

Linux Commands Cheat Sheet



File Operations

access	ln
basename	locate
cat	look
cksum	more
cmp	mv
compress	od
cp	paste
cpio	readlink
csplit	rename
cut	rev
diff	rm
diff3	shred
echo	sort
expand	split
file	tac
fold	tail
head	tar
join	touch
less	unexpand

Directory Operations

cd	lsblk
dir	mkdir
dirname	mount
dirs	pwd
du	rmdir
find	tree

File Permission & Ownership

chmod	chmod
chattr	chattr

User Management

chage	username
chfn	useradd
chsh	userdel
chpasswd	usermod
finger	users
id	who
passwd	whoami

Group Management

groupadd	gpasswd
groupdel	grpck
groupmod	grpconv
groups	

Process Management

accton	top
bg	htop
chrt	strace
fg	time
kill	watch
mpstat	vmstat
pidof	uptime
pmap	W
ps	

Package Management

apt	aptitude
apt-get	

Job Scheduling

atd	batch
atrm	cron
atq	crontab

Disk and File System

fdisk	fdisk
df	mount
dosfsck	restore
dump	sync
dumpe2fs	

Hardware and System Information

acpi	free
acpi	hdparm
available	hwclock
acpid	iostat
arch	iotop
dmesg	lsusb
dmidecode	lshw
dstat	uname

Kernel and Module Management

depmod	modinfo
insmod	rmmmod
lsmod	systemctl

System Control and Power

halt	reboot
poweroff	shutdown

Checksum and File Integrity

md5sum	sum
cksum	

Compression and Archiving

ar	gunzip
bzcmp	gzip
bzdiff	gzexe
bzgrep	zip
bzip2	zdiff
bzless	zgrep
bzmore	

Text Processing and Formatting

awk	egrep
aspell	fgrep
banner	fmt
bc	grep
col	sdiff
colcrt	sed
colrm	tr
column	unix2dos
dc	

Logging & Monitoring

journalctl	sar
last	script
history	scriptreplay

Date and Time

cal	uptime
date	

Printing and Media

amixer	cupsd
aplay	eject
aplaymidi	import

Mail and User Communication

biff	write
mailq	wall

Help and Documentation

apropos	man
help	whatis
info	which

Development & Build Automation

aclocal	CC
addr2line	cpp
autoconf	ctags
autoheader	g++
automake	gcc
autoreconf	gdb
autoupdate	ranlib
bison	readelf

Terminal and Session Management

agetty	showkey
chvt	stty
reset	tty
screen	xdg-open

Shell Built-in and Scripting

alias	fc
bind	function
break	for
builtin	if
case	let
continue	printf
declare	read
enable	return
env	select
eval	seq
exec	setsid
exit	shift
expect	source
export	type
expr	until
factor	while

Linux Shortcuts Cheat Sheet



IO Redirection Commands

cmd < file : Redirects the input of cmd to be read from file instead of the keyboard.
cmd > file : Redirects the standard output (stdout) of cmd to file, overwriting existing content.
cmd >> file : Appends the standard output (stdout) of cmd to the end of file.
cmd 2> file : Redirects the error output (stderr) of cmd to file.
cmd 2>&1 : Redirects stderr to the same destination as stdout.
cmd &> file : Redirects both stdout and stderr to file.
cmd 1>&2 : Redirects stdout to the same destination as stderr.
cmd > /dev/null : Discards the standard output by sending it to the null device.
cmd1 <(cmd2) : Uses the output of cmd2 as an input file for cmd1 (process substitution).

Environment Variable Commands

export VARIABLE_NAME=value : Sets and exports an environment variable so it is available to child processes.
echo \$VARIABLE_NAME : Displays the value of a specific environment variable.
env : Lists all environment variables currently set in the system.
unset VARIABLE_NAME : Removes or unsets an existing environment variable.
export -p : Shows a list of all currently exported environment variables.
env VARI=value COMMAND : Sets an environment variable temporarily for a specific command execution.
printenv : Displays the values of all environment variables or a specific one if provided.

Bash Shortcuts Commands

Navigation Shortcuts

Ctrl + A : Move to the beginning of the line
Ctrl + E : Move to the end of the line
Ctrl + B : Move back one character
Ctrl + F : Move forward one character
Alt + B : Move back one word
Alt + F : Move forward one word

Editing Shortcuts

Ctrl + U : Cut/delete text from the cursor to the beginning of the line
Ctrl + K : Cut/delete text from the cursor to the end of the line
Ctrl + W : Cut/delete the word before the cursor
Ctrl + Y : Paste the last cut text
Ctrl + L : Clear the terminal screen
Ctrl + C : Terminate the currently running command

History Shortcuts

Ctrl + R : Search command history (reverse search)
Ctrl + G : Exit history search mode
Ctrl + P : Go to the previous command in history
Ctrl + N : Go to the next command in history

Nano Shortcuts Commands

Search and Replace

Ctrl + W : Search for a string in the text
Alt + W : Search and replace a string
Alt + R : Repeat the last search

File Operations

Ctrl + O : Save (write) the current file
Ctrl + X : Exit Nano (prompts to save if the file is modified)
Ctrl + R : Read and insert another file into the current buffer

Navigation

Ctrl + Y : Scroll up one page
Ctrl + V : Scroll down one page
**Alt + ** : Go to a specific line number
Alt + , : Move to the beginning of the current line
Alt + . : Move to the end of the current line

Editing

Ctrl + K : Cut/delete text from the cursor to the end of the line
Ctrl + U : Uncut (paste) the last cut text
Ctrl + 6 : Mark a block of text for copying or cutting
Alt + 6 : Copy the marked block of text
Ctrl + K : Cut/delete the marked block of text
Ctrl + J : Justify (format) the current paragraph