



## OVERVIEW

### Course Level:

Basic

### Format:

Instructor-Led

### Course Code:

SP-TRAIN-USER

### Target Audience:

Network operations personnel, security administrators and staff responsible for the monitoring and/or mitigation of network anomalies and ensuring the peak performance of the SP and TMS solution.

### Duration:

24 course hours, 2.4 CEUs

# Arbor SP/TMS DDoS Detection and Mitigation User Course

## Course Description

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

Attendees will learn about the types of DDoS attacks and how Arbor SP and TMS diagnostic tools and reporting can be used to analyze and report on the details of an attack. Then, pulling from real-world experience, utilize various mitigation techniques to lessen the impact of these attacks. During the lab exercises will detect various anomaly types, use SP tools and reporting to analyze the traffic and then mitigate malicious traffic targeted against resources they have been assigned to protect.

## Course Objectives

- Explain the anomaly detection methods available in Arbor SP
- Explain common DDoS attack methods and mechanisms
- Perform attack mitigations using Arbor SP and TMS appliances

## Course Syllabus

### Module 1: Anomaly Detection and DDoS

- Identify the impact of DDoS attacks
- Describe the TMS features and deployment characteristics
- Describe how Arbor SP detects and classifies anomalies
- Analyze an anomaly to detect possible attacks

### Module 2: Anomaly Mitigation

- Launch and monitor a mitigation
- Use Filter Lists to mitigate an attack
- Identify deployment issues with a running mitigation

### Module 3: Using Countermeasures to Mitigate Attacks

- Identify common DDoS attack types and describe their behavior during an attack
- Explain the processing order used by the TMS
- Configure and use per-packet TMS countermeasures to mitigate an attack
- Configure and use event-driven TMS countermeasures to mitigate an attack



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