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Sign up

Stormshield Network Expert certification training (EDU-CSNE)

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

3 days (21 hours)

Presentation

Our pre-certification training course will enable you to prove your skills on the Next Generation [Firewall](#) / UTM Stormshield Network Security product.

The CSNE exam is based solely on advanced skills and knowledge of the tool. You'll learn all the skills you need to set up a firewall, and you'll do some practical work to validate your practical and theoretical knowledge.

The exam consists of an online questionnaire to which you must obtain 70% correct answers. It is entirely in French and lasts an average of 2 hours.

Our Stormshield Network Expert (EDU-CSNE) certification training course covers everything you need to know to pass the exam, including the different types of analysis, [VPNs](#) and authentication methods.

Objectives

- Advanced use of HMI (Human Machine Interface)
- Precise configuration of the intrusion prevention engine
- Set up a PKI (Public Key Infrastructure) and transparent authentication
- Setting up an IPSec VPN using certificates
- Create a high-availability cluster.

Target audience

- Safety managers
- network administrators

Prerequisites

- Successful completion of the CSNA exam within 3 years prior to training
- Good TCP/IP skills

Hardware requirements

- Laptop PC, preferably with Windows operating system (physical or virtual network access via bridge) with administrator rights
- The following software is required
 - Firefox, PuTTY (or any other SSH client)
 - WinSCP (or equivalent SCP client)
 - Wireshark
 - VirtualBox or VMware equivalent (VMware player or VMware desktop)

Note: Ambient IT is not the owner of CSNE, this certification belongs to Stormshield.

Stormshield Network Expert (CSNE) TRAINING PROGRAM

Introduction to Stormshield Network

- 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
- Advanced features of the filter module
- Limiting the number of connections per second
- Advanced source field options
- QoS by filtering and/or marking the DSCP field
- Filtering by destination port and/or protocol
- Choice of inspection mode and profile

Cryptography

- Public key infrastructures
- What is cryptography?
- Encryption types
- Stormshield PKI network
- Creation of a certification authority, user certificate and certificate server

Proxy SSL

- Proxy SSL
- Operating principle
- SSL proxy settings
- Certification authorities on the box

VNP IPSec

- Advanced IPSec VPN
- Detailed operation and NAT traversal mechanism
- Configuring "response only" mode
- Support for Dead Peer Detection (DPD)
- IPsec VPN architecture with backup tunnel
- Site-to-site VPN configuration using certificates

VPVN SSL

- VPN SSL
- Operating principle
- Configuration
- Transparent authentication
- Operating principle

Authentication

- SPNEGO authentication method
- SSL certificate authentication method
- Gathering information and diagnostics
- Knowledge base and documentation
- Opening tickets and information to be provided
- Reporting technique
- High availability
- Operating principle
- HA cluster creation and configuration wizard
- Network interface configuration
- Advanced 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 on entry to training complies with Qualiopi quality criteria. As soon as

On final registration, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, and his or her expectations and personal objectives for the forthcoming training course, 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 input from the trainer, supported by examples, with 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.