



**Stefan Kania**  
IT-Consulting durch Training

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# Seminar

## Linux on the commandline

Learn how to navigate confidently on the command line of a Linux system. Learn not only the individual commands, but also how to combine them in a meaningful way to achieve the desired result. Learn how to find files, search their contents, and output them.

In the second part of the seminar, you will get a first insight into shell scripts. You will learn the different ways to execute a shell script. This part gives you an insight into the possibilities of automating tasks using shell scripts.

## Prior knowledge

You have already worked with Linux and had your first contact with the console and are now curious to learn more. No prior knowledge of shell programming is required.

## Prerequisites

A virtual machine with a distribution of your choice. Debian-based is preferred.

## Seminar content

- What distributions are available
- What is the shell
- Different shells
- The help system (manpages)
- The file system
- Moving around in the file system
- Copying, moving, deleting, and renaming files
- Working with files
- Linux permission system

- Local user management
- Time-controlled tasks with cron
- Process management
- Package management
- First steps in shell programming

## Objectives

By the end of the seminar, you will be able to navigate the command line with confidence, know the basic commands, and know how to use and combine them effectively. Working with files on the command line will also no longer be a problem for you. You will have learned the first steps toward shell programming.

## Important information about the course

The seminar is based on Bash, but other shell types will also be addressed and their advantages and disadvantages discussed. A minimum of 3 participants is required for the seminar to take place. If this number is not reached, I will inform you promptly about alternative dates or options. Maximum number of participants: 8. You will be notified as soon as the required minimum number of participants is reached.

### Times:

Monday to Thursday, 9:00 a.m. to 12:30 p.m. and 1:30 p.m. to 5:00 p.m.

Friday 9:00 a.m. to 12:00 p.m. and 1:00 p.m. to 3:00 p.m.

Two coffee breaks are scheduled and will be flexibly adjusted to the learning progress and dynamics of the group to ensure optimal learning.

### Dates:

September 29, 2025 to October 2, 2025 (4 days). Registration by September 17, 2025 at the latest

October 28, 2025 to October 31, 2025 (4 days). Registration by October 15, 2025 at the latest

### Registration start:

Immediately

### Price:

Please inquire about the price

IBAN: DE42 1001 1001 2627 8157 76

BIC: NTSBDEB1XXX

Your place in the seminar is only secured once the amount has been received on time. If the deadline (2 days before the start of the seminar) is not met, your place in the seminar will be given to someone else.