

# 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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