



LINUX

File and Directory Management

ls List files in the current directory.
pwd Print the current working directory.
cd Change the current directory.
touch Create empty files.
mkdir Create new directories.
rmdir Remove empty directories.
rm Remove files.
cp Copy files.
mv Move or rename files.

Text and File Processing

cat Display file content.
more Display file content one screen at a time.
less Display file content with navigation.
nano A simple text editor.
vim A powerful text editor.
head Display the beginning of a file.
tail Display the end of a file.

File Integrity and Hashing

md5sum Compute MD5 message digest.
sha1sum Compute SHA-1 message digest.
sha256sum Compute SHA-256 message digest.

Archiving and Compression

tar Archive and compress files.
zip Create compressed zip archives.
unzip Extract files from zip archives.

Persona Management

whoami Show the current user.
su Switch to another user.
sudo Execute a command as a superuser.
passwd Change user password.
groupadd Add a new user group.
useradd Add a new user.
userdel Delete a user.
groups List group memberships.

Disk and Memory

df Display disk space usage.
du Display directory space usage.
free Display free and used memory.

Hardware and Devices

lspci List PCI devices.
lsusb List USB devices.
dmesg Display kernel ring buffer messages.
uname Display system information.

Process Management

ps List running processes.
kill Terminate processes.
top Display system resource usage.

Encryption

gpg Start GNU Privacy Guard.

Network Configurations

ifup Activate network interfaces.
ifdown Deactivate network interfaces.
iptables Configure firewall rules.
route Interact with the IP routing table.
ncat Network cat, a networking utility.
netcat Utility for network connections.
snmpwalk Retrieve SNMP information.
snmp-check Retrieve SNMP information.
whois Query whois databases.
traceroute Trace the route to a host.
curl Transfer data with URLs.
dig DNS lookup utility.
host DNS lookup tool.

Proxy and Anonymity

proxychains Force applications through a proxy.
tor Start the Tor network service.

Networking and Internet

ifconfig Display network interface information.
ping Send ICMP echo requests to a host.
netstat Display network statistics.
nc Netcat, a versatile networking utility.
ssh Secure Shell for remote access.
scp Securely copy files between hosts.
wget Download files from the internet.
curl Transfer data with URLs.

System

shutdown Shutdown the system.
reboot Reboot the system.

Penetration Testing

nmap Start Network Mapper (scanning).
hydra Brute-force attack tool.
john Password cracking tool.
sqlmap SQL injection testing tool.
msfconsole Metasploit Framework console.
nikto Web server scanner.
nbtscan NetBIOS scanner.
enum4linux SMB and NetBIOS retrieval tool.
enum.py Python script for SMB enumeration.
enum.sh Shell script for SMB enumeration.
enumplus Script for info on SMB shares.
searchsploit Search the Exploit Database.
exploit-db A repository of exploits.
gobuster File brute-forcing tool.

Miscellaneous

nohup Run a command immune to hangups.
bg Send a process to the background.
fg Bring a process to the foreground.
jobs List active jobs.
killall Kill processes by name.
crontab Schedule and manage cron jobs.
ldd List binary dynamic dependencies.
ldconfig Configure dynamic linker bindings.
updatedb Update the slocate database.
locate Search using slocate database.