

IMPLEMENTATION OF BASIC LINUX COMMANDS

Ex.No: 1a

AIM

To execute various basic LINUX commands..

DESCRIPTION

Linux is well-known as a stable and reliable platform, providing database and trading services for companies like Amazon, the well-known online bookshop, US Post Office, and the German army. The LINUX operating system is built around the concept of a filesystem which is used to store all of the information that constitutes the long-term state of the system. This state includes the operating system kernel itself, the executable files for the commands supported by the operating system, configuration information, temporary workfiles, user data, and various special files that are used to give controlled access to system hardware and operating system functions.

Linux Virtual File System

What is its utility? Linux can be run as a process under Windows, etc.?

- Versatile and powerful file handling facility, designed to support a wide variety of file management systems and file structures.
- VFS presents a single, uniform file system interface to user processes.
- It defines a common file model that is capable of representing any conceivable file system's general feature and behavior.
- Assumes files are objects in a computer's mass storage that share basic properties regardless of the target file system or the underlying processor hardware.
- Files have symbolic names that allow them to be uniquely identified within a specific directory in the file system.
- A file has several properties including an owner, protection against unauthorized access or modification.

Linux Swap

The Linux swap partition is something you generally create once and then forget about. This is an amount of disk space in which Linux temporarily writes data from RAM to free up memory for other processes. The swap partition is different from all others in that it is not used to store files in, so it won't be dealt with in any further detail here. Windows and OS/2 partitions FAT partitions (vfat) FAT16 was the standard partition type

Open Source Lab Manual

**Warren Dolphin, David Vleck, Linda
Westgate, James Colbert**



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