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# Securing Email with Cisco Email Security Appliance

DURATION: 3 DAYS

COURSE CODE: SESA

FORMAT: LECTURE/LAB

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## COURSE DESCRIPTION

The Securing Email with Cisco Email Security Appliance (SESA) v3.0 course 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 course 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 course helps you prepare to take the exam, Securing Email with Cisco Email Security Appliance (300-720 SESA), which leads to CCNP® Security and the Certified Specialist - Email Content Security certifications.

The 300-720 SESA exam certifies your knowledge of Cisco Email Security Appliance, including administration, spam control and anti-spam, message filters, data loss prevention, Lightweight Directory Access Protocol (LDAP), email authentication and encryption, and system quarantines and delivery methods.

After you pass 300-720 SESA:

- You earn the Cisco Certified Specialist - Email Content Security
- You will have satisfied the concentration exam requirement for the new CCNP Security certification. To complete your CCNP Security certification, pass the Implementing and Operating Cisco Security Core Technologies (300-701 SCOR) exam or its equivalent.

## PREREQUISITES

Cisco certification (Cisco CCENT® 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: Microsoft [Microsoft Specialist, Microsoft Certified Solutions Associate (MCSA), Microsoft Certified Systems Engineer (MCSE)], CompTIA (A+, Network+, Server+)

The knowledge and skills that a student must have before attending this course are:

- TCP/IP services, including Domain Name Servers (DNS), Secure Shell (SSH), FTP, Simple Network Management Protocol (SNMP), HTTP, and HTTPS
- Experience with IP routing

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## WHO SHOULD ATTEND

Security engineers

Security administrators

Security architects

Operations engineers

Network engineers

Network administrators

Network or security technicians

Network managers

System designers

Cisco integrators and partners

## LEARNING OBJECTIVES

Describe and administer the Cisco Email Security Appliance (ESA)

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 to enforce email policies

Prevent data loss

Perform 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

## COURSE OUTLINE

1. Describing the Cisco Email Security Appliance
2. Administering the Cisco Email Security Appliance
3. Controlling Sender and Recipient Domains
4. Controlling Spam with Talos SenderBase and Anti-Spam
5. Using Anti-Virus and Outbreak Filters
6. Using Mail Policies
7. Using Content Filters
8. Using Message Filters to Enforce Email Policies
9. Preventing Data Loss
10. Using LDAP
11. SMTP Session Authentication
12. Email Authentication
13. Email Encryption
14. Using System Quarantines and Delivery Methods
15. Centralized Management Using Clusters
16. Testing and Troubleshooting
17. References