Linux Commands Cheat Sheet

Keyboard S	Shortcute	Users an	d Groups	Fi	les	System N	/lanagement	Pro	cesses
Ctrl + C	Kill process running in the	id	See details about the	mkdir [directory_name]	Create a new directory.	uname -r	Show system information	ps	List active processes.
	terminal.		active users.	rm [file_name]	Remove a file.	uname 1	via uname command.	pstree	Show processes in a tree-
Ctrl + Z	Stop the current process. The process can be resumed in the foreground	last	Show the last system logins.	rm -r [directory_name]	Remove a directory	uname -a	See kernel release information.		like diagram.
	with fg or in the background background with bg.	who	Display who is currently logged into the system.	rm -rf [directory_name]	recursively. Recursively remove a	uptime	Display how long the system has been running,	pmap	Display a memory usage map of processes.
Ctrl + W	Cut one word before the	w	Show which users		directory without requiring confirmation.		including the load average.	top	See all running processes.
	cursor and add it to the clipboard.		are logged in and their activity.	cp [source_file] [destination_file]	Copy the contents of one file to another file.	hostname -i	View system hostname. Show the IP address of the	htop	Interactive and colorful process viewer.
Ctrl + U	Cut part of the line before the cursor and add it to the	finger [user_name]	Show user information.	cp -r [source_directory]	Recursively copy a		system.	kill [process_id]	Terminate a Linux process under a given ID.
Ctrl + K	clipboard. Cut part of the line after the	sudo useradd [user_name]	Create a new user account.	[destination_directory]	directory to a second directory.	last reboot date	List system reboot history. See current time and date.	pkill [process_name]	Terminate a process under
Cui + K	cursor and add it to the clipboard.	sudo adduser [user_name]	Create a new user account through the adduser	mv [source_file] [destination_file]	Move or rename files or directories.	timedatectl	Query and change	killall [label]	a specific name. Terminate all processes with
Ctrl + Y	Paste from clipboard.	sudo userdel [user_name]	command interface.	In -s [path]/[file_name]	Create a symbolic link to a		the system clock.	g	a given label.
Ctrl + R	Recall the last command that matches the provided	sudo usermod -aG	Modify user	[link_name] touch [file_name]	file. Create a new file.	cal	Show current calendar (month and day).	prgrep [keyword]	List processes based on the provided keyword.
	characters.	[group_name] [user_name]	information (add a user to a group).	cat [file_name]	Show the contents of a file.	w	List logged-in users.	pidof [process_name]	Show the PID of a process.
Ctrl + O	Run the previously recalled command.	passwd sudo passwd [user_name]	Change the current user's or another user's	cat [source_file] >> [destination_file]	Append file contents to another file.	whoami	See which user you are using.	bg	List and resume stopped jobs in the background.
Ctrl + G	Exit command history without running a		password.	head [file_name]	Show the first ten lines of a	finger [user_name]	Show information about a particular user.	fg	Bring the most recently suspended job to the
clear	command. Clear the terminal screen.	sudo groupadd [group_name]	Add a new group.	tail [file_name]	file. Show the last ten lines of a	ulimit [flags] [limit]	View or limit system	fg [job]	foreground. Bring a particular job to the
!!	Run the last command	sudo groupdel [group_name]	Delete a group.		file.	shutdown [hh:mm]	resource amounts. Schedule a system	ig (job)	foreground.
	again.	sudo groupmod -n [new_name] [old_name]	Modify a user group (change group name).	more [file_name]	Display contents of a file page by page.		shutdown.	Isof	List files opened by running processes.
exit	Log out of the current session.	sudo [command]	Temporarily elevate user	less [file_name]	Show the contents of a file with navigation.	shutdown now	Shut down the system immediately.	trap "[commands]" [signal]	Catch a system error signal in a shell script.
Sea	rching		privileges to superuser or root.	nano [file_name]	Open or create a file using	modprobe [module_name]	Add a new kernel module.		Executes provided commands when the signal
find [path] -name [search_pattern]	Find files and directories that match the	su - [user_name]	Switch the user account or become a superuser.	vi [file_name]	the nano text editor. Open or create a file using	dmesg	Show bootup messages.	wait	is caught. Pause the terminal or a
[scarcii_patterii]	specified pattern in a specified location.	chgrp [group_name] [file/	Change file or directory	vim [file_name]	the Vi/Vim text editor.	Ne	etwork	wait	Bash script until a running process is completed.
find [path] -size [+100M] See files and directories larger than a specified size	directory]	group.	gpg -c [file_name] gpg [file_name].gpg	Encrypt a file. Decrypt an	ip addr show	List IP addresses and	nohup [command] &	Run a Linux process in the
	in a directory.	SSH	Login		encrypted .gpg file.	ip address add	network interfaces. Assign an IP address to		background.
grep [search_pattern] [file_name]	Search for a specific pattern in a file with grep.	ssh [user_name]@[host]	Connect to a remote host as a user via SSH.	wc -w [file_name]	Show the number of words, lines, and bytes in a	[IP_address]	interface eth0.	_	Information
grep -r [search_pattern] [directory_name]	Recursively search for a pattern in a directory.	ssh [host]	Securely connect to a host via SSH default	ls xargs wc	file. List the number of lines/	ifconfig	Display IP addresses of all network interfaces.	lscpu Isblk	See CPU information. See information about
locate [name]	Locate all files and		port 22.		words/characters in each file in a directory.	ping [remote_host]	Ping remote host.		block devices.
	directories related to a particular name.	ssh -p [port] [user_name]@[host]	Connect to the host using a particular port.	cut -d [delimiter] [file_name]	Cut a section of a file and print the result to standard	netstat -pnltu	See active (listening) ports with the netstat command.	Ispci -tv	Show PCI devices in a tree- like diagram.
which [command]	Search the command path in	ssh-keygen	Generate SSH key pairs.		output.	netstat -tuln	Show TCP and UDP ports and their programs.	Isusb -tv	Display USB devices in a tree-like diagram.
	the \$PATH environment variable.	sudo service sshd start	Start SSH server daemon.	[data] cut -d [delimiter]	Cut a section of piped data and print the result to standard output.	whois [domain_name]	Display more information	lshw	List hardware configuration
whereis [command]	Find the source, binary, and manual page for a	scp [file_name] [user_name]@[host]:[rem	Securely copy files between local and	shred -u [file_name]	Overwrite a file to prevent	dig [domain_name]	about a domain. Show DNS information	cat /proc/cpuinfo	information. Show detailed CPU
out 'Sooreh nettern'	command.	ote_path]	remote systems via SSH.	diff first file!	its recovery, then delete it.	uig [domain_name]	about a domain using the dig command.		information.
awk '[search_pattern] {print \$0}' [file_name]	Print all lines matching a pattern in a file. See also the gawk command, the	sftp [user_name]@[host]	Interactive file transfer over encrypted SSH session	diff [first_file] [second_file]	Compare two files and display differences.	dig -x [domain_name]	Do a reverse DNS lookup	cat /proc/meminfo	View detailed system memory information.
	GNU version of awk.		using SFTP protocol.	source [file_name]	Read and execute the file content in the current shell.	dig -x [IP_address]	on the domain. Do a reverse DNS lookup of	cat /proc/mounts	See mounted file systems.
sed 's/[old_text]/ [new_text]/' [file_name]	Find and replace text in a specified file.	telnet [host]	Connect to the host via Telnet default port 23.	[command] tee [file_name] >/dev/null	Store the command output in a file and skip the		an IP address.	free -h	Display free and used memory.
Director	y Navigation	<u> </u>	23.	[me_mms, yas ymm	terminal output.	host [domain_name]	Perform an IP lookup for a domain.	sudo dmidecode	Show hardware information from the BIOS.
ls	List files and directories in	File Per	rmissions	Disk us	sage	hostname -I	Show the local IP address		Display disk data
ls -a	the current directory. List all files and directories	chmod 777 [file_name]	Assign read, write, and execute file permission to	df -h	Check free and used space on mounted	nslookup [domain_name]	Receive information about an internet domain.	[device_name] hdparm -tT /dev/	information. Conduct a read speed test
13 4	in the current directory (shows hidden files).	chmod 755 [file_name]	everyone (rwxrwxrwx). Give read, write, and	df -i	systems. Show free inodes on	File Con	npression	[device_name] badblocks -s /dev/	on the device/disk.
ls -l	List files and directories in long format.	,	execute permission to owner, and read and	611.1	mounted file systems.	tar cf [archive.tar] [file/ directory]	Archive an existing file or directory.	[device_name]	Test for unreadable blocks on the device/disk.
pwd	Show the directory you		execute permission to group and others (rwxr-xr-x).	fdisk -l	Display disk partitions, sizes, and types with the command.	tar xf [archive.tar]	Extract an archived file.	fsck /dev/[device_name]	unmounted disk or
cd	are currently working in. Change	chmod 766 [file_name]	Assign full permission to	du -ah	See disk usage for all files	tar czf [archive.tar.gz]	Create a . <i>gz</i> compressed tar archive.		partition.
cd ~	directory to \$HOME.		the owner, and read and write permission to the group and others	du -sh	and directories. Show disk usage of the	gzip [file_name]	Compress or	Shell C	ommands
cd	Move up one directory level.		(rwxrw-rw-).		current directory.	gunzip [file_name.gz] bzip2 [file_name]	decompress . <i>gz</i> files. Compress or decompress	alias [alias- name]='[command]'	Create an alias for a command.
cd -	Change to the previous directory.	chown [user_name] [file_name]	Change the ownership of a file with chown command.	mount	Show currently mounted file systems.	bunzip2 [file_name.bz2]		watch -n [interval-in- seconds] [command]	Set a custom interval to run a user-defined
cd [directory_path]	Change location to a	chown	Change the owner and	findmnt	Display target mount point for all file systems.	File 1	Transfer Transfer	sleep [time-interval] &&	command.
dirs	specified directory. Show current directory	[user_name]:[group_nam e] [file_name]	group ownership of a file.	mount [device_path] [mount_point]	Mount a device.	scp [source_file] [user]@[remote_host]:[c	Copy a file to a server le directory securely.	sleep [time-interval] && [command]	Postpone the execution of a command.
	stack.	Packages (Red H	at, CentOS, Fedora)		Universal	stination_path]	Synchronize the contents	at [hh:mm]	Create a job to be executed at a certain time
	ebian/Ubuntu)	sudo yum install	Install a package using	Packages (tar zxvf [file_name.tar.gz]	Install software	[source_directory] [user]@[remote_host]:[c	of a directory with a		(Ctrl+D to exit prompt after command).
sudo apt-get install [package_name]	Install an APT package using the apt-get package utility.	[package_name]	the YUM package manager.	cd [extracted_directory] ./configure make	from source code.	stination_directory] wget [link]	Download files from FTP	man [command]	Display a built-in manual for a command.
sudo apt install	Install an APT package	yum search [keyword]	Find a package in the YUM repositories based	make install	Install a Snap package.		or web servers.	history	Print the command history used in the
[package_name]	using a newer APT package manager.	yum list installed	on the provided keyword. List all packages installed	[package_name]		curl -O [link]	Transfer data to or from a server with various protocols.		terminal.
apt search [keyword]	Search for a package in the APT repositories.		with YUM.	sudo snap find [keyword]	Search for a package in the Snap store.	ftp [remote_host]	Transfer files between	Val	iables
apt list	List packages installed with APT.	yum info [package_name	Show package information for a package.	sudo snap list	List installed Snap packages.		local and remote systems interactively using FTP.	let "[variable_name]=[value	Assign an integer value to a variable.
apt show	Show information about a	sudo dnf install	Install a package using	flatpak install	Install a Flatpak package.	sftp [user]@[remote_host]	Securely transfer between local and remote hosts	export [variable_name]	
[package_name] sudo dpkg -i	package. Install a . <i>deb</i> package with	[package_name]	the DNF package manager.	[package_name] flatpak search [keyword]	Search for a Flatpak	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	using SFTP.	declare [variable-name] = "[value]"	Declare a Bash variable.
[package_name.deb]	the Debian package with manager.	sudo rpm -i [package_name.rpm]	Install a . <i>rpm</i> package from a local file.		application in repositories.			set	List the names of all the
sudo dpkg -l	List packages installed			flatpak list	List installed Flatpack packages.				shell variables and functions.
	with dpkg.							unset [variable_name]	Remove an environment variable.
								echo \$[variable-name]	Display the value of a variable.
									, reconstructs