Next Generation Firewall – Security Professional («FIRE»)

This series of courses will provide you with the knowledge you need to gain professional experience with a Next Generation Firewall and put it to immediate use in your business.

Duration: 9.5 days
Price: 8'025.–
Course documents: Digicomp Courseware

Content

By booking this course series, you benefit from an exclusive price advantage and save over 500 Swiss francs on the following individually bookable modules:

- Next Generation Firewall – Hands-on Basic (FIRE1)
- Next Generation Firewall – Hands-on Advanced (FIRE2)
- Next Generation Firewall – Hands-on Expert (FIRE3)

It is recommended to visit the modules in the above mentioned order!

Key Learnings

- Basic knowledge of Network Address Translation
- Knowledge of time-based rules with scheduler
- Knowing Traffic Shaping
- Learning of Captive Portal
- First experience with Virtual Private Networks
- Understand IP/DNS based filtering part 1 and part 2
- Know and understand the Network Intrusion Detection System and the Network Intrusion Prevention System
- First basics of modern networks and network technology
- All about MAC and IP addresses in practice
- Data transport with TCP and UDP
- Getting to know various network applications
- Repetition of OSI layer
- What network hardware exists and what it is used for
- What is a firewall, what types are there, what is it used for and how it works
- Firewall best practices
- Understanding, creating and editing firewall rules
- Basic installation of the open source firewall
- Firewall console and web interface basics
- Differences between virtual instances and appliances
- Configuring the WAN interface and LAN interfaces
- Setting up a DHCP server
- DHCP leases and static reservation
- Knowledge of NTP, VLAN configuration, link aggregation, DNS resolution and Dynamic DNS
- First handling of alias
- Everything about system logging, traffic graph, monitoring and troubleshooting
- All about Multi-WAN
- Getting to know virtual IP addresses

Methodology & didactics

- Mediation by means of presentation
- Live demonstration
- Practical examples
- Multidimensional learning up to synthesis

Target audience

This course is intended for employees of companies who want to build up their network knowledge and handling of a Next Generation Firewall or improve it with regard to analysis, high availability and load balancing, as well as individuals who want to protect their home network.

Additional information

Netgate 4100 Security Appliance

To ensure that you achieve maximum learning success and can immediately put the knowledge you have gained into practice, we provide you with a personal firewall appliance which you may keep after completing the course. The Netgate 4100 with integrated pfSense Plus software is one of the most versatile security gateways in its class. With thousands of organizations using pfSense software, it is among the world's most trusted open source network security solution.

For more product information, visit https://shop.netgate.com/products/4100-base-pfsense

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-security/cyber-security-defense/course-package-next-generation-firewall--security-professional