

Szkolenie: The Linux Foundation LFS201 Essentials of Linux System Administration



Cel szkolenia:

This course will teach you the concepts and skills you need to be prepared for the Linux Foundation Certified System Administrator (LFCS) exam. You'll learn how to administer, configure and upgrade Linux systems running one of the three major Linux distribution families (Red Hat, SUSE, Debian/Ubuntu). You'll also learn all the tools and concepts you need to efficiently build and manage a production Linux infrastructure.

This course is designed to work with a wide range of Linux distributions, so you will be able to apply these concepts regardless of your distro.

Plan szkolenia:

- Course Introduction
- Linux Filesystem Tree Layout
- Processes
- Signals
- Package Management Systems
- RPM
- DPKG
- yum
- zypper
- APT
- System Monitoring
- Process Monitoring
- Memory: Monitoring Usage and Tuning
- I/O Monitoring and Tuning
- I/O Scheduling
- Linux Filesystems and the VFS
- Disk Partitioning
- Filesystem Features: Attributes, Creating, Checking, Mounting
- Filesystem Features: Swap, Quotas, Usage

- The ext2/ext3/ext4 Filesystems
- The XFS and btrfs Filesystems
- Encrypting Disks
- Logical Volume Management (LVM)
- RAID
- Kernel Services and Configuration
- Kernel Modules
- Devices and udev
- Virtualization Overview
- Containers Overview
- User Account Management
- Group Management
- File Permissions and Ownership
- Pluggable Authentication Modules (PAM)
- Network Addresses
- Network Devices and Configuration
- Firewalls
- System Startup and Shutdown
- GRUB
- Init: SystemV, Upstart, systemd
- Backup and Recovery Methods
- Linux Security Modules
- Local System Security
- Basic Troubleshooting
- System Rescue

Wymagania:

Basic knowledge of Linux, including installing Linux and using the command line is helpful but not required. Free [LFS101x Introduction to Linux](#) course is useful preparation for this course.

Poziom trudności



Certyfikaty:

Uczestnicy otrzymają certyfikat podpisany przez The Linux Foundation.

Prowadzący:

Certyfikowany trener The Linux Foundation.

Informacje dodatkowe:

50-60 hours of self-study course material.

Video Content

12 Months of Access to Online Course

Discussion Forums