Implementing and Operating Cisco Security Core Technologies (SCOR)

ID SCOR **Price** CHF 4,150.—(excl. VAT) **Duration** 5 days

Who should attend

- Security Engineers
- Network Engineers
- Network Designers
- Network Administrators
- Systems Engineers
- Consulting Systems Engineers
- Technical Solutions Architects
- Cisco Integrators and Partners
- Network Managers
- Program Managers
- Project Managers

This course is part of the following Certifications

Cisco Certified Network Professional Security (CCNP SECURITY)

Prerequisites

There are no formal prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Familiarity with Ethernet and TCP/IP networking
- Working knowledge of the Windows operating system
- Working knowledge of Cisco IOS networking and concepts
- Familiarity with basics of networking security concept

s These skills can be found in the following Cisco Learning Offering:

- Implementing and Administering Cisco Solutions (CCNA)

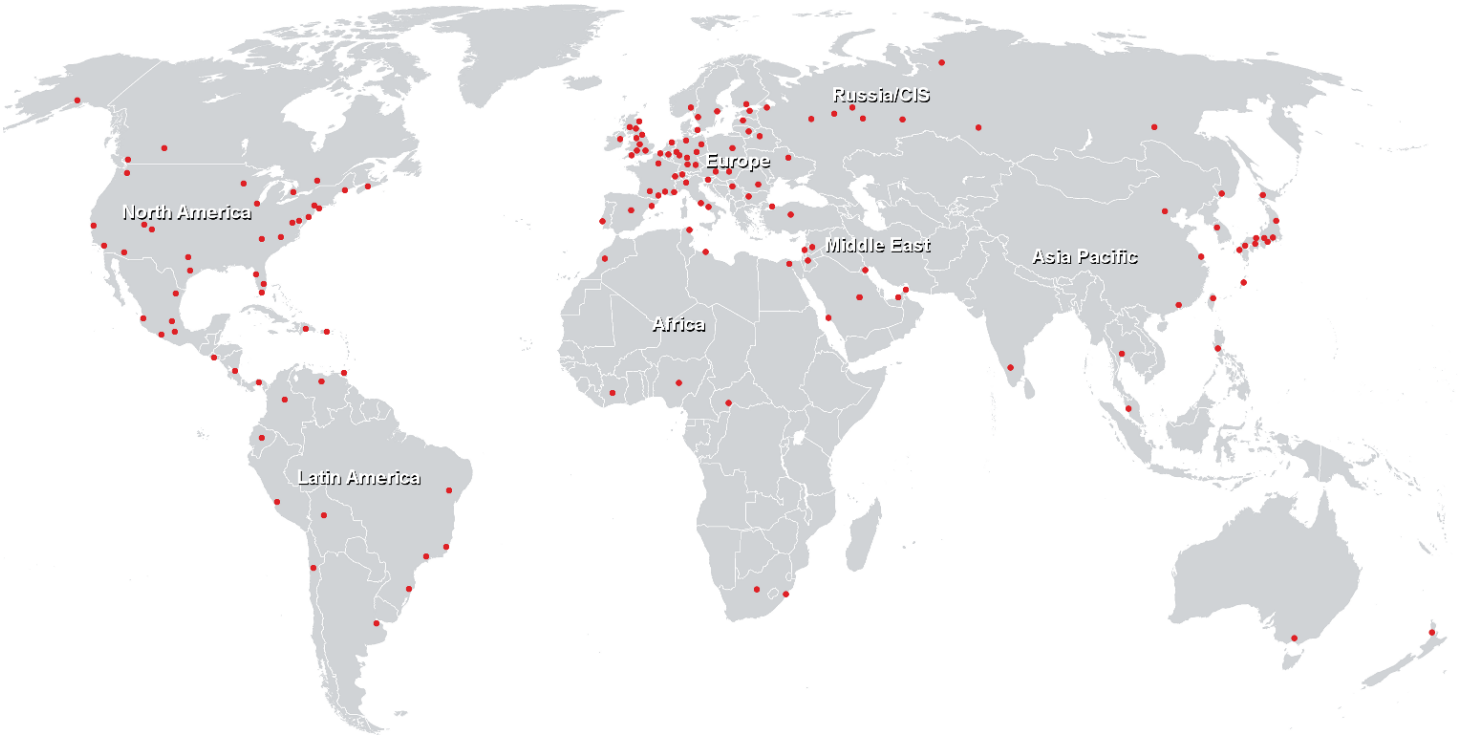
Course Objectives

After taking this course, you should be able to:

- Describe information security concepts and strategies within the network
- Describe security flaws in the transmission protocol/internet protocol (TCP/IP) and how they can be used to attack networks and hosts
- Describe network application-based attacks
- Describe how various network security technologies work together to guard against attacks
- Implement access control on Cisco Secure Firewall Adaptive Security Appliance (ASA)
- Deploy Cisco Secure Firewall Threat Defense basic configurations
- Deploy Cisco Secure Firewall Threat Defense IPS, malware, and fire policies
- Deploy Cisco Secure Email Gateway basic configurations
- Deploy Cisco Secure Email Gateway policy configurations
- Describe and implement basic web content security features and functions provided by Cisco Secure Web Appliance
- Describe various attack techniques against the endpoints
- Describe Cisco Umbrella® security capabilities, deployment models, policy management, and Investigate console
- Provide basic understanding of endpoint security and be familiar with common endpoint security technologies
- Describe Cisco Secure Endpoint architecture and basic features
- Describe Cisco Secure Network Access solutions
- Describe 802.1X and extensible authentication protocol (EAP) authentication
- Configure devices for 802.1X operations
- Introduce VPNs and describe cryptography solutions and algorithms
- Describe Cisco secure site-to-site connectivity solutions
- Deploy Cisco Internetwork Operating System (Cisco IOS®) Virtual Tunnel Interface (VTI)-based point-to-point IPsec VPNs
- Configure point-to-point IPsec VPNs on the Cisco Secure Firewall ASA and Cisco Secure Firewall Threat Defense
- Describe Cisco secure remote access connectivity solutions
- Deploy Cisco secure remote access connectivity solutions
- Provide an overview of network infrastructure protection controls
- Examine various defenses on Cisco devices that protect the control plane
- Configure and verify Cisco IOS software layer 2 data plane controls
- Configure and verify Cisco IOS software and Cisco ASA

layer 3 data plane controls
- Examine various defenses on Cisco devices that protect the management plane
- Describe the baseline forms of telemetry recommended for network infrastructure and security devices
- Describe deploying Cisco Secure Network Analytics
- Describe basics of cloud computing and common cloud attacks
- Describe how to secure cloud environment
- Describe the deployment of Cisco Secure Cloud Analytics
- Describe basics of software-defined networks and network programmability

Training Centres worldwide



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