

# Certified Stormshield Network Expert (NT-CSNE)

Hands-on course of 3 days - 21h

Ref.: CNJ - Price 2026: €2 210 (excl. taxes)

The aim of this training course is to introduce the advanced features of Stormshield Network Security. Recognized by the French National Agency for Information Systems Security (ANSSI) as having high usage value in a professional context, the CSNE certification has been awarded the SecNumedu - Continuing Education label.

## EDUCATIONAL OBJECTIVES

At the end of the training, the trainee will be able to:

- Advanced GUI use
- Precise configuration of the intrusion prevention engine
- Implement PKI and transparent authentication
- Setting up an IPsec VPN using certificates
- Creating a high-availability cluster

## TEACHING METHODS

La formation est délivrée soit en présentiel (en face à face pédagogique, en salle), soit en distanciel (présence à distance du formateur grâce à un système de visio et utilisation de la plateforme CyberRange d'Airbus). La formation alterne cours théorique et travaux pratiques.

Les participants reçoivent un support de cours composé du cours, des travaux pratiques (Labs) et de leurs corrections. Afin de pouvoir mettre en pratique les éléments du cours, les participants ont à leur disposition un environnement technique complet. Afin de maintenir l'expertise du participant, toutes les mises à jour du support de cours sont accessibles au format PDF durant 3 ans sur notre plateforme <https://institute.stormshield.eu>. Le participant trouvera également sur cette plateforme un environnement virtuel lui permettant de manipuler le produit et rejouer les Labs en toute autonomie.

## CERTIFICATION

La certification consiste en un examen effectué en ligne (2h, 90 questions). Le score minimum de certification est de 70%. L'examen est ouvert automatiquement le jour suivant la fin de la formation pour une durée de trois semaines sur la plateforme <https://institute.stormshield.eu>. En cas d'échec ou d'impossibilité de passer l'examen dans ce créneau, un deuxième et dernier passage d'examen est ouvert automatiquement dans la foulée pour une durée d'une semaine supplémentaire. Certification SecNumedu.

## PARTICIPANTS

IT managers, network administrators, all CSNA-certified IT technicians.

## PREREQUISITES

Reserved for those who have passed the CSNA exam within the last 3 years. Good knowledge of TCP/IP (routing, TCP connection establishment phases, IP packet structure...)

## TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

## ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at [psh-accueil@ORSYS.fr](mailto:psh-accueil@ORSYS.fr) to review your request and its feasibility.

# THE PROGRAMME

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last updated: 11/2025

## 1) Stormshield Network intrusion prevention engine in detail

- Differences between intrusion prevention and detection.
- The intrusion prevention engine.
- Different types of analysis.
- Protocol and application profiles.

## 2) Public Key Infrastructure

- Basics of symmetrical and asymmetrical encryption.
- Types of encryption.
- PKI Stormshield Network.
- Creation of a certification authority, server identity and user identity.

## 3) Proxy SSL

- Operating principle.
- SSL proxy settings.

## 4) Advanced IPsec VPN

- Detailed operation and NAT traversal mechanism.
- Support for Dead Peer Detection (DPD).
- VPN star architecture and chaining.
- NAT in IPsec.
- IPsec VPN architecture with backup tunnel.
- Site-to-site VPN configuration using certificates.
- Setting up a nomad VPN.

## 5) GRE and GRE-TAP

- Operating principle.
- Configuration and set-up.

## 6) Transparent authentication

- Operating principle.
- SPNEGO authentication method.
- SSL certificate authentication method.

## 7) High availability

- Operating principle.
- HA cluster creation and configuration wizard.
- Configure network interfaces.
- Advanced configuration.

# DATES

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Contact us