

TOP LOC 172023 Linux Programming Essentials

Linux programming essentials is the key to configure communication in the telecommunication world.

This training gives a comprehensive insight into the Linux context and the necessary elements for programming. The idea of the errors is to train technicians and engineers to identify what is missing, what is expected to see, etc. and thereby build up knowledge of Linux programming and troubleshooting experience. The workshop is based on practical exercises which gives a good and fundamental education to cope with everyday life cases.

Target Group

Engineers, Technicians, Installers, and Administrators

Requirements

- Basics of telecommunications and telephone systems, line switching, packet switching, and IP knowledge is preferable

Methods

Remote Leader Led/RLL: Virtual classroom environment.

Equipment and Setup Requirements for Remote Leader Led Training:

- 2x SIP phones (can be a mixture of soft phone, Mitel Phone or other brand)
- 1x PC or laptop with 2x screens / 2x PC or laptops

Further information will be provided prior to the start of the course.

Key Features

- Introduction to Linux. Linux architecture. Open-source philosophy. File system hierarchy. Linux shell.
- Command line navigation. File manipulations. Symbolic and hard links. Relative and Absolute path.
- Remote access over SSH. SSH keys generation. IP-addresses. Domain names resolving.
- Commands output redirection. Piping commands. Stream editors. Text filtering.
- Program packages management. File permissions system. Text editors' vim and nano.
- System resources. Linux processes and jobs. IP-networking. NAT. Bash shell variables. Program environment.
- Work automation with Bash scripting language. Script loops and functions.
- Scheduling with Cron daemon. Archiving files tar/gzip.

Events

Dates on request

Duration

3 Days

Customized training

We tailor the content and duration of the trainings according to your individual needs.

Certificate

TOP Certification

Contact Person



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