

Fortigate I and II: NSE4 Certification Prep

Hands-on course of 5 days - 35h

Ref.: FNA - Price 2024: CHF4 040 (excl. taxes)

EDUCATIONAL OBJECTIVES

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

Prepare for the Fortinet NSE4 certification exam (Fortigate I and II)

Describe the features of Fortigate UTM

Authenticate users through firewall rules

Deploy an IPSec tunnel between two Fortigate units

Interpret logs, generate reports

TEACHING METHODS

Balanced mix of presentations, workshops and scenarios under similar conditions to the certification test.

THE PROGRAMME

last updated: 06/2022

1) Fortigate UTM

- Administering the equipment, account and authentication.
- Fortigate as a DHCP server, DNS server.
- Configuration file and firmware upgrade.
- Antivirus: Antivirus filter on web flows (HTTP, HTTPS, FTP) and email (SMTP, SMTPS, IMAP, IMAPS, POP3, POP3S).
- Web filtering
- Application IPS. Application control.
- DoS (Denial of Service) protection.

Hands-on work : Using GUI and CLI interfaces.

2) The firewall

- Security rules.
- Checking workstations.
- Log and analysis.
- NAT, IP address translation.
- Traffic inspection.
- Security rule diagnostics.

Hands-on work : Authenticating users through firewall rules.

3) VPN SSL and IPSec

- VPN SSL options and security.
- Configuration of VPN SSL, VPN IPSec.
- VPN topologies, VPN SSL Fortigate.
- VPN IPSec Monitoring.
- VPN Dialup, redundancies.

Hands-on work : Implementing a VPN IPSec mesh/reundant architecture.

4) Logging and monitoring.

- Structure of logs.
- Browsing through logs.
- Email alerts and log settings.
- Monitoring and storing logs.

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 to review your request and its feasibility.

- Hands-on work

Hands-on work : Certificates and cryptography

5) Digital certificates.

- Inspection of SSL content.
- Hands-on work
- Implementing encryption.
- High availability (HA)

Hands-on work : Clustering options.

6) Hands-on work

- Deploying Fortigate units in an HA cluster.
- Diagnostic tools

Hands-on work : Diagnostics and troubleshooting.

7) Hands-on work

- Working with diagnostic tools.
- Proxy

Hands-on work : Two-factor authentication.

8) Authentication types and rules.

- Users and groups
- Monitoring users.

Hands-on work : Implementing explicit proxy, caching, and user authentication.

DATES

Contact us