SCOR

Implementing and Operating Cisco Security Core Technologies

Description:

<p>This authorized five-day course is aimed on implementation and operate cisco security technologies including network security, cloud security, content security, endpoint protection and detection, secure network access, visibility and enforcements.</p>

Students will be able to:

Describe information security concepts and strategies within the network
Describe common TCP/IP, network application, and endpoint attacks
Describe how various network security technologies work together to guard against attacks
Implement access control on Cisco ASA appliance and Cisco Firepower Next-Generation Firewall
Describe and implement basic email content security features and functions provided by Cisco Email Security Appliance
Describe and implement web content security features and functions provided by Cisco Web Security Appliance
Describe Cisco Umbrella security capabilities, deployment models, policy management, and Investigate console
Introduce VPNs and describe cryptography solutions and algorithms
Describe Cisco secure site-to-site connectivity solutions and explain how to deploy Cisco IOS VTI-based point-to-point IPsec VPNs, and point-to-point IPsec VPN on the Cisco ASA and Cisco FirePower NGFW
Describe and deploy Cisco secure remote access connectivity solutions and describe how to configure 802.1x and EAP authentication
Provide basic understanding of endpoint security and describe AMP for Endpoints architecture and basic features
Examine various defenses on Cisco devices that protect the control and management plane
Configure and verify Cisco IOS Software Layer 2 and Layer 3 Data Plane Controls
Describe Cisco Stealthwatch Enterprise and Stealthwatch Cloud solutions
Describe basics of cloud computing and common cloud attacks and how to secure cloud environment

Course requirements:

Participation in CCNA, or CCNA certification, or adequate knowledge
Familiarity with Ethernet and TCP/IP networking
Knowledge of Cisco IOS networking and basic networking security concepts

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This course is intended for:

Network administrators
Security/network/system engineer
Technical Solutions Architect/Network Designer
Applicants for 350-701 SCOR certification, which is the part of CCNP Security (Cisco Certified Network Professional Security), CCIE Security and Cisco Certified Specialist - Security Core.

Literature:

<p>All participants will get original Cisco student and lab guides.</p>
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Hardware:

<p>Labs are practised on Cisco delivered Virtual lab environment. Classrooms are equipped with high-performance computers with Internet access and the possibility of wireless connection.</p>

Syllabus:

Describing Network Security Technologies
Deploying Cisco ASA Firewall
Deploying Cisco Firepower Next-Generation Firewall
Deploying Email Content Security
Deploying Web Content Security
Explaining VPN Technologies and Cryptography Concepts
Introducing Cisco Secure Site-to-Site VPN Solutions
Deploying Cisco IOS VTI-Based Point-to-Point IPsec VPNs
Deploying Point-to-Point IPsec VPNs on the Cisco ASA and Cisco Firepower NGFW
Introducing Cisco Secure Remote Access VPN Solutions
Deploying Remote Access SSL VPNs on the Cisco ASA and Cisco Firepower NGFW
Describing Information Security Concepts *
Describing Common TCP/IP Attacks *
Describing Common Network Application Attacks *
Describing Common Endpoint Attacks *
Deploying Cisco Umbrella *
Explaining Cisco Secure Network Access Solutions *
Describing 802.1x Authentication *
Configuring 802.1x Authentication *
Describing Endpoint Security Technologies *
Deploying Cisco AMP for Endpoints *
Introducing Network Infrastructure Protection *
Deploying Control Plane Security Controls *
Deploying Layer 2 Data Plane Security Controls *
Deploying Layer 3 Data Plane Security Controls *
Deploying Management Plane Security Controls *

Deploying Traffic Telemetry Methods *
Deploying Cisco Stealthwatch Enterprise *
Describing Cloud and Common Cloud Attacks *
Securing the Cloud *
Deploying Cisco Stealthwatch Cloud *
Describing SDN *

<p>* Points in italics are defined as self-study according to the Cisco's company official curriculum.</p>