Forcepoint Email Security Administrator eLearning

EMADMEL

In this online e-learning training course, you will learn how to install, configure, administer, and support the Forcepoint Email Security appliance. Through instructional content, demonstrations, and hands-on lab practice exercises, you will learn the requirements and recommendations to successfully deploy Forcepoint Email Security in a variety of network environments. You will develop skills in creating email policies, reducing the amount of spam messages, configure email encryption, incident management, reporting, and system architecture and maintenance.

Audience
- System administrators, network security administrators, IT staff
- Sales Engineers, consultants, implementation specialists
- Forcepoint Channel Partners

Course Objectives
- Describe the key capabilities of Forcepoint Email Security
- Understand the required and add-on components
- Understand multiple deployment scenarios
- Perform initial setup configurations
- Configure connection level controls and message properties
- Create policies to fulfill various organization needs
- Understand the difference between various block/permit lists
- Configure email DLP policies, rules, and actions
- Configure and customize PEM portal
- Trigger email and transport layer encryption methods
- Schedule, run, and interpret reports and configure message logs
- Illustrate how to perform appliance system upgrades and disaster recovery procedures

Prerequisites for Attendance
- General understanding of system administration and Internet services.
- Basic knowledge of networking and computer security concepts.
- A computer that meets the requirements noted at the end of this document.

Certification Exam
This course prepares you to take and pass the Certified Forcepoint E-mail Administrator Exam. The exam can be purchased separately at a rate of $100. If you would like to take the certification exam following completion of the eLearning course, please contact learn@forcepoint.com for purchase details.
Course Outline

MODULE 1: FORCEPOINT EMAIL SECURITY COURSE OVERVIEW
- Welcome to the course
- Understand and prepare to use the virtual training environment

MODULE 2: FORCEPOINT EMAIL SECURITY FEATURES AND NEW FEATURES
- Communicate the Email Security key features
- Articulate Email Security key benefits and differentiators from other email security products
- Describe the Email Security Hardware Platform and Virtualization options
- Identify the appropriate installation method and sizing requirements to follow
- Describe the components of the Email Security and its supported platforms
- Administer the Appliance management tools

MODULE 3: UNDERSTANDING THE PRODUCT DEPLOYMENT
- Describe a high-level overview of email delivery with the security appliance
- Plan for appliance and email server network integration
- Configure physical and/or virtual appliance settings and plan for network host name and routing
- Review and Configure Appliance Internal Daemons
- Identify and Configure Communication Points With External Services
- Review Planned Hardware Resources and User Loads

MODULE 4: GETTING STARTED WITH FORCEPOINT EMAIL SECURITY
- Describe the Fundamental Email Security Concepts and System Usage Models
- Setup the Email Security System and Review First Boot procedures
- Customize the Forcepoint Manager Console and Integrate the Email Module
- Complete Initial V-Series Appliance Configuration and Install Manager Console

MODULE 5: SETTING UP EMAIL SECURITY USERS
- Configure User Directories and Customized User Groups
- Describe Domain Group Integration with Active Directory server
- Define User Directories for Authentication within Domain
- Define A User Directory Filter For Specific Users and Groups

MODULE 6: DEFINING EMAIL ROUTING
- Describe Email Routing Usage
- Define User Directories for Routing and Authentication
- Configure Email Routing on Exchange Server
- Direct Outbound Emails To Email Security via Smart Host
- Verify Outbound Email delivery to Remote Recipients
MODULE 7: MANAGING TRAFFIC - ANTISPAM RELATED CONFIGURATIONS

- Explain the Pre-Filtering Concept and Bulk Email Elimination Tools
- Describe the Message Processing Flow for an SMTP system
- Create a Global IP Block List and edit the Trusted Host List
- Configure usage model for Real-Time Black List and Reputation Service checks
- Integrate Reverse DNS Lookup and Sender Policy Framework checks
- Verify Recipient Validation and Implement Directory Harvest Attack Prevention
- Determine whether SMTP Authentication is a suitable resource for your organization

MODULE 8: MANAGING TRAFFIC – ADVANCED CONFIGURATIONS

- Identify supported SMTP Port usage for appliance and hybrid modes
- Configure IP Address Group for Trusted and Allowed systems
- Enable SMTP VRFY command on the test system
- Explain how the System Administrator manages the Message Quarantine
- Describe the differences in permissions between Trusted IP and Allow Access List
- Enable and Monitor the Appliance Quarantine system
- Enable the Archive queue and move it to a remote SAMBA share

MODULE 9: CONFIGURING EMAIL SECURITY POLICIES

- Understand how Email Policy Flow, Types, and Conditions affect message flow
- Describe the Policies combine Rules, Filters and Actions in the Email Security appliance
- Configure default Action Types and Options
- Configure the Integration and Merging of Message Action Options
- Integrate Data Loss Protection (DLP) Tools with Email Security appliance
- Configure the Global IP and Global Address Permit Lists
- Verify policy behavior with test message generation tool
- Configure Email Security Antivirus and Antispam policy and verify detection
- Configure Email Data Loss Protection (DLP) action and policy rules
- Confirm Email DLP functionality with test message capture and log reviews

MODULE 10: PERSONAL EMAIL MANAGER (PEM)

- Understand Personal Email Manager (PEM) architecture and use cases
- Configure the PEM portal and complete PEM configurations
- Describe Admin vs end user PEM and Quarantine activities
- Customize PEM Notification message and schedule
- Differentiate between Personal and Global address block/permit lists
- Perform Advanced PEM Configuration for key user accounts
- Manage Multiple Mailboxes within PEM portal
MODULE 11: ADVANCED CONFIGURATIONS
- Configure the Email Sandbox Module and test its performance on test messages
- Analyze how Secure Message Delivery and Transport Layer Security increase message security
- Identify Traffic Shaping parameters and customize URL Sandbox solutions
- Configure Secure Message Delivery for Email and DLP modules
- Verify Secure Message Delivery via Secure Portal message pickup
- Describe the Secure Message Delivery End User Experience for an external recipient

MODULE 12: EMAIL SECURITY MAINTENANCE AND REPORTING
- Describe the overall requirements for Log Database Rollover and Maintenance
- Identify how Dashboard tools, Health Alerts, and Logs indicate appliance performance
- Activate and customize the Email Security Real-Time Monitor
- Manage the Presentation Reports and the Reporting Engine tools
- Explore Log Server Architecture and Database Partition Rollover and Deployment

MODULE 13: COURSE REVIEW OF ALL MODULES
- Brief review of all course modules
- Discussion of remaining questions, and overall Question / Answer session
- Homework and Next Steps discussions for new or upgrade customers
To attend this e-learning course, you must have a computer with:
• A high-speed internet connection (minimum of 1MB connection required)
• An up to date web browser (Google Chrome recommended)
• Adobe Flash web browser plug in (v13 or higher)
• PDF Viewer
• Speakers and microphone or headset (headset recommended)

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