

## OPNsense®

Installation, Administration and Configuration

**Duration:** 2 days

**Price:** 1.490 € plus VAT

## Topics

Learn in our hands-on [OPNsense®](#)-training course how to secure your network effectively, implement modern firewall rules, and build secure VPN connections.

[OPNsense®](#) is a powerful, FreeBSD-based open-source firewall and routing platform. It offers features typically found only in expensive enterprise solutions, ranging from **Stateful Packet Inspection (SPI)** through **Intrusion Detection/Prevention (IDS/IPS)** all the way to **Two-Factor Authentication (2FA)**. Thanks to its intuitive web interface and regular security updates, it is an ideal choice for modern network security.

We show you how to plan, install, and manage a production-ready security infrastructure with [OPNsense®](#) in day-to-day operations. This course is designed for administrators who want to move from proprietary solutions to open source or deepen their existing expertise.

## Learnings

- **Core Goal:** How to build, configure, and secure a professional firewall environment.
  - **Fundamentals & Installation:** Hardware requirements, initial configuration, and interface assignment.
  - **Ruleset Management (Firewall Rules):** State handling, aliases, and best practices for egress filtering.
  - **Network services:** DHCP Server (KEA), DNS configuration (Unbound), and VLAN segmentation.
  - **VPN Security Features:** Setting up Roadwarrior (OpenVPN/WireGuard) and Site-to-Site connections.
  - **Advanced Security Features:** Intrusion Detection System (Suricata), Web Proxy, and GeoIP blocking
- **Monitoring & Basic Troubleshooting:**
  - **Reporting:** Analysis of Health Graphs and NetFlow data.
  - **Live Log Analysis:** Understanding and interpreting traffic data in real time.
  - **Diagnostics:** Utilizing tools such as tcpdump, ping, traceroute, and packet capture directly via the GUI.
  - **States & Tables:** Analyzing the State Table to identify blocked or active connections.
  - **Backup & Recovery:** Automated XML configuration backups and rapid recovery strategies.

## Target Group

System administrators, IT professionals, and network specialists who want to deploy a powerful, secure, and flexible open-source firewall solution – whether in a corporate network, a data center, or a smaller environment.

- Basic knowledge of networking and IT security is an advantage.

- Perfect for beginners in firewall-management, routing and VPN with [OPNsense](#)®

## Requirements for Optimal Training

- Basic knowledge in Linux and networks are an advantage, but not necessary
- Internet connection
- For online courses additionally required: headphones, microphone, and webcam

## Certificate:

All participants receive an official certificate of attendance from the vendor Deciso Sales B.V. upon completion of the training.

## Do you have questions or want to book a course?

We are happy to assist you:

Phone: [+49 681 410 993 0](tel:+496814109930)

Email: [academy@inett.de](mailto:academy@inett.de)

You find detailed information to our courses and course dates here:

<https://inett.academy/opnsense/>

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