



CISCO TRAINING

# Securing Email with Cisco Email Security Appliance

*Deploy and manage Cisco Email Security Appliance (ESA) to secure email communications.  
Protect your organization from advanced email threats.*

DURATION

**2 hours**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

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- Globally Recognized Certification
  - Expert-Led Hands-On Training
  - Flexible Scheduling

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## COURSE OVERVIEW

This intermediate-level course, "Securing Email with Cisco Email Security Appliance," is meticulously designed to equip IT professionals with the essential skills to deploy, configure, and manage Cisco's robust Email Security Appliance (ESA) solutions. Email remains a primary vector for cyberattacks, making advanced email security an indispensable component of any organization's defense strategy. Throughout this 2-hour intensive program, participants will gain hands-on experience with the ESA's key features, including advanced threat protection, spam and malware filtering, data loss prevention (DLP), and email encryption. You will learn to mitigate sophisticated email-borne threats like phishing, spoofing, and ransomware, ensuring the integrity and confidentiality of your organizational communications.

By mastering the Cisco ESA, you will be able to establish comprehensive email security policies, monitor email traffic for anomalies, and respond effectively to security incidents. The course emphasizes practical application, enabling you to secure your organization's email infrastructure against evolving cyber threats and comply with stringent data protection regulations. Upon completion, you will possess a critical skill set highly valued by employers seeking to fortify their cybersecurity posture, directly contributing to reduced security breaches and enhanced operational resilience.

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|-----------------|--------------|
| <b>Duration</b> | 2 hours      |
| <b>Level</b>    | Intermediate |
| <b>Vendor</b>   | Cisco        |

## COURSE CURRICULUM

### 01 Module 1: Introduction to Cisco Email Security Appliance (ESA)

- Overview of Email Security Challenges
- Cisco ESA Architecture and Components
- Deployment Models and Initial Setup
- Basic GUI Navigation and CLI Access

### 02 Module 2: Mail Flow and Policy Configuration

- Understanding Mail Flow Management
- SenderGroup and HostAccess Table Configuration
- Listeners and Routing Table Setup
- Mail Policies and Message Filters

### 03 Module 3: Advanced Threat Defense and Anti-Spam

- Cisco Anti-Spam and Anti-Virus Engines
- Domain-based Message Authentication, Reporting & Conformance (DMARC), Sender Policy Framework (SPF), and DomainKeys Identified Mail (DKIM)
- Advanced Malware Protection (AMP) for Email
- Threat Intelligence Integration

### 04 Module 4: Data Loss Prevention (DLP) and Encryption

- Configuring DLP Policies for Sensitive Data
- Content Filters and Outbreak Filters
- Email Encryption Methods (TLS, IronPort Encryption)
- Managing Quarantines and End-User Self-Service

### Module 5: Administration, Reporting, and Troubleshooting

- 05**
- ESA System Administration and Maintenance
  - Logging and Reporting Features
  - Message Tracking and Troubleshooting Tools
  - Firmware Upgrades and Backup/Restore Operations

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Email Security Administrator**
- > **Network Security Engineer specializing in Messaging**
- > **Cybersecurity Operations Center (SOC) Analyst for Incident Response (Email Threats)**

## FREQUENTLY ASKED QUESTIONS

**Q: What are the prerequisites for taking the "Securing Email with Cisco Email Security Appliance" course?**

This course is designed for intermediate-level IT professionals. It is highly recommended that participants have a foundational understanding of networking concepts (TCP/IP), basic email protocols (SMTP), and general cybersecurity principles. Familiarity with Cisco networking devices or security concepts is beneficial but not strictly required, as key ESA functionalities will be introduced.

**Q: Will this course prepare me for any specific Cisco certification related to email security?**

While this course is not directly aligned with a specific Cisco certification exam, the knowledge and practical skills gained in deploying and managing Cisco ESA are crucial for roles requiring expertise in email security. It provides a strong foundation that can complement broader security certifications like CCNA Security or CCNP Security by focusing specifically on a critical threat vector and a widely used Cisco security product.

**Q: How will mastering Cisco ESA benefit my organization in terms of preventing advanced email threats like phishing and ransomware?**

Mastering Cisco ESA will empower you to implement multi-layered defenses against sophisticated email threats. You will learn to configure advanced features such as URL rewriting, file reputation services, and anti-malware engines to detect and block malicious content before it reaches end-users. This proactive approach significantly reduces the risk of phishing attacks, ransomware infections, and business email compromise (BEC) incidents, thereby protecting sensitive data and maintaining operational continuity for your organization.

## ABOUT COMPUTER PRIDE



*East Africa's Premier IT Training Center*

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading

technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

**15+**

Years of Excellence

**10,000+**

Professionals Trained

**50+**

Vendor Certifications

## READY TO ENROL?

Take the next step in your technology career.

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