Linux – Administration

Course code: LXI2

The course is designed for Linux operating system servers administrators who will learn common and advanced tasks related to the administration of the system. The participants in the course will learn to administrate operating system Linux, to work with the command interpreter, to administrate the processes, to plan the functions, to back up the important data, to track the performance and monitor the system load. The participants will also learn to set and to monitor the system logging, to configure the starting scripts of the operating system, etc.

Affiliate	Duration	Course price	ITB
Praha	3	11 700 Kč	0
Brno	3	11 700 Kč	0
Bratislava	3	510 €	0

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
09.12.2026	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha
16.12.2026	3	11 700 Kč	Presence	CZ/SK	GOPAS Brno
13.01.2027	3	11 700 Kč	Online	CZ/SK	Online
17.02.2027	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha
10.03.2027	3	11 700 Kč	Presence	CZ/SK	GOPAS Brno
21.04.2027	3	11 700 Kč	Online	CZ/SK	Online
12.05.2027	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha
21.07.2027	3	11 700 Kč	Presence	CZ/SK	GOPAS Brno
04.08.2027	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha
11.08.2027	3	11 700 Kč	Online	CZ/SK	Online
01.11.2027	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha
03.11.2027	3	11 700 Kč	Presence	CZ/SK	GOPAS Brno
24.11.2027	3	11 700 Kč	Online	CZ/SK	Online

The prices are without VAT.

What we teach you

The course participants will learn to administer operating system LINUX , to work with command interpreter, to administrate the processes, to plan the functions, to back up the important data, to track the performance and monitor the system load. The participants will also learn to set and to monitor the system logging, to configure the starting scripts of the operating system, etc.

Course outline

Command interpreter BASH

Basics of working with BASH, shell login, change of the Shell

Commands history, addition, configuration

Variable environment, aliases

Redirections, pipes

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Linux – Administration

Administration of the processes
Control of the tasks (jobs control)
Processes administration, signals

System administration

Information about system sources, top tools, directory/proc and /sys
Start of the system, init process (upstart process)
Starting rc scripts
Monitoring of the system load

Logging and system monitoring

Principle of the log gathering in the UNIX system
Syslogd and Rsyslogd
Log rotation
Log analyses

Tasks planning according to time

Tasks planning using at, cron, fcron.
Setting of the right time, NTP protocol

Backing up

Methods of backing up, total incremental, block, file
Tools tar, cpio, partclone, dump-restore, rsync, rdiff-backup

Linux core
Functions of the system core
GRUB boot loader
Core moduls, tools for working with moduls

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