



STORMSHIELD

CSMCE COURSE OUTLINE

Certified Stormshield Management Center Expert (NT-CSMCE)

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



This course can be conducted in two ways: in-person with other trainees in a classroom, or online, in which the instructor uses a combination of videoconferencing tools and the Airbus CyberRange platform. The structure of the course includes both theory and practical exercises.



Trainees are given a 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, or on line.

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 a Stormshield training center (STC) or to Stormshield's training department (training@stormshield.eu). The maximum class size is 8 trainees per session. Training material will be provided for each trainee.

Within the framework of our training courses, it is possible to welcome people with disabilities after evaluation of the nature of the disability. In order to anticipate the needs and study the necessary compensations, it is requested to inform the training department about it before booking a seat.



Price

The price is 1850€ for two days of training and two attempts at the on-line exam.

Requirements and hardware

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

Classroom session :

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.

Online:

- Web browser: Chrome 50 (or higher) or Firefox 50 (or higher) with Javascript installed to enable access to the CyberRange platform for practical exercises (only these browsers are supported). Trainees must also hold permissions to install plugins that support video calls
- PC with 6 GB of RAM and an i3 processor without hard disk limits
- Internet access of at least 2 Mbps
- A second monitor of at least 22 inches is recommended

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
 - o Using variables in objects
 - o Tools for migrating objects from a SNS appliance
- Setting up centralized translation and filter policies
 - 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



- Certificates and PKIs in SNS firewalls
- Running site-to-site IPSec VPN tunnels
- Deploying identities and importing certificates for certificate-based authentication
- Creating encryption profiles
- Creating topologies (mesh or star)
- Monitoring IPSec VPN tunnels
- Presentation of CLI commands and scripts
- Running scripts from SMC in an environment of SNS appliances
 - Declaring the variables
 - Launch and monitor the scripts
 - Managing the way files used in scripts are sent and received

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.