



# Forcepoint Email Security Administrator VILT Course

Datasheet

August 2019

# Forcepoint Email Security Administrator

## EMADM

In this virtual instructor-led training course, you will learn how to setup, configure, and administer the Forcepoint Email Security solution. 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
- ▶ Identify the required and add-on components
- ▶ Describe multiple deployment scenarios
- ▶ Perform initial setup configurations
- ▶ Configure connection level controls and message properties
- ▶ Create policies to fulfil various organization needs
- ▶ Differentiate 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 Exams

This course prepares you to take and pass the Certified Forcepoint Email Security Administrator Exam. The exam is included in the price of the course but the execution of the exam is not accomplished during the course. A minimum score of 80% on the multiple choice online exam is required to obtain certification.

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#### *Format:*

Virtual Instructor Led Course\*

#### *Duration:*

12 hours total - 3 sessions, 4 hours per daily session

#### *Language:*

English

#### *Course Price:*

\$1,150 USD non-discountable

#### *Exam Price:*

Included

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## Course Outline

### MODULE 1: FORCEPOINT EMAIL SECURITY COURSE OVERVIEW

- Welcome to the course
- Identify and prepare to use the virtual training environment

### MODULE 2: FORCEPOINT EMAIL SECURITY FEATURES AND NEW FEATURES

- Describe the Email Security key features
- Articulate Email Security key benefits and differentiators from other email security products
- Examine 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 SmartHost
- 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



**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**

- Illustrate 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)**

- Characterize 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



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*\*To attend attend this web based 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)*

*A separate tablet or eBook reader is also recommended for the course and lab book delivery. Test your connection to an Adobe Connect virtual class environment [here](#).*

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## Terms and conditions

- ▶ Virtual Instructor Led Trainings (VILT's) are delivered as live instructor led training - No onsite delivery element
- ▶ VILT's are limited and may not address all of your unique requirements
- ▶ The training services in this course are provided pursuant to the Subscription Agreement
- ▶ Forcepoint provides the training "AS IS" and makes no warranties of any kind, express or implied
- ▶ VILT's courses must be completed within 6 months from purchase or the course is forfeited
- ▶ Assent to the Subscription Agreement constitutes acceptance of the above terms and conditions
- ▶ Forcepoint trainings are standard and non-negotiable

For more information about this course or other Forcepoint training offerings, please visit:

<https://www.forcepoint.com/services/training-and-technical-certification>

or contact Forcepoint Technical Learning Services at [learn@forcepoint.com](mailto:learn@forcepoint.com)

