SCOR

Implementing and Operating Cisco Security Core Technologies

Description:

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.

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

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:

All participants will get original Cisco student and lab guides.

Hardware:

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.

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* *

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

Contact us
OKsystem a.s., Na Pankráci 1690/125, 140 00 Prague 4
(+420) 236 072 111 skoleni@oksystem.cz www.okskoleni.cz