



# CSMCA COURSE OUTLINE

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## Certified Stormshield Management Center Administrator (NT-CSMCA)

### Introduction

The aim of this course is to present the features found in Stormshield Management Center, centralized administration tool for managing SNS appliances.

### Target audience

IT managers, network administrators and IT technicians.

### Learning objectives



Trainees attend a classroom training session that incorporates both theory and practice.



Trainees are given a printed training book, composed of the theoretical course and the labs.



In order to practice, they benefit from a complete technical environment.  
Trainees will have access to all the training book's updates for 3 years on <https://institute.stormshield.eu>, as well as to a virtual environment which will enable them to do the labs again on their own.

At the end of the course, trainees will know how to:

- deploy SMC and perform the necessary maintenance operations
- connect and oversee a large number of appliances
- deploy NAT and filter rules on a large number of SNS appliances
- easily set up site-to-site IPSec VPN tunnels
- configure a large number of SNS appliances using CLI scripts

### Venue, duration and registration

Stormshield offers training programs at its offices in Paris, Lille and Lyon.

Our instructors may also travel to conduct on-site training sessions if there are at least 5 trainees.

The course takes place over two consecutive days lasting a total of 14 hours. Trainees are expected to turn up at 9.30 a.m. on the first day of training and at 9 a.m. the second day (unless otherwise indicated by the instructor or Stormshield). All registration requests have to be sent to your Stormshield Network-certified training center (SNTC) or to Stormshield's training department ([training@stormshield.eu](mailto:training@stormshield.eu)). The maximum class size is 8 trainees per session. Training material will be provided for each trainee.



## Requirements and hardware

The trainee must have passed the Certified Stormshield Network Administrator (CSNA) exam within the 3 years prior to the CSMCA course.

Good TCP/IP knowledge. Prior training in IP would be a bonus.

Trainees must be equipped with a laptop (with at least 8 GB of RAM) on which a Windows operating system with administrator privileges has been installed in order to conduct the exercises suggested in the training course, as well as the following programs: Firefox, PuTTY (or any other SSH client), WinSCP (or an equivalent SCP client), Wireshark and VirtualBox.

## Detailed description

### Day 1

- Installing, handling and performing maintenance operations on SMC appliances
- Attaching SNS firewalls to the SMC server
- Overseeing and modifying firewalls from the SMC server
- Deploying configurations in an environment of SNS appliances
- Managing and deploying network objects from SMC
- Using variables in objects
- Setting up centralized translation and filter policies
  - o Without delegation
  - o With partial delegation
  - o With full delegation

### Day 2

- Site-to-site IPSec VPN
  - o Running site-to-site IPSec VPN tunnels
  - o Deploying identities and importing certificates for certificate-based authentication
  - o Creating encryption profiles
  - o Creating topologies (mesh or star)
  - o CLI scripts
- Overseeing site-to-site IPSec VPN tunnels from the SMC server
- Presentation of CLI commands and scripts
- Running scripts from SMC in an environment of SNS appliances
  - o From the web interface
  - o In command line with a CSV file in the parameters
  - o Managing the way files used in scripts are sent and received



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## Certification exam



Certification consists of an exam carried out online (1 hour 40 minutes, 50 questions).

The minimum score required in order to obtain the certification is 70%.

Access to the exam automatically opens the day after the end of the course on the <https://institute.stormshield.eu> platform and will remain open for three weeks. In the event of failure or inability to sit for the exam within this time frame, a second and last attempt will automatically open with immediate effect for an additional week.