

# 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	30
Brno	3	11 700 Kč	30
Bratislava	3	510 €	30

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
<b>G</b> 16.10.2024	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha
<b>G</b> 13.11.2024	3	11 700 Kč	Presence	CZ/SK	GOPAS Brno
13.11.2024	3	510 €	Presence	CZ/SK	GOPAS Bratislava prezenčne
11.12.2024	3	510 €	Online	CZ/SK	GOPAS Bratislava online
<b>G</b> 11.12.2024	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha
29.01.2025	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha
26.02.2025	3	11 700 Kč	Presence	CZ/SK	GOPAS Brno
23.04.2025	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha
14.05.2025	3	11 700 Kč	Presence	CZ/SK	GOPAS Brno
18.06.2025	3	11 700 Kč	Presence	CZ/SK	GOPAS Praha

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

Administration of the processes

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2020 GOPAS, a.s.,  
All rights reserved

# Linux – Administration

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

**GOPAS Praha**  
Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Brno**  
Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Bratislava**  
Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)

 **GOPAS**<sup>®</sup>  
Copyright © 2020 GOPAS, a.s.,  
All rights reserved