Securing Email with Cisco Email Security Appliance (SESA)

Description

The **Securing Email with Cisco Email Security Appliance (SESA)** training shows you how to deploy and use Cisco® Secure Email Gateway (formally 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 Secure Email Gateway, 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 Securing Email with Cisco Secure Email Gateway (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 Cisco Certified Network Professional (CCNP) Security certification. This training also earns you 24 Continuing Education (CE) credits toward recertification.

How you'll benefit

This training 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
- Prepare for the 300-720 SESA v1.1 exam
- Earn 24 CE credits toward recertification

Who should enroll

- Security Engineers
- Security Administrators
- Security Architects
- Operations Engineers
- Network Engineers
- Network Administrators

- Network or Security Technicians
- Network Managers
- System Designers
- Cisco Integrators and Partners

Technology areas

- Security

Objectives

- Describe and administer the Cisco Secure Email Gateway
- Control sender and recipient domains
- Control spam with Talos SenderBase and anti-spam
- Use anti-virus and outbreak filters
- Use mail policies
- Use content filters
- Use message filters
- Prevent data loss
- Perform lightweight directory access protocol (LDAP) queries
- Authenticate simple mail transfer protocol (SMTP) sessions
- Authenticate email
- Encrypt email
- Use system quarantines and delivery methods
- Perform centralized management using clusters
- Test and troubleshoot

Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended 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+)
- 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

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

What to expect on the exam

Securing Email with Cisco Secure Email Gateway (300-720 SESA) v1.1 is a 90-minute exam associated with the Cisco Certified Specialist – Email Content Security certification and satisfies the concentration exam requirement for the CCNP Security certification.

The exam tests your knowledge of Cisco Secure Email Gateway, including:

- Administration
- Spam control and antispam
- Message filters
- Data loss prevention
- LDAP
- Email authentication and encryption

- System quarantines and delivery methods

Links

- [Cisco U. Learning Path](#)
- [Cisco Learning Network Store](#)
- [Cisco Learning Locator](#)