Linux Command Cheat Sheet

Common

clear – clears current screen of all text
sudo command – run any command as root
sudo -s – open a shell as root
sudo -k – forget sudo password

System

date – show the current date and time
cal – show this month's calendar
uptime – show current uptime
w – display who is online
whoami – display current user
df – show disk usage
du – show directory space usage
free – show memory and swap usage
lsb_release -a – get ubuntu version
uname -r – get kernel version
uname -a – get all kernel info

File

ls – list all files in current directory
ls -al – list all file and info
ls -alR – list all file info in all subdirectory
ls -alR|more – same as -alR with pause on screen
ls *.py – list all file with .py
cd dirname – change directory to dirname
cd ~ - change to home directory
pwd – print working directory
mkdir dirname – make a directory named dirname
rm file1 – remove a file named file1
rm -f file1 – force remove file named file1
rm -r dir – remove directory
rm -rf dir – remove directory with all file in it
cp file1 file2 – copy file1 to file2
cp -r dir1 dir2 – copy directory dir1 to dir2
mv file1 file2 – move or rename file1 to file2
ln -s file1 link1 – create symbolic link of file1 named link1
touch file1 – create or update file1
more file1 – print content of file1
exit – logout of shell

File Permission

chmod permission file1 – change file permission
chmod 777 file1 – read, write, execute for all
chmod 755 file1 – read, write, execute for owner, read and execute for group and others

Service

service servicename start – start a service
service servicename stop – stop a service
service servicename status - check status of service

Network

ping host – ping host
whois domain – get whois info of domain
dig domain – get dns info of domain
dig -x host – reverse lookup host
wget file1 – download file1
wget -c file1 – continue a stopped download
ifconfig – show network info
iwconfig – show wireless networks
iwlist scan – scan for wireless networks

Compression

tar cf file1.tar file1 – create file1.tar from file1
tar czf file1.tar.gz file1 – create tar using gzip
tar xf file1.tar file1 – extract file1 from file1.tar
tar xzf file1.tar.gz file1 – extract tar with gzip

Firewall

ufw enable – enable firewall
ufw disable – disalbe firewall
ufw status – check current firewall status
ufw allow port – allow traffic on specific port
ufw deny port – deny traffic on specific port
ufw deny from ip – block ip address
ufw default allow – allow all connection by default
ufw default deny – drop all connection s by default

Package Manager

apt-get update – get available update info
apt-get upgrade – upgrade all packages
apt-get dist-upgrade – upgrade with package replacement; upgrade ubuntu version
apt-get install pkg – install package pkg
apt-get remove pkg – remove package pkg
apt-get purge pkg – remove package pkg
apt-get autoremove – remove obsolete package
apt-get -f install – try to fix broken package
dpkg -i pkg.deb – install file pkg.deb