

Updated 10/10/2024

Sign up

## Training and preparation for Stormshield© Network Administrator Certification (EDU-CSNA)

ALL-IN-ONE: EXAM INCLUDED IN STORMSHIELD© NETWORK COURSE FEE  
ADMINISTRATOR 3 days (21 hours)

### PRESENTATION

The Stormshield© Network Administrator Certification (CSNA) attests to your fundamental skills in managing and securing networks with Stormshield solutions. With our training and program, you'll develop essential practical and theoretical skills, aimed at strengthening your expertise in configuring, managing, monitoring and securing networks with Stormshield firewalls. Our training covers crucial aspects such as firewall familiarization, network configuration, address translation, filtering, application protection, user authentication and virtual private networks (VPNs). With a perfect balance of in-depth theory and hands-on practice, this course offers you comprehensive preparation in the essential disciplines of using [StormShield](#) solutions. Each module tests your knowledge and skills in specific areas of network management and security. The course is constantly updated to reflect the latest trends and developments in cybersecurity and network management.

### OBJECTIVES

- Understand the basic concepts of Stormshield firewalls and their architecture
- Learn how to configure and administer a Stormshield firewall
- Supervise and analyze traces and history graphs
- Managing network objects and advanced network configurations
- Implement address translation (NAT) and filtering strategies
- Configuring application protection
- Manage users and authentication methods
- Implement and manage IPSec and SSL VPNs

### TARGET AUDIENCE

- Network administrators
- Safety engineers

- IT managers
- Cybersecurity consultants
- Network architects

## Prerequisites

- Basic knowledge of network administration and IT security
- Practical experience with firewalls or network security solutions
- Basic knowledge of TCP/IP and network routing

## Technical requirements

- Access to a Stormshield firewall for practical work
- A computer capable of running network management tools
- Compatible web browsers to access the Stormshield interface
- Stable Internet connection

# STORMSHIELD© NETWORK ADMINISTRATOR TRAINING PROGRAM

## DAY 1:

### GETTING TO GRIPS WITH THE FIREWALL

- Customer area registration and access to technical resources
- Initializing the box and presenting the administration interface
- System configuration and administration rights
- License installation and system version update
- Backing up and restoring a configuration

### Traces and Supervisions

- Overview of trace categories
- Supervision and history graphs

### Objects

- Notion of object and usable object types
- Network objects and routers

## Network configuration

- How to configure a box in a network
- Interface types
- Ethernet
- Modem
- Bridge
- VLAN
- GRE/TAP
- Routing types and priorities

## DAY 2 :

### Address Translation (NAT)

- On outgoing flow
- On incoming flow (redirection)
- Bidirectional (one-to-one translation)

### Filtering

- General information on filtering and stateful connections
- Detailed presentation of filter rule parameters
- Scheduling of filtering and translation rules

### Application Protection

- Setting up URL filtering in HTTP and HTTPS
- Breach Fighter antivirus and detonation scan configuration
- Intrusion prevention module and security inspection profiles

## DAY 3 :

### Users and authentication

- Directory configuration
- Overview of different authentication methods
- LDAP
- Kerberos
- RAYON
- SSL certificate
- SPNEGO
- single sign-on
- User enrolment
- Explicit authentication via captive portal

## Virtual private networks

- Concepts and generalities IPsec VPN (IKEv1 IKEv2)
- Site-to-site with pre-shared key
- Virtual tunneling interface

## VPN SSL

- Operating principle
- Configuration

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical inputs from the trainer supported by examples and

brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.