

	d Shortcuts		Users and Groups		Files		System Management		Processes	
Ctrl + C	Kill process running in the terminal.	id	See details about the active users.	mkdir [directory_name] rm [file_name]	Create a new directory. Remove a file.	uname -r	Show system information via uname command.	ps pstree	List active processes. 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 recursively.	uname -a	See kernel release information.		like diagram.	
	with fg or in the background with bg .	who	Display who is currently logged into the system.	rm -rf [directory_name]	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 cursor and add it to the	w	Show which users are logged in and their		directory without requiring confirmation.	hostname	including the load average. View system hostname.	top	See all running processes. Interactive and colorful	
Ctrl + U	dipboard. Cut part of the line before	finger [user_name]	activity. Show user information.	cp [source_file] [destination_file]	Copy the contents of one file to another file.	hostname -i	Show the IP address of the system.	kill [process_id]	process viewer. Terminate a Linux	
Carro	the cursor and add it to the dipboard.	sudo useradd [user_name]	Create a new user account.	cp -r [source_directory] [destination_directory]	Recursively copy a directory to a second	last reboot	List system reboot history.		process under a given ID.	
Ctrl + K	Cut part of the line after the cursor and add it to the	sudo adduser	Create a new user account	mv [source_file]	directory. Move or rename files or	date	See current time and date.	pkill [process_name]	Terminate a process under a specific name.	
Ctrl + Y	dipboard. Paste from dipboard.	[user_name]	through the adduser command interface.	[destination_file] In -s [path]/[file_name]	directories. Create a symbolic link to a	timedatect	Query and change the system clock.	killall [label]	Terminate all processes with a given label.	
Ctrl + R	Recall the last command that matches the provided	sudo userdel [user_name]	Delete a user account. 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 command.	sudo groupadd	password. Add a new group.	head [file_name]	Show the first ten lines of a file.	finger [user_name]	Show information about a particular user.	fg	Bring the most recently suspended job to the foreground.	
clear	Clear the terminal screen.	[group_name] sudo groupdel	Delete a group.	tail [file_name]	Show the last ten lines of a file.	ulimit [flags] [limit]	View or limit system resource amounts.	fg [job]	Bring a particular job to the	
Ш	Run the last command again.	[group_name]		more [file_name]	Display contents of a file	shutdown [hh:mm]	Schedule a system shutdown.	Isof	foreground. List files opened by running	
exit	Log out of the current session.	sudo groupmod -n [new_name] [old_name]	Modify a user group (change group name).	less [file_name]	page by page. Show the contents of a file	shutdown now	Shut down the system immediately.	trap "[commands]"	processes. Catch a system error	
Sea	rching	sudo [command]	Temporarily elevate user privileges to superuser or root.	nano [file_name]	with navigation. Open or create a file using	modprobe [module_name]	Add a new kernel module.	[signal]	signal in a shell script. Executes provided commands when the signal	
find [path] -name	Find files and directories that match the	su - [user_name]	Switch the user account or become a superuser.	_	the nano text editor.	dmesg	Show bootup messages.	weit	is caught.	
[search_pattern]	directories that match the specified pattern in a specified location.	chgrp [group_name] [file/	Change file or directory	vi [file_name] vim [file_name]	Open or create a file using the Vi/Vim text editor.	Ne	etwork	wait	Pause the terminal or a 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 network interfaces.	nohup [command] &	Run a Linux process in the background.	
grep [search_pattern]	in a directory. Search for a specific		Login	wc -w [file_name]	encrypted .gpg file. Show the number of	ip address add	Assign an IP address to	Hardware	Information	
[file_name]	pattern in a file with grep.	ssh [user_name]@[host]	Connect to a remote host as a user via SSH.	wc -w [iiie_iiaiie]	words, lines, and bytes in a file.	[IP_address] ifconfig	interface eth0 . Display IP addresses of all	Iscpu	See CPU 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 port 22.	ls xargs wc	List the number of lines/ words/characters in each	ping [remote_host]	network interfaces. Ping remote host.	lsblk	See information about block devices.	
locate [name]	Locate all files and directories related to a particular name.	ssh -p [port]	Connect to the host using a particular port.	cut -d [delimiter]	file in a directory. Cut a section of a file and	netstat -pnltu	See active (listening) ports	Ispci -tv	Show PCI devices in a tree- like diagram.	
which [command]	Search the command	[user_name]@[host] ssh-keygen	Generate SSH key pairs.	[file_name]	print the result to standard output.	netstat -tu n	with the netstat command. Show TCP and UDP ports	Isusb -tv	Display USB devices in a	
	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	whois [domain_name]	and their programs. Display more information	Ishw	tree-like diagram. 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]	standard output. Overwrite a file to prevent	dig [domain_name]	about a domain. Show DNS information	cat /proc/cpuinfo	information. Show detailed CPU	
awk '[search_pattern]	command. Print all lines matching a	ote_path] sftp [user_name]@[host]	remote systems via SSH. Interactive file transfer	diff [first file]	its recovery, then delete it. Compare two files and		about a domain using the dig command.	cat/proc/meminfo	information. View detailed system	
{print \$0}' [file_name]	pattern in a file. See also the gawk command, the GNU version of awk .	sith faser_name]@[nost]	over encrypted SSH session	[second_file] source [file_name]	display differences. Read and execute the file	dig -x [domain_name]	Do a reverse DNS lookup on the domain.		memory information.	
sed 's/[old_text]/	Find and replace text in a	telnet [host]	using SFTP protocol. Connect to the host		content in the current shell.	dig -x [IP_address]	Do a reverse DNS lookup of an IP address.	cat /proc/mounts free -h	See mounted file systems. Display free and used	
[new_text]/' [file_name]	specified file.		via Telnet default port 23.	[command] tee [file_name] >/dev/null	Store the command output in a file and skip the terminal output.	host [domain_name]	Perform an IP lookup for a domain.	sudo dmidecode	memory. Show hardware information	
Directory	Navigation List files and directories in	File Pe	rmissions	Disk	Usage	hostname -I	Show the local IP address	hdparm-i/dev/	from the BIOS. Display disk data	
	the current directory.	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	
ls -a	List all files and directories 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 Co	ompression	[device_name]	on the device/disk.	
Is -I	List files and directories in long format.	dimed 755 pile Statile)	execute permission to owner, and read and	fdisk -l	mounted file systems. Display disk partitions,	tar cf [archive.tar] [file/ directory]	Archive an existing file or directory.	badblocks -s /dev/ [device_name]	Test for unreadable blocks on the device/disk.	
pwd	Show the directory you		execute permission to group and others (rwxr-xr-x).	TUISK -I	sizes, and types with the command.	tar xf [archive.tar]	Extract an archived file.	fsck /dev/[device_name]	Run a disk check on an unmounted disk or partition.	
cd	are currently working in.	chmod 766 [file_name]	Assign full permission to the owner, and read and	du -ah	See disk usage for all files and directories.	tar czf [archive.tar.gz]	Create a .gz compressed tar archive.	Shall C	ommands	
cd ~	directory to \$HOME Move up one directory		write permission to the group and others (rwxrw-rw-).	du -sh	Show disk usage of the current directory.	gzip [file_name] gunzip [file_name.gz]	Compress or decompress .gz files.	alias [alias-	Create an alias for a	
cd -	level. Change to the previous	chown [user_name] [file_name]	Change the ownership of a file with chown	mount	Show currently mounted file systems.	bzip2 [file_name] bunzip2 [file_name.bz2	Compress or decompress] .bz2 files.	name]='[command]' watch -n [interval-in-	command. Set a custom interval to	
cd [directory_path]	directory. Change location to a		command.	findmnt	Display target mount		Transfer	seconds] [command]	run a user-defined command.	
	specified directory.	chown [user_name]:[group_nam e] [file_name]	Change the owner and group ownership of a file.	mount [device_path]	point for all file systems. Mount a device.	scp [source_file] [user]@[remote_host]:[c	Copy a file to a server	sleep [time-interval] && [command]	Postpone the execution of a command.	
dirs	Show current directory stack.		lat, CentOS, Fedora)	[mount_point]		stination_path]		at [hh:mm]	Create a job to be executed at a certain time	
	ebian/Ubuntu)	sudo yum install	Install a package using the YUM package	Packages tar zxvf [file_name.tar.gz]	(Universal)	rsync -a [source_directory] [user]@[remote_host]:[c	Synchronize the contents of a directory with a le backup directory.		(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]	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 [package_name]	Install an APT package using a newer APT	yum search [keyword]	Find a package in the YUM repositories based on the provided keyword.	make install sudo snap install	Install a Snap package.	curl -O [link]	or web servers. Transfer data to or from a	history	Print the command history used in the terminal	
	package manager.	yum list installed	List all packages installed with YUM.	[package_name] sudo snap find [keyword]	Search for a package in	- S (min)	server with various protocols.	N/av	riables	
apt search [keyword]	Search for a package in the APT repositories.	yum info [package_name		sudo snap list	the Snap store. List installed Snap	ftp [remote_host]	Transfer files between local and remote systems	let	Assign an integer value to	
apt list	List packages installed with APT.	1.14	package.		packages.	sftp	interactively using FTP. Securely transfer between	"[variable_name]=[value] export [variable_name]		
apt show [package_name]	Show information about a package.	sudo dnf install [package_name]	Install a package using the DNF package manager.	flatpak install [package_name]	Install a Flatpak package.	[user]@[remote_host]	local and remote hosts using SFTP.	declare [variable-name]=		
sudo dpkg -i [package_name.deb]	Install a .deb package with the Debian package	sudo rpm -i [package_name.rpm]	Install a .rpm package from a local file.	flatpak search [keyword]	Search for a Hatpak application in repositories.			"(value)" set	List the names of all the	
sudo dpkg -l	manager. List packages installed	3-2		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	