

Linux Certification Training Part I

Target Audience:

The Linux Certification Training is ment for people who want to administer Linux based systems. These trainings prepare for the certification by the Linux Professional Institute.

Prerequisites:

Experience with any operating system is helpful, but not mandatory. Subsequent trainings depend on prequels or the appropriate certification.

Part I:

- System Architecture
- Linux Installation and Package Management
- GNU and Unix Commands
- Devices, Linux Filesystems, Filesystem Hierarchy Standard

Contents

- Determine and configure hardware settings
- Boot the system, change runlevels and shutdown or reboot system
- Design hard disk layout
- Install a boot manager
- Manage shared libraries
- Use Debian package management
- Use RPM and YUM package management
- Work on the command line
- Process text streams using filters
- Perform basic file management
- Use streams, pipes and redirects
- Create, monitor and kill processes
- Modify process execution priorities
- Search text files using regular expressions
- Perform basic file editing operations using vi
- Create partitions and filesystems, maintain the integrity of filesystems
- Control mounting and unmounting of filesystems
- Manage disk quotas
- Manage file permissions and ownership
- Create and change hard and symbolic links
- Find system files and place files in the correct location