

## REQUIRED KNOWLEDGE FOR MACMON TRAININGS



The training is aimed at network administrators and attendees with comparable knowledge. For an effective training focused on implementing macmon NAC, the following knowledge is required.

### Network Basics

In order to be able to understand the full functionality of macmon NAC, the following topics are essential for attending the training:

- Be able to roughly classify frequently used services/protocols and network devices into Layer-2, Layer-3 and higher layers (reference to OSI model if required)\*.
- Basic understanding of tasks and functions of switches, routers and firewalls as well as information contained in MAC tables (FDB - forwarding, database) and ARP caches.
- Tasks and basic functions of the following services/protocols: Active Directory, DNS, DHCP, RADIUS, SNMPv2/SNMPv3.
- Basic knowledge of VLAN (Virtual Local Area Network).
- Data import and export in the CSV format.

### Infrastructure, network, end device management and IT security

The main components of the training will be available without those additional skills but to be able to draft security concepts to an extended degree and to optimize them we recommend further experience:

- Knowledge about the configuration of switches, routers and firewalls.
- Knowledge of switch interface modes (Access, Trunk/Uplink, Hybrid, Link Aggregation/LAG).
- Basic knowledge of the following services/protocols (LLDP, CDP, LDAP, Kerberos, WLAN).
- Basic knowledge of the functionality and application areas of digital certificates, Certification Authority (CA), Certificate Signing Request (CSR).
- Knowledge of the configuration of Linux and Windows systems.
- Knowledge of the task/functionality of WMI (Windows Management Instrumentation).
- Knowledge of CLI/consoles/command line tools (e.g. Windows cmd, Linux, switches).
- Basic knowledge of shell scripts and batch programming, Regular Expression.
- Firewall basic rules, simple packet filter by source/destination address, first match.

Our trainers will be happy to answer any questions you may have about training. If you have any questions please don't hesitate to contact your sales contact or our head office at +49 (0) 30 232 5777 0. You will be forwarded to your trainer then.

### \*Possible sources for Internet research (incomplete selection - June 2019):

<https://Wikipedia.org>  
<https://study-ccna.com/>

### Contact

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