



OVERVIEW

Course Level:

Intermediate

Format:

Instructor-Led

Course Code:

SP-TRAIN-ADMIN

Target Audience:

Network operations personnel, security administrators and staff responsible for the configuration and administration of the Arbor SP and TMS DDoS mitigation solution.

Duration:

8 course hours

Arbor SP/TMS DDoS Detection and Mitigation Administrator Course

Course Description

This course covers how the Arbor SP and TMS can be set up and configured to detect, analyze and mitigate various types of DDoS attacks.

Attendees will learn how to deploy, configure and perform ongoing administration in support of the mitigation of DDoS attacks. Configuration of managed objects, templates and filter lists that are used during various mitigation and countermeasure options and how they can be used to lessen the impact of attacks are also covered. During lab exercises, students will configure DDoS detection settings, create templates and configure various mitigation settings based on real-world experiences.

Course Objectives

- Install and configure an Arbor TMS appliance to mitigate attack traffic
- Configure SP utilities to assist with DDoS attack mitigation
- Configure SP settings to detect the presence of DDoS traffic and anomalous traffic

Course Syllabus

Module 1: General System Administration

- Identify the different TMS deployment modes and describe the benefits of each
- Add and configure TMS appliances for use in an Arbor SP deployment
- Create and configure TMS Group settings
- Configure the ATLAS® Intelligence Feed for TMS

Module 2: Managed Objects

- Define and configure Customer and Profiled managed objects boundary definitions and detection settings
- Configure managed object threshold alerting and thresholds

Module 3: Detection Settings

- Configure managed object Host Detection settings
- Configure managed object Profiled Router Detection settings
- Configure managed object Profiled Network Detection settings
- Configure Auto Rate Calculation settings
- Configure blackhole routing defaults
- Activate and configure Fingerprints

Module 4: Mitigation Settings

- Configure filter lists
- Configure mitigation templates
- Configure auto-mitigations
- Configure learning mitigations



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