Linux – Installation

Course code: LXI1

his training course is intended for Linux operating system beginner administrators who need to install and administer the basic Linux system functions. The trainees will learn to install CentOS and the common tasks associated with administration and management of this system (disk installation and administration, user account administration, working with files, administration of installed packages, basic CentOS configuration).

Who is the course for

The training course is intended for computer system administrators who are beginning to work with or are switching over to the LINUX operating system. You will learn the installation and common tasks associated with its system administration and management

What we teach you

Trainees will learn to install CentOS and the common tasks associated with this system administration (disk installation and administration, user account administration, working with files, administration of installed packages, basic CentOS configuration).

Required skills

A basic knowledge of PC architecture and knowledge of OS operation and administration on the PC platform.

Course outline

Introduction
- History of UNIX and LINUX operating systems (BSD, System V)
- Philosophy of Unix-type operating systems, use, properties
- Standardization of POSIX, Single Unix Specification - SUS, Linux Standard Base - LSB
- Linux development, GNU project and Free Software Foundation, GPL license
- Alternatives to Linux, FreeBSD, OpenBSD, OpenSolaris and other systems
- Source of information and documentation
- Summary of Linux distribution and properties (RedHat, Debian, SUSE, Ubuntu, Mandriva, and others)

CentOS
- RedHat, Fedora, RHEL operating systems
- CentOS community system
- Distribution development cycle, CentOS support
- Installation options and types
- Installation medium review

Step-by-step CentOS installation
- Starting installation
- Hard disk partitioning, basic information about disk equipment in Linux, software RAID, LVM, file systems used (ext2, ext3, ext4, ReiserFS, JFS, XFS, etc.)
- Selecting installed packages
- Other installation procedure options and choices

Basic Administration and Management
- Directory structure overview, FHS
- Text and graphics mode, system login, basic system overview and review
- Midnight Commander, the basic tool for working with system files
- User account administration
- Files, ownership, access rights
- File systems, creating, checking and correcting, working with file systems

GOPAS

- Package administration, RPM Package Manager, YUM tool, repositories, updating, etc.

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