LEVEL THREE
PROTECTION SERVER

This course teaches you advanced settings, recommended configuration, and troubleshooting for PPS solutions. You’ll get in-depth knowledge of mail processing, PPS logs, TLS, firewall rules and troubleshooting, envelope splitting, and email authentication. This course is presented using an on-premises environment.

**COURSE OUTLINE**

**Module 1: Mail Processing and Filter**
Examine how the filter interacts with incoming messages, interfaces with other processes, and ultimately accepts, rejects or discards messages.

**Module 2: Network Configuration**
Explore network interface settings on master and agent servers and make modifications as you attach a mail filter agent to a master configuration server.

**Module 3: PPS Logs and archive log messages**

**Module 4: System Settings**
Configure system settings, such as creating an SMTP profile for digest messages, implementing group-based routing and look-back hops.

**Module 5: TLS**
Configure TLS Fallback and implement TLS Encryption.

**Module 6: Remote Syslog**
Configure remote syslog in on-prem PPS deployment.

**Module 7: Email Firewall Rules**
Build Email Firewall rules to run against conditions from the connection stage through the end of the message, within recommended configurations. Describe potential issues with some configurations.

**Module 8: Parsing PPS Logs**
Use examples from real messages in the filter log to explain both how to read the log files and how the filter process works.

**Module 9: Email Firewall Troubleshooting**
Reinforce understanding of how the filter processes messages and how following best practices helps performance.

**Module 10: Spam Detection**
Review Spam module recommended configurations and walk through how safelists, blocklists and custom spam rules are executed.

**Module 11: Envelope Splitting**
Gain hands-on experience with SMTP message flow by sending messages in which envelope splitting occurs.
Module 12: TAP
Describe TAP UD and TAP AD recommended configurations and the results of integrating with Palo Alto WildFire.

Module 13: Email Authentication
Explore how PPS processes email authentication using SPF, DKIM and DMARC.

Module 14: User Import
Explore issues that occur with user imports and user databases after the initial installation.

Module 15: Health Check
Describe and discuss the various recommendations related to the configuration of a PPS Email Protection implementation.

Module 16: Sizing
Discuss the parameters needed when using the PPS sizing tool and the kind of output that can be expected.