

### file/directory paths in linux

Path	Description
/	Root directory
/home	Home directories for users
/root	Home directory for the root user
/etc	System configuration files
/bin, /sbin	System binaries
/usr/bin, /usr/sbin	User-installed binaries
/var/log	System and application logs
/var/tmp	Temporary files that persist after a reboot
/var/www/html	Default Apache web root directory
/dev	Device files (e.g., /dev/null, /dev/sda)
/lib, /lib64	Shared libraries
/boot	Bootloader and kernel-related files
/mnt, /media	Mounted drives and removable media
/proc	Virtual file system for system processes
/sys	Kernel-related virtual filesystem
/tmp	Temporary files (cleared on reboot)
~/.ssh	SSH configuration files and keys
/etc/passwd	User account information
/etc/shadow	Encrypted password storage (root access required)
/etc/hosts	Local DNS resolution file
/etc/hostname	System hostname configuration
/etc/network/interfaces	Network interface configuration (Debian-based systems)
/etc/resolv.conf	DNS resolver configuration
/etc/fstab	Filesystem mount information

### the command line

sudo apt update	update package lists
sudo apt upgrade -y	upgrade installed packages
sudo apt install <package>	install a package
sudo systemctl restart <service>	restart a service
sudo systemctl enable <service>	enable service at boot
passwd <user>	change password
shutdown -h now	shut down system immediately
reboot	reboot the system



