

Advanced Network Security for Small Businesses

Based on Check Point Safe@Office Security Appliances version 7.5
(Embedded NGX II - 1 day)

Course Description

Network security is not only about firewall and content filtering and VPN configuration. Planning a well-secured solution for a small business network requires using additional techniques and technologies to allow better network control and availability, and to balance between the networking and security requirements. The Check Point Safe@Office Power Pack add-on provides an advanced set of features with the click of a button, adding enhanced network and security configuration to the existing basic security and VPN functionalities.

This course helps network security professionals understand enhanced, secure deployments of wired and wireless networks using the Safe@Office security appliances. All topics covered in this course are accompanied by hands-on lab exercises.

***Special offer:* Participants in this course will receive a fully functional demo Safe@Office 500W wireless security appliance (not for resale), and one year of subscription-based services upon product registration.**

Who Should Attend?

The course is intended for:

- ✓ Network and security pre-sale and post-sale support specialists
- ✓ ISPs and MSSPs sales and support experts
- ✓ Resellers, integrators, and technology consultants
- ✓ Check Point partners oriented towards small business network security solutions

Course Objectives

Upon completion of this course, participants will be able to:

- ✓ Understand the advantages of the Safe@Office Power Pack Add-on
- ✓ Configure gateway failover between multiple Safe@Office security appliances
- ✓ Create secure network segments using VLANs
- ✓ Extend network segmentation using transparent bridges
- ✓ Configure port based network access control (NAC) with 802.1x authentication
- ✓ Configure and customize wired and wireless Hotspots
- ✓ Understand bandwidth management with the Safe@Office Traffic Shaper and configure Quality of Service (QoS) classes
- ✓ Design and implement an advanced secure wireless network deployment

Prerequisites

Participants should meet the following requirements:

- ✓ Basic knowledge of networking and network topologies
- ✓ Basic knowledge of TCP/IP and other Internet technologies
- ✓ Previous knowledge of network security is an advantage



Course Layout

The following topics will be covered:

Topic	Description
The Safe@Office Power Pack Add-on	<ul style="list-style-type: none"> Overview of the Power Pack Add-on added value features
Advanced secure network configuration	<ul style="list-style-type: none"> Understanding the importance of network segmentation Configuring port based and tag based VLANs Understanding the Safe@Office transparent bridges solution Configuring bridges and bridged networks
Secure Hotspots	<ul style="list-style-type: none"> Understanding the Safe@Office Hotspots Configuring Hotspots for wired and wireless networks Customizing Hotspots
Traffic Shaping and Quality of Service (QoS)	<ul style="list-style-type: none"> Understanding QoS terminology Understanding the Safe@Office Traffic Shaper Configure QoS classes Implementing and testing bandwidth management
Network Access Control (NAC) – port based security with 802.1x authentication	<ul style="list-style-type: none"> Understanding NAC terminology Understanding 802.1x authentication scheme Configure port based security
Secure Wireless LAN (WLAN) deployments	<ul style="list-style-type: none"> Overview of WLAN technology and terminology Understanding WLAN security threats and risks Configuring the main WLAN network Configuring Virtual Access Points Extending wireless networks over Wireless Distribution System Links (WDS)

Getting Certified

- Participants of this can get certified as **Check Point Certified Small Business Security Expert (CCSBSE)** by completing an online exam with a minimum score of 80.
- To pass the exam, participants must demonstrate the necessary knowledge from the following courses:
 - ✓ *Basic Network Security for Small Businesses (Embedded NGX I)*
 - ✓ *Advanced Network Security for Small Businesses (Embedded NGX II)*
- The exam must be taken within **three** months from course completion in order to receive the formal certificate.
- Participants that will not take the exam within this period will be granted with a **Course Completion Certificate** only.