

# Advanced Firewall Troubleshooting

## COURSE OUTLINE:

### DAY 1

- Module 0 – Overview
- Module 1 – Online Tools
- Module 2 – Troubleshooting with GUI
- Module 3 – Troubleshooting with CLI
- Module 4 – Troubleshooting with Logs
- Module 5 – Troubleshooting with PCAPs
- Module 6 – Troubleshooting with Debug
- Module 7 – Extended Content

### DAY 2: BREAK AND FIX LABS

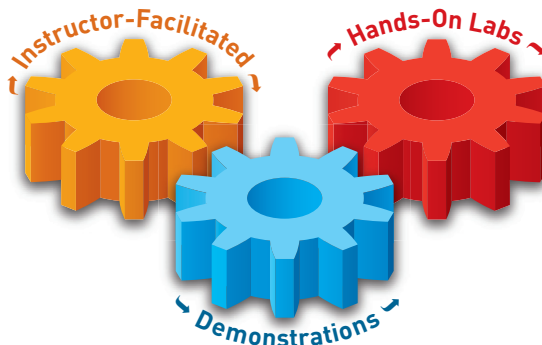
- Scenario 1 – Basic Connectivity
- Scenario 2 – OSPF
- Scenario 3 – VPN
- Scenario 4 – NAT

### DAY 3: BREAK AND FIX LABS

- Scenario 1 – SSL Decryption
- Scenario 2 – User-ID
- Scenario 3 – GlobalProtect
- Scenario 4 – High Availability

## ORDERING INFORMATION:

PART NUMBER: PAN-EDU-311



## OVERVIEW

Advanced Firewall Troubleshooting is the next-level follow-on course to Palo Alto Networks™ Essentials 1: Installation, Configuration, and Management (EDU-201) and Essentials 2: Extended Firewall Manager (EDU-205).

Advanced Firewall Troubleshooting expands on the Essentials 1 and 2 course topics with hands-on troubleshooting labs.

## COURSE OBJECTIVES

Successful completion of this three-day, instructor-facilitated course will enhance the student's understanding of how to troubleshoot the full line of Palo Alto Networks Next Generation firewalls.

Students will receive hands-on experience troubleshooting the security, networking, threat prevention, logging, and reporting features of the Palo Alto Networks Operation System (PAN-OS).

Upon completion of this class, students will have an in-depth knowledge of how to troubleshoot visibility and control over applications, users, and content.

## SCOPE

- Course level: Advanced
- Course duration: 3 Days
- Course format: Combines lecture (20%), instructor-facilitated, and hands-on labs in a workshop format.
- Platform support: PA-200 through PA-5000 series

## TARGET AUDIENCE

- Security Engineers, Network Engineers, and Support staff

## PREREQUISITES:

- Completion of Essentials 1: Firewall Installation, Configuration, and Management and Essentials 2: Extended Firewall Management or equivalent experience.
- Students must have a basic familiarity with networking concepts including routing, switching, IP addressing, and basic port-based security concepts and the PAN-OS CLI.