

Scandinavian Academy Training Center

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Riyadh - Al Khaleej District - Sheikh Abdul Aziz Bin Abdul Rahman Bin Bishr Street - 13223 - Office No. 5 | P.O.BOX : 13224

# Course: (CCNP) Security

| Code | City | hotel | Start | End | price | Language - Hours |
|---|---|---|---|---|---|---|
| IT-823SA | Al Baha | Hotel Meeting | 2027-07-18 | 2027-07-22 | 10950 SR | En - 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 Center** adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant receives the training material (both theoretical and practical) in printed form and saved on a CD or flash drive. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training Center.

**Program Timings:  9:00 AM to 2:00 PM**

**The program includes:**

- A daily buffet provided during the sessions to ensure participants comfort.
- A closing ceremony on the final day to distribute certificates and celebrate participants achievements.
- **Note: All prices are exclusive of 15% Value Added Tax (VAT).**

# Our Success Partners

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