

CSMCE COURSE OUTLINE

Certified Stormshield Management Center Expert (NT-CSMCE)

STORMSHIELD SAS training organization

Business registration no.: 11922154792

Introduction

This course is an introduction to the features in Stormshield Management Center, the centralized SNS firewall administration tool.

Target audience

IT managers, network administrators and IT technicians.

Learning methods and aims of the course



The course takes place in a classroom or online (by videoconference), and alternates between theory and practical exercises.



Courseware is provided to trainees and consists of course content and practical exercises (labs). Trainees are given access to a full-scale technical environment so that they can put into practice what they learn during the course.



In order for trainees to keep their knowledge up to date, all updated versions of courseware will be available in PDF on our <https://institute.stormshield.eu> platform for three years. On this platform, trainees will also have access to a virtual environment in which they can operate the appliance and replay lab exercises at their own pace.

At the end of the course, trainees are expected to know how to:

- Deploy and maintain SMC,
- Connect and supervise a pool of SNS firewalls,
- Deploy filter and NAT rules in a pool of SNS firewalls,
- Easily set up site-to-site IPsec VPN topologies,
- Configure a pool of SNS firewalls with CLI scripts.

Venue and duration

Stormshield offers in-person training sessions at its offices in Paris, Lille and Lyon. The CSMCE course can also be conducted remotely.

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

The course takes place in two continuous working days over 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). Each session is open to a maximum of eight trainees.



Registration

All registration requests must be sent to a Stormshield training center (STC) distributor or to Stormshield's training department (training@stormshield.eu). Registrations are confirmed only upon receipt of the order form.

Une procédure de prise en charge par un OPCO avec subrogation de paiement est possible. L'accord de prise en charge dans le cadre d'un financement par un OPCO avec subrogation de paiement doit être fourni à Stormshield au plus tard le 1er jour de la formation. A défaut, la formation sera facturée directement à la société du stagiaire dès le dernier jour de la formation.

Our general sales terms and conditions are available at <https://www.stormshield.com/standard-terms-conditions-sale-service/>.

Facilities for trainees with disabilities

Our course facilities are equipped to accommodate individuals with disabilities. However a prior assessment of the nature of the disability is necessary. To ensure that we anticipate trainees' needs and make the necessary arrangements, we ask that they inform our training department of their requirements as soon as they get in touch.

Cost

The public price of the course is €1890 before tax for a two-day course and two certification attempts online.

Requirements and hardware

Trainees must have passed the Certified Stormshield Network Administrator (CSNA) exam in the 3 years prior to the CSMCE course.

Knowledge of managing GNU/Linux systems in CLI are a bonus.

In-person:

- Laptop, preferably running in a Windows operating system (physical or virtual with bridged network access) with administrator privileges, on which the following applications are installed: Firefox, PuTTY (or any other SSH client), WinSCP (or an equivalent SCP client), VirtualBox or VMWare equivalent (VMWare Workstation Player or Pro).

Online:

- Latest version of a web browser: Chrome or Firefox with Javascript installed (only these browsers are supported)
- Verification of access to the CyberRange platform (<https://customers.cyberrange.cloud/>) prior to the course
- Permissions to install the videoconferencing application
- Internet access of at least 2 Mbps
- Working webcam and microphone
- A second monitor of at least 22 inches is recommended



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Details of topics

Day 1

- Individual introduction of trainees
- Installing, getting started with, and maintaining SMC
- Connecting SNS firewalls to the SMC server
- Deploying configurations on a pool of SNS firewalls
- Managing and deploying objects from SMC
 - o Using variable objects
 - o Tools for migrating objects from a firewall
- Defining a centralized filter and translation policy
 - o Without delegation
 - o With partial delegation
 - o With full delegation
 - o Tools for migrating to centralized administration

Day 2

- Site-to-site IPsec VPN
 - o Managing certificates
 - o How site-to-site IPSec VPN tunnels work
 - o Deploying identities and importing certificates in certificate-based authentication
 - o Creating encryption profiles
 - o Creating a topology (mesh or star)
 - o Monitoring site-to-site IPsec VPN tunnels from the SMC server
- Introduction to CLI commands and scripts
- Executing scripts from SMC on a pool of SNS firewalls,
 - o Declaring variables on SMC
 - o Executing scripts and logging the execution of scripts
 - o Managing script input or output files

Certification exam



To obtain certification, trainees must complete an online exam containing 50 questions within 1 hour and 40 minutes.

The minimum score required 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 remains open for three weeks. If trainees fail their first attempt or are unable to sit for the exam within this time frame, they will be entitled to a second and final attempt, which will open with immediate effect for an additional week.