

Kursdetails

 Garantierte Durchführung  Geplante Durchführung  Auf Anfrage  Ausgebucht, Warteliste möglich

Securing Email with Cisco Email Security Appliance SESA

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.

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

Kontakt

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Dauer	4 Tage 04.03.2025
Kursstart/Status	04.03.2025  08:30-12:00 / 13:00-16:30
Kursort	Frankfurt oder online
Kosten	CHF 3895.00 Lunch und Pausenverpflegungen inklusive. CLC einlösen: 36 für Kurs, plus CLC für MWST, plus CHF 2'215.00
Sprache	Deutsch
Dokumentation	Es wird immer die aktuellste Version geschult. Offizielle Cisco Toolkits in Englisch.

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Garantierte Durchführung



Geplante Durchführung



Auf Anfrage



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- Describing the Cisco Email Security Appliance
 - 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
 - Matching Users to a Mail Policy
 - Message Splintering
 - Configuring Mail Policies

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Garantierte Durchführung



Geplante Durchführung



Auf Anfrage



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- 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
 - 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

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- 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
- 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

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Garantierte Durchführung



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- 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 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.

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