



LINUX

FILES AND DIRECTORIES

/bin Contains system essential binaries.

/etc Contains system configuration files.

→ **/etc/default** Standard executables.

→ **/etc/rc.d** Avoids script duplication.

→ **/etc/x11** X-window configuration.

/home Home directory for standard users.

/opt Contains optional or add-on software.

/tmp Temporary space, cleared on reboot.

/usr User related programs.

→ **/usr/bin** Standard executables.

→ **/usr/games** Command line games.

→ **/usr/include** Files used by C programs.

→ **/usr/lib** Object files and libraries.

→ **/usr/local** User-installed executables.

→ **/usr/man** Stores manual pages.

→ **/usr/sbin** Commands for the super user.

→ **/usr/share** Architecture-independent files.

→ **/usr/source** Contains source codes.

/var Contains log files.

→ **/var/log** Directory for log files.

→ **/var/run** Info on running processes.

→ **/var/lock** Restricts shared resources.

→ **/var/lib** Dynamic data for applications.

→ **/var/tmp** Files that persist on reboot.

/boot Contains all boot-related file.

/dev Location of device files.

/lib Contains kernel modules.

/media Location of removable media devices.

/mnt Temporary mounting directories.

/proc Contains information about processes.

/run Stores volatile runtime data.

/sbin Contains binaries for an administrator.

/sys Kernel interface files.

System Configuration Files

/etc/aliases Configures email aliases.
/etc/bashrc System defaults and aliases.
/etc/crontab Time-scheduled commands (cronjob).
/etc/exports Network file system information.
/etc/fstab Disk drive and mount points.
/etc/group Security group information.
/etc/grub.conf Grub bootloader configuration.
/etc/init.d Service startup scripts.
/etc/lilo.conf Lilo bootloader configuration.
/etc/hostname System's hostname.
/etc/hosts IP and hostnames.
/etc/hosts.allow Allowed service access.
/etc/host.deny Denied service access.
/etc/inittab INIT process and run levels.
/etc/issue Pre-login message.
/etc/issue.net Pre-login message for remote sessions.
/etc/logrotate.conf Log configurations.
/etc/network Network interfaces and settings.
/etc/modules.conf System module configuration.
/etc/motd Message of the day.
/etc/mtab Info on currently mounted blocks.
/etc/passwd User information.
/etc/printcap Printer information.
/etc/profile Bash shell defaults.
/etc/profile.d Application startup scripts.
/etc/rc.local Custom system initialization tasks.
/etc/rc.d/init.d Run level scripts.
/etc/resolv.conf DNS configuration.
/etc/securetty Root login terminals.
/etc/selinux/config Configuration for SELinux access control.
/etc/shadow Encrypted user credentials.
/etc/ssh/sshd_config Configures OpenSSH.
/etc/skel New user home directories.
/etc/sudoers Sudo command configuration.
/etc/termcap Defines terminal behavior.

Process Files

/proc/cpuinfo CPU information.
/proc/filesystems Process details.
/proc/interrupts IRQ interrupts information.
/proc/ioproports I/O addresses used by devices.
/proc/meminfo Memory usage information.
/proc/modules Currently used kernel module.
/proc/mount Mounted filesystem information.
/proc/stat Detailed system statistics.
/proc/swaps Swap file information.
/proc/<PID> Information about a specific process.

Log Files

/var/log/apache2/access.log Apache access logs.
/var/log/apache2/error.log Apache error logs.
/var/log/auth.log Authentication-related logs.
/var/log/lastlog User's last login information.
/var/log/messages Global system messages.
/var/log/mysql/error.log MySQL database server logs.
/var/log/syslog System-wide log file.
/var/log/wtmp Login and logout history.
/var/run/utmp Current login status.

Miscellaneous

/var/spool/mail Contains email for local users.
/boot/grub/grub.cfg Configuration file for GRUB bootloader.