



OVERVIEW

Course Level:

Advanced

Format:

Instructor-Led

Course Code:

SP-TRAIN-TRAFFIC

Target Audience:

Network operations personnel, network engineers, BGP peering coordinators and anyone else needing myriad network reporting functions.

Duration:

16 course hours, 1.6 CEUs

Arbor SP Traffic Reporting and Analysis Course

Course Description

This course covers how Arbor SP can be used to analyze network traffic and BGP route information to optimize network performance and BGP peering.

Students will learn how to use the traffic analysis and visualization functions of Arbor SP. This part of the training focuses on understanding how to use SP to produce various reports that assist with performing network peering analysis, capacity planning, BGP policy management, IPv6 rollout and customer accounting. SP Insight is introduced for creating more advanced high-fidelity, multi-faceted traffic analysis.

Course Objectives

- Explain how Arbor Network SP collects, stores and displays network and routing data
- Use Arbor SP reporting tools to assist with common tasks for network operators and engineers
- Create multi-faceted reports using SP Insight and correctly interpret and explain the resulting Sankey diagrams

Course Syllabus

Module 1: Traffic Data Overview

- Explain Arbor SP's network traffic reporting capabilities
- Explain the elements of flow and BGP information that SP collects and uses
- Describe how SP stores and ages traffic data
- Explain the concept and impact of network boundaries versus local boundaries
- Identify the different use cases for traffic reporting

Module 2: Network Reporting

- Explain how SP displays various network reports, including the use of stacked graphs
- Run various network reports, including traffic breakdown by IPv4, IPv6 and IP location
- Explain the Subscriber feature of SP
- Use multi-match reporting via the Explore Traffic tool
- Use BGP routing reports

Module 3: Managed Object Reporting

- Explain the differences between the managed object boundary types
- Determine which resources to monitor in a network
- Use managed object traffic reports

Module 4: Peering Analysis and BGP Monitoring

- Describe the process of BGP route selection
- Explain the difference between traffic reporting and transit reporting
- Run reports suitable for the tasks of a peering coordinator

Module 5: Capacity Planning

- Run reports to assist with network capacity planning
- Use the Report Wizard to build ad-hoc recurring reports



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