



## Kursdetails

 Garantierte Durchführung

 Geplante Durchführung

 Auf Anfrage


 Ausgebucht, Warteliste möglich

## Securing Email with Cisco Email Security Appliance SESA 3.0

### Überblick

In diesem Kurs erfahren Sie, wie Sie die Cisco Email-Security-Appliance bereitstellen und verwenden, um Schutz für Ihre E-Mail-Systeme gegen Phishing, Ransomware und anderes zu gewährleisten und die Verwaltung von E-Mail-Sicherheitsrichtlinien zu optimieren. Dieser praxisorientierte Kurs vermittelt Ihnen das Wissen und die Fähigkeiten zur Implementierung, Fehlerbehebung und Verwaltung der Cisco Email Security Appliance, einschliesslich der wichtigsten Funktionen wie erweiterter Malware-Schutz, Spam-Blockierung, Virenschutz, Ausbruchsfilterung, Verschlüsselung, Quarantäne und Schutz vor Datenverlust.

Dieser Kurs hilft Ihnen bei der Vorbereitung auf die Prüfung Securing Email with Cisco Email Security Appliance (300-720 SESA). Dies führt zu CCNP® Security und dem Certified Specialist - Email Content Security-Zertifizierungen.

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Kursort	Zürich
Kosten	CHF 3180.00
Sprache	Deutsch
Dokumentation	3.0 Offizielle Cisco Toolkits in Englisch.

### Voraussetzungen

Sie verfügen bereits über die folgenden Fertigkeiten und das Wissen zu:

- TCP/IP Services, einschliesslich Domain Name System (DNS), Secure Shell (SSH), FTP, Simple Network Management Protocol (SNMP), HTTP, und HTTPS
- Erfahrung mit IP Routing.

### Lernziel

- Sie stellen High-Availability-E-Mail-Schutz gegen dynamische, sich schnell ändernde Bedrohungen bereit.

### Zielgruppe

- Security Engineers
- Security-Administratoren
- Security-Architekten
- Operations Engineers
- Network Engineers
- Network-Administratoren
- Network- oder Security-Techniker
- Network Manager
- System Designer
- Cisco Integratoren und Partner.

### Kursinhalt

Describing the Cisco Email Security Appliance

### Kontakt

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Auf Anfrage



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- Cisco Email Security Appliance Overview
- Technology Use Case
- Cisco Email Security Appliance Data Sheet
- SMTP Overview
- Email Pipeline Overview
- Installation Scenarios
- Initial Cisco Email Security Appliance Configuration
- Centralizing Services on a Cisco Content Security Management Appliance (SMA)
- Release Notes for AsyncOS 11.x
- Administering the Cisco Email Security Appliance
  
- Distributing Administrative Tasks
- System Administration
- Managing and Monitoring Using the Command Line Interface (CLI)
- Other Tasks in the GUI
- Advanced Network Configuration
- Using Email Security Monitor
- Tracking Messages
- Logging
- Controlling Sender and Recipient Domains
  
- Public and Private Listeners
- Configuring the Gateway to Receive Email
- Host Access Table Overview
- Recipient Access Table Overview
- Configuring Routing and Delivery Features
- Controlling Spam with Talos SenderBase and Anti-Spam
  
- SenderBase Overview
- Anti-Spam
- Managing Graymail
- Protecting Against Malicious or Undesirable URLs
- File Reputation Filtering and File Analysis
- Bounce Verification
- Using Anti-Virus and Outbreak Filters
  
- Anti-Virus Scanning Overview
- Sophos Anti-Virus Filtering
- McAfee Anti-Virus Filtering
- Configuring the Appliance to Scan for Viruses
- Outbreak Filters
- How the Outbreak Filters Feature Works
- Managing Outbreak Filters
- Using Mail Policies
  
- Email Security Manager Overview
- Mail Policies Overview
- Handling Incoming and Outgoing Messages Differently


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- Matching Users to a Mail Policy
- Message Splintering
- Configuring Mail Policies
- Using Content Filters
- Content Filters Overview
- Content Filter Conditions
- Content Filter Actions
- Filter Messages Based on Content
- Text Resources Overview
- Using and Testing the Content Dictionaries Filter Rules
- Understanding Text Resources
- Text Resource Management
- Using Text Resources
- Using Message Filters to Enforce Email Policies
- Message Filters Overview
- Components of a Message Filter
- Message Filter Processing
- Message Filter Rules
- Message Filter Actions
- Attachment Scanning
- Examples of Attachment Scanning Message Filters
- Using the CLI to Manage Message Filters
- Message Filter Examples
- Configuring Scan Behavior
- Preventing Data Loss
- Overview of the Data Loss Prevention (DLP) Scanning Process
- Setting Up Data Loss Prevention
- Policies for Data Loss Prevention
- Message Actions
- Updating the DLP Engine and Content Matching Classifiers
- Using LDAP
- Overview of LDAP
- Working with LDAP
- Using LDAP Queries
- Authenticating End-Users of the Spam Quarantine
- Configuring External LDAP Authentication for Users
- Testing Servers and Queries
- Using LDAP for Directory Harvest Attack Prevention
- Spam Quarantine Alias Consolidation Queries
- Validating Recipients Using an SMTP Server
- SMTP Session Authentication
- Configuring AsyncOS for SMTP Authentication
- Authenticating SMTP Sessions Using Client Certificates

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- Checking the Validity of a Client Certificate
- Authenticating User Using LDAP Directory
- Authenticating SMTP Connection Over Transport Layer Security (TLS) Using a Client Certificate
- Establishing a TLS Connection from the Appliance
- Updating a List of Revoked Certificates
- Email Authentication
- Email Authentication Overview
- Configuring DomainKeys and DomainKeys Identified Mail(DKIM) Signing
- Verifying Incoming Messages Using DKIM
- Overview of Sender Policy Framework(SPF) and SIDF Verification
- Domain-based Message Authentication Reporting and Conformance (DMARC) Verification
- Forged Email Detection
- Email Encryption
- Overview of Cisco Email Encryption
- Encrypting Messages
- Determining Which Messages to Encrypt
- Inserting Encryption Headers into Messages
- Encrypting Communication with Other Message Transfer Agents (MTAs)
- Working with Certificates
- Managing Lists of Certificate Authorities
- Enabling TLS on a Listener's Host Access Table (HAT)
- Enabling TLS and Certificate Verification on Delivery
- Secure/Multipurpose Internet Mail Extensions (S/MIME) Security Services
- Using System Quarantines and Delivery Methods
- Describing Quarantines
- Spam Quarantine
- Setting Up the Centralized Spam Quarantine
- Using Safelists and Blocklists to Control Email Delivery Based on Sender
- Configuring Spam Management Features for End Users
- Managing Messages in the Spam Quarantine
- Policy, Virus, and Outbreak Quarantines
- Managing Policy, Virus, and Outbreak Quarantines
- Working with Messages in Policy, Virus, or Outbreak Quarantines
- Delivery Methods
- Centralized Management Using Clusters
- Overview of Centralized Management Using Clusters
- Cluster Organization
- Creating and Joining a Cluster
- Managing Clusters
- Cluster Communication
- Loading a Configuration in Clustered Appliances
- Best Practices


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- Testing and Troubleshooting
- Debugging Mail Flow Using Test Messages: Trace
- Using the Listener to Test the Appliance
- Troubleshooting the Network
- Troubleshooting the Listener
- Troubleshooting Email Delivery
- Troubleshooting Performance
- Web Interface Appearance and Rendering Issues
- Responding to Alerts
- Troubleshooting Hardware Issues
- Working with Technical Support
- References
- Model Specifications for Large Enterprises
- Model Specifications for Midsize Enterprises and Small-to-Midsize Enterprises or Branch Offices
- Cisco Email Security Appliance Model Specifications for Virtual Appliances
- Packages and Licenses.

### Laborübungen

- Verify and Test Cisco ESA Configuration
- Perform Basic Administration
- 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 Content and Outbreak Filters
- Configure Attachment Scanning
- Configure Outbound Data Loss Prevention
- Integrate Cisco ESA with LDAP and Enable the LDAP Accept Query
- DomainKeys Identified Mail (DKIM)
- Sender Policy Framework (SPF)
- Forged Email Detection
- Configure the Cisco SMA for Tracking and Reporting.

### Zertifizierung


Securing Email with Cisco Email Security Appliance v1.0 (SESA 300-720) ist eine 90-minütige Prüfung im Zusammenhang mit den Zertifizierungen CCNP Security und Cisco Certified Specialist - Email Content Security. Diese Prüfung testet die Kenntnisse eines Kandidaten über Cisco Email Security Appliance, einschliesslich Administration, Spam-Kontrolle und Antispam, Nachrichtenfilter, Verhinderung von Datenverlust, LDAP, E-Mail-Authentifizierung und -Verschlüsselung sowie System-Quarantänen und


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Zustellungsmethoden. Der Kurs "Securing Email with Cisco Email Security Appliance" hilft Kandidaten, sich auf diese Prüfung vorzubereiten.

Das Exam ist ab dem 24. Februar 2020 verfügbar.