SCANDINAVIAN ACADEMY
For Training and Development

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Course: (CCNP) Security

Code	City	hotel	Start	End	price	Hours
823	Berlin (Germany)	Hotel Meeting Room	2024-10-07	2024-10-11	5450 €	25

Introduction

CCNP Security Training, a comprehensive program aimed at enhancing the skills and knowledge of network security professionals. This training is designed to equip participants with the expertise needed to implement advanced security solutions within Cisco environments. Throughout this program, participants will delve into key areas of network security, covering essential topics such as edge network security, secure mobility solutions, secure access solutions, and threat control solutions. Join us on this journey to elevate your capabilities and become a proficient security professional in today`s rapidly evolving cybersecurity landscape.

Objectives

- Preparing for the CCNP certification exam
- Mastering Cisco Modular Network Security Architectures.
- Deploying Infrastructure Management and Control Plane Security Controls.
- Configuring Layer 2 and Layer 3 Data Plane Security Controls.
- Implementing Network Address Translations (NAT) on Cisco ASA and IOS platforms.
- Deploying Cisco Threat Defense Solutions.
- Understanding VPN Technologies and Deployments.
- Implementing and Maintaining Site-to-Site VPN Solutions.
- Configuring Clientless and AnyConnect SSL VPNs.
- Understanding Identity Services Engine Architecture and Access Control Capabilities.

- Implementing Extensible Authentication Protocols (EAP) and Public-Key Infrastructure with ISE.
- Configuring Identity-Based Authorization Policies.
- Exploring Cisco TrustSec Features for enhanced security.
- Understanding and mitigating malware threats using Cisco Web Security Appliance.
- Configuring Web Security Appliance for Acceptable Use Controls.
- Implementing Cisco Email Security Solution.
- Configuring Cisco Email Appliance Policies.
- Understanding and deploying IPS Threat Controls.

Outline

Module 1: Implementing Cisco Edge Network Security Solutions – SENSS

- Cisco Modular Network Security Architectures
- Deploy Cisco Infrastructure Management and Control Plane Security Controls
- Configuring Cisco Layer 2 and Layer 3 Data Plane Security Controls
- Cisco ASA Network Address Translations (NAT)
- Cisco IOS Software Network Address Translations (NAT)
- Cisco Threat Defense Solutions on a Cisco ASA
- Implementing Botnet Traffic Filters
- Deploying Cisco IOS Zone-Based Policy Firewalls (ZBFW)
- Configure and verify Cisco IOS ZBFW Application Inspection Policy

Module 2: Implementing Cisco Secure Mobility Solutions – SIMOS

- VPN Technologies and Deployments
- Implement and Maintain Cisco Site-to-Site VPN Solutions
- Cisco FlexVPN
- Implement and Maintain Cisco Clientless SSL VPNs
- Implement and Maintain Cisco AnyConnect SSL and IPsec VPNs

- Cisco Secure Endpoint and Dynamic Access Policies (DAP)

Module 3: Implementing Cisco Secure Access Solutions – SISAS

- Identity Services Engine Architecture and Access Control Capabilities
- Understand 802.1X Architecture, Implementation, and Operation
- Extensible Authentication Protocols (EAP)
- Public-Key Infrastructure with ISE
- Internal and External Authentication Databases
- MAC Authentication Bypass
- Implement Identity-Based Authorisation Policies
- Cisco TrustSec Features
- Web Authentication and Guest Access
- ISE Posture Service
- ISE Profiling
- Understand Bring Your Own Device (BYOD) with ISE
- Troubleshoot ISE

Module 4: Implementing Cisco Threat Control Solutions- SITCS

- Understand Cisco ASA Next-Generation Firewall (NGFW)
- Deploy Cisco Web Security Appliance to Mitigate Malware
- Configure Web Security Appliance for Acceptable Use Controls
- Configure Cisco Cloud Web Security Connectors
- Describe Cisco Email Security Solution
- Configure Cisco Email Appliance Incoming and Outgoing Policies
- IPS Threat Controls
- Cisco IPS Sensor into a Network

The Scandinavian Academy for Training and Development employs modern methods in training and skills development, enhancing the efficiency of human resource development. We follow these practices:

- **Theoretical Lectures:**
  - We deliver knowledge through advanced presentations such as PowerPoint and visual materials, including videos and short films.
- **Scientific Assessment:**
  - We evaluate trainees skills before and after the course to ensure their progress.
- **Brainstorming and Interaction:**
  - We encourage active participation through brainstorming sessions and applying concepts through role play.
- **Practical Cases:**
  - We provide practical cases that align with the scientific content and the participants specific needs.
- **Examinations:**
  - Tests are conducted at the end of the program to assess knowledge retention.
- **Educational Materials:**
  - We provide both printed and digital scientific and practical materials to participants.
- **Attendance and Final Result Reports:**
  - We prepare detailed attendance reports for participants and offer a comprehensive program evaluation.
- **Professionals and Experts:**
  - The programs scientific content is prepared by the best professors and trainers in various fields.
- **Professional Completion Certificate:**
  - Participants receive a professional completion certificate issued by the Scandinavian Academy for Training and Development in the Kingdom of Sweden, with the option for international authentication.
- **Program Timings:**
  - Training programs are held from 10:00 AM to 2:00 PM and include buffet sessions for light meals during lectures.