Securing Email with Cisco Email Security Appliance (SESA)

Duration: **3 days**

Who should attend?

1. Security engineers
2. Security administrators
3. Security architects
4. Operations engineers
5. Network engineers
6. Network administrators
7. Network or security technicians
8. Network managers
9. System designers
10. Cisco integrators and partners

Certifications

This course is part of the following Certifications:

1. **Cisco Certified Network Professional Security** (CCNP)

Prerequisites

To fully benefit from this course, you should have one or more of the following basic technical competencies:

1. Cisco certification (Cisco CCENT® certification or higher)
2. Relevant industry certification, such as (ISC)2, CompTIA Security+, EC-Council, Global Information Assurance Certification (GIAC), and ISACA
3. Cisco Networking Academy letter of completion (CCNA® 1 and CCNA 2)
4. 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:

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

Course Objectives

1. Describe and administer the Cisco Email Security Appliance (ESA)
2. Control sender and recipient domains
3. Control spam with Talos SenderBase and anti-spam

4. **Use anti-virus and outbreak filters**
5. **Use mail policies**
6. **Use content filters**
7. **Use message filters to enforce email policies**
8. **Prevent data loss**
9. **Perform LDAP queries**
10. **Authenticate Simple Mail Transfer Protocol (SMTP) sessions**
11. **Authenticate email**
12. **Encrypt email**
13. **Use system quarantines and delivery methods**
14. **Perform centralized management using clusters**
15. **Test and troubleshoot**

Course Benefits
This class will help you:

1. **Deploy high-availability email protection against the dynamic, rapidly changing threats affecting your organization**
2. **Gain leading-edge career skills focused on enterprise security**

Course Content

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.

What to Expect in the Exam
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. The exam will be available beginning February 24, 2020.