:

Instructor-Led

Course Code:

APS-TRAIN-DEPLOY

Target Audience:

Security administrators, network operations personnel, and staff responsible for setup and maintenance of an Arbor APS.

Duration:

8 course hours

Deploy and Manage Your Arbor APS

Course Description

This hands-on course focuses on the initial deployment, administration, and management of an Arbor APS DDoS mitigation solution. Participants will learn how to setup an Arbor APS and configure it to protect critical resources against volumetric, state-exhaustion, and application attacks. Learners will perform system administration and ongoing maintenance tasks related to a typical APS deployment.

Course Objectives

- Understand the Architectural and Deployment options for the Arbor APS
- Install and configure the Arbor APS for initial operation
- Upgrade system software to current release status
- Prepare the APS for Monitoring and Mitigation of DDoS threats

Course Syllabus

Module 1: Arbor APS Overview

- Identify the components of the Arbor Availability Protection System (APS)
- Describe the characteristics and features of the Arbor APS
- Explain Arbor APS deployment options
- Identify the function of ASERT and describe the role of ATLAS services

Module 2: Deploying and Configuring Arbor APS

- Deploy an Arbor APS to monitor network traffic
- Use the CLI quick installation script to perform the initial configuration of an APS appliance
- Complete the initial configuration of the Arbor APS appliance using the Web User Interface
- Perform an upgrade of an Arbor APS appliance to the latest version via the CLI
- View the Arbor APS Summary page and identify attack characteristics

Module 3: Arbor Virtual APS (vAPS) Deployments

- Understand the requirements and capabilities for deploying Virtual Arbor APS (vAPS)
- Understand the vAPS support for Amazon Web Services (AWS)

Module 4: Creating Protection Groups

- Create Protection Groups to safeguard critical network resources
- Modify Deployment Modes to provide active mitigation
- Obtain attack details in the Protection Group page
- Identify Blocked Hosts and how to Whitelist or Blacklist hosts

Module 5: Configuring Cloud Signaling

- Describe when to use Arbor APS cloud signaling capabilities
- Configure Arbor APS to connect to your providers cloud-based services
- Monitor the status of your cloud-based mitigation service

Module 6: APS Administrative Tasks

- User administration
- File management
- Alerts and notifications
- Backup and restore
- Advanced mitigation parameters
- Performance optimization

Module 7: Centralized management of APS using APS Console

- Use Centralized APS Management via an Arbor APS Console appliance
- Understand the system and licensing requirements for deploying APS Console in your network
- Install the APS Console
- Leverage the APS Console for configuration management, alerting and reporting services



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