

# Securing Email with Cisco Email Security Appliance v3.2

The **Securing Email with Cisco Email Security Appliance (SESA)** training shows you how to deploy and use Cisco® Email Security Appliance to establish protection for your email systems against phishing, business email compromise, and ransomware, and to help streamline email security policy management. This hands-on training provides you with the knowledge and skills to implement, troubleshoot, and administer Cisco Email Security Appliance, including key capabilities, such as advanced malware protection, spam blocking, anti-virus protection, outbreak filtering, encryption, quarantines, and data loss prevention.

This training prepares you for the 300-720 SESA v1.1 exam. If passed, you earn the Cisco Certified Specialist – Email Content Security certification and satisfy the concentration exam requirement for the CCNP Security certification. This training also earns you 24 Continuing Education (CE) credits towards recertification.



## Training recipients

The training is aimed at:

- Security Engineers
- Security Administrators
- Security Architects
- Operations Engineers
- Network Engineers
- Network Administrators
- Network or Security Technicians

- Network Managers
- System Designers
- Cisco Integrators and Partners



## Benefits

This class will help you:

- Deploy high-availability email protection against the dynamic, rapidly changing threats affecting your organization
- Gain leading-edge career skills focused on enterprise security
- Earn 24 Cisco CE credits toward recertification



## Training program

### Course Outline

- Describing the Cisco Email Security Appliance
- Controlling Sender and Recipient Domains
- Controlling Spam with Talos SenderBase and Anti-Spam
- Using Anti-Virus and Outbreak Filters
- Using Mail Polices
- Using Content Filters
- Using Message Filters
- Preventing Data Loss
- Using LDAP
- Describing SMTP Session Authentication
- Using Email Authentication
- Using Email Encryption
- Administering the Cisco Email Security Appliance
- Using System Quarantines and Delivery Methods
- Centralizing Management Using Clusters
- Testing and Troubleshooting

### Lab Outline

- Verify and Test Cisco ESA Configuration
- Advanced Malware in Attachments (Macro Detection)
- Protect Against Malicious or Undesirable URLs Beneath Shortened URLs
- Protect Against Malicious or Undesirable URLs Inside Attachments

- Intelligently Handle Unscannable Messages
- Leverage AMP Cloud Intelligence Via Pre-Classification Enhancement
- Integrate Cisco ESA with AMP Console
- Prevent Threats with Anti-Virus Protection
- Applying Outbreak Filters
- Configure Attachment Scanning
- Configure Outbound Data Loss Prevention
- Integrate Cisco ESA with LDAP and Enable the LDAP Accept Query
- Domain Keys Identified Mail (DKIM)
- Sender Policy Framework (SPF)
- Forged Email Detection
- Perform Basic Administration
- Configure the Cisco Secure Email and Web Manager for Tracking and Reporting



## Expected preparation of the participant

The basic technical competencies you are expected to have before attending this training are:

- Cisco certification, such as Cisco Certified Support Technician (CCST) Cybersecurity certification or higher
- Relevant industry certification, such as (ISC)2, CompTIA Security+, EC-Council, Global Information Assurance Certification (GIAC), and ISACA
- Cisco Networking Academy letter of completion (CCNA® 1 and CCNA 2)
- Windows expertise, such as Microsoft [Microsoft Specialist, Microsoft Certified Solutions Associate (MCSA), Microsoft Certified Systems Engineer (MCSE)], and CompTIA (A+, Network+, Server+)

The knowledge and skills you are expected to have before attending this training are:

- Transmission control protocol/internet protocol (TCP/IP) services, including domain name system (DNS), secure shell (SSH), file transfer protocol (FTP), simple network management protocol (SNMP), hypertext transfer protocol (HTTP), and hypertext transfer protocol secure (HTTPS)
- Experience with IP routing



## Training Includes

- 4 days with instructor training
- Trainer's supervision
- Contact with community
- Coursebook
- Lab environment

## Training method

- lecture
- workshops



## Language

- Training: English
- Materials: English

## Duration

4 days / 28 hours

## Examination description

The training prepares you for the **300-720 SESA**, exam, which can be taken for an additional fee at the PearsonVUE center. You can also take the exam on-line.

Details are available at: <https://home.pearsonvue.com/cisco/onvue>