

Kali Linux Commands Categorized

File Management

ls

List files in a directory

Example: ls -lah

cp

Copy files

Example: cp source.txt destination.txt

mv

Move or rename files

Example: mv old.txt new.txt

rm

Remove files

Example: rm file.txt

mkdir

Create a directory

Example: mkdir new_folder

rmdir

Remove a directory

Example: rmdir empty_folder

find

Search for files

Example: find / -name 'file.txt'

tar

Archive files

Example: tar -czvf archive.tar.gz directory/

Process Management

ps

View running processes

Example: ps aux

top

Display system tasks

Example: top

kill

Terminate a process

Example: kill 1234

killall

Terminate all instances of a program

Example: killall firefox

nice

Run a process with a specific priority

Example: nice -n 10 process

renice

Change priority of a running process

Example: renice 5 -p 1234

User Management

whoami

Display the current user

Example: whoami

who

Show who is logged in

Example: who

passwd

Change user password

Example: passwd

groupadd

Add a new group

Example: groupadd developers

useradd

Create a new user

Example: useradd -m username

usermod

Modify a user account

Example: usermod -aG sudo username

Networking

ping

Test network connectivity

Example: ping google.com

wget

Download files from the internet

Example: wget http://example.com/file.zip

scp

Secure copy files over SSH

Example: scp file.txt user@remote:/path/

ssh

Connect to a remote machine

Example: ssh user@remote_host

netstat

Display network connections

Example: netstat -tulnp

traceroute

Trace route to a host

Example: traceroute google.com

Disk and Storage

df

Display disk space usage

Example: df -h

du

Estimate file space usage

Example: du -sh folder/

mount

Mount a filesystem

Example: mount /dev/sdb1 /mnt/usb

umount

Unmount a filesystem

Example: umount /mnt/usb

fdisk

Partition table manipulator

Example: fdisk -l

mkfs

Create a filesystem

Example: mkfs.ext4 /dev/sdb1

System Monitoring

uptime

Show system uptime

Example: uptime

free

Show memory usage

Example: free -m

vmstat

Report system performance

Example: vmstat 1

iostat

Display CPU and I/O statistics

Example: iostat

dmesg

Print system logs

Example: dmesg | tail

Permissions and Ownership

chmod

Change file permissions

Example: chmod 755 script.sh

chown

Change file owner

Example: chown user:group file.txt

chgrp

Change group ownership

Example: chgrp developers file.txt

umask

Set default file permissions

Example: umask 022