

## Linux Commands Cheat Sheet

variable.

Keyboard 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]	Create a new directory.	uname -r	Show system information via uname command.	ps	List active processes.
Ctrl + Z	Stop the current process.	last	Show the last system	rm [file_name]	Remove a file.	uname -a	See kernel release	pstree	Show processes in a tree- like diagram.
	resumed in the foreground with <b>fg</b> or in the	who	Display who is currently	rm -r [directory_name]	recursively.	uptime	Display how long the	pmap	Display a memory usage map of processes.
Ctrl + W	background with <b>bg</b> .	w	logged into the system. Show which users	rm -rf [directory_name]	Recursively remove a directory without requiring confirmation		system has been running, including the load average.	top	See all running processes.
Cur + w	cursor and add it to the clipboard.		are logged in and their activity.	cp [source_file]	Copy the contents of one	hostname	View system hostname.	htop	Interactive and colorful process viewer.
Ctrl + U	Cut part of the line before	finger [user_name]	Show user information.	[destination_file]	file to another file. Recursively copy a	hostname -i	Show the IP address of the system.	kill [process_id]	Terminate a Linux
	clipboard.	sudo useradd [user_name]	Create a new user account.	[destination_directory]	directory to a second directory.	last reboot	List system reboot history.	pkill [process_name]	Terminate a process under
Ctrl + K	cut part of the line after the 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. Delete a user account.	In -s [path]/[file_name] [link_name]	Create a symbolic link to a file	cal	the system clock.	praren [keyword]	a given label.
Ctrl + R	Recall the last command that matches the provided	sudo usermod -aG	Modify user	touch [file_name]	Create a new file.		(month and day).		provided keyword.
Ctrl + O	characters. Run the previously recalled	[user_name]	a group).	cat [file_name]	Show the contents of a file.	whoami	List logged-in users. See which user you are	pidof [process_name]	Show the PID of a process. List and resume stopped
Ctrl + G	command.	passwd sudo passwd [user_name]	Change the current user's or another user's password.	cat [source_file] >> [destination_file]	Append file contents to another file.	finger [user name]	using.		jobs in the background.
	without running a command.	sudo groupadd	Add a new group.	head [file_name]	Show the first ten lines of a file.		particular user.	fg	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 foreground.
!!	Run the last command again.	[group_name]	Modify a user group	more [file_name]	Display contents of a file	shutdown [hh:mm]	Schedule a system shutdown.	lsof	List files opened by running
exit	Log out of the current session.	[new_name] [old_name]	(change group name).	less [file_name]	Show the contents of a file	shutdown now	Shut down the system immediately.	trap "[commands]"	Catch a system error
Sea	rchina	sudo [command]	rivileges 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	su - [user_name]	Switch the user account or		the nano text editor.	dmesg	Show bootup messages.		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	twork	wait	Pause the terminal or a Bash script until a running process is completed.
find [path] -size [+100M]	See files and directories	directory]	group.	gpg -c [file_name]	Encrypt a file.	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	Assign an IP address to	Hordwara	
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 file.	[IP_address]	interface <b>eth0</b> .	Ischu	See CPUL 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	List the number of lines/	licolling	network interfaces.	lsblk	See information about
locate [name]	Locate all files and directories related to a	ssh -p [port]	port 22. Connect to the host		file in a directory.	ping [remote_host]	Ping remote host. See active (listening) ports	lspci -tv	block devices. Show PCI devices in a tree-
which [command]	particular name. Search the command	[user_name]@[host]	using a particular port.	cut -d [delimiter] [file_name]	Cut a section of a file and print the result to standard output		with the netstat command.	lauch tu	like diagram.
	path in the <b>\$PATH</b> environment	sudo service sshd start	Start SSH	[data]   cut -d [delimiter]	Cut a section of piped data	netstat -tuin	and their programs.		tree-like diagram.
whereis [command]	Find the source, binary,	scp [file_name]	server daemon. Securely copy		standard output.	whois [domain_name]	Display more information about a domain.	lshw	List hardware configuration information.
	and manual page for a command.	[user_name]@[host]:[rem ote_path]	files between local and remote systems via SSH.	shred -u [file_name]	Overwrite a file to prevent its recovery, then delete it.	dig [domain_name]	Show DNS information about a domain using	cat/proc/cpuinfo	Show detailed CPU information.
awk '[search_pattern] {print \$0}' [file_name]	Print all lines matching a pattern in a file. See also	sftp [user_name]@[host]	Interactive file transfer over encrypted SSH	diff [first_file] [second_file]	Compare two files and display differences.	dig -x [domain_name]	the dig command. Do a reverse DNS lookup	cat /proc/meminfo	View detailed system memory information.
	the gawk command, the GNU version of <b>awk</b> .		session using SFTP protocol.	source [file_name]	Read and execute the file content in the current shell.	dig -y [IP address]	on the domain.	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	[command]   tee	Store the command output		an IP address.	free -h	Display free and used memory.
Directory	Navigation		23.		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 Pe	rmissions	Disk	Usage	hostname -I	Show the local IP address	hdparm -i /dev/	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 systems	[domain_name]	an internet domain.	hdparm -tT /dev/	Conduct a read speed test
	in the current directory (shows hidden files).	chmod 755 [file_name]	Give read, write, and	df -i	Show free inodes on	File Co	mpression	[device_name] badblocks -s /dev/	on the device/disk. Test for unreadable blocks
ls -l	List files and directories in long format.		execute permission to owner, and read and execute permission to	fdisk -l	Display disk partitions,	tar cf [archive.tar] [file/ directory]	Archive an existing file or directory.	[device_name]	on the device/disk.
pwd	Show the directory you are currently working in.		group and others ( <b>rwxr-xr-x</b> ).		sizes, and types with the command.	tar xf [archive.tar]	Extract an archived file.		unmounted disk or partition.
cd cd ~	Change directory to <b>\$HOMF</b>	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 . <i>gz</i> compressed tar archive.	Shell C	ommands
cd	Move up one directory		group and others (rwxrw-rw-).	du -sh	Show disk usage of the current directory.	gzip [file_name] gunzip [file_name.gz]	Compress or decompress . <i>gz</i> files.	alias [alias-	Create an alias for a
cd -	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.	watch -n [interval-in-	Set a custom interval to
cd [directory path]	directory. Change location to a	ch our	command.	findmnt	Display target mount	File 1	Fransfer	seconds] [command]	run a user-defined command.
ea [an eetory_patri]	specified directory.	[user_name]:[group_nam e] [file_name]	group ownership of a file.	mount [device_path]	Mount a device.	scp [source_file]	Copy a file to a server	sleep [time-interval] && [command]	Postpone the execution of a command.
airs	snow current directory stack.	Packages (Red H	at, CentOS, Fedora)	[mount_point]		stination_path]		at [hh:mm]	Create a job to be executed at a certain time
Packages (D	ebian/Ubuntu)	sudo yum install	Install a package using	Packages	(Universal)	rsync -a [source_directory] [user]@[remote_host]:[d	Synchronize the contents of a directory with a e backup directory.		( <b>Ctrl+D</b> to exit prompt after command).
sudo apt-get install [package_name]	Install an APT package using the apt-get	[package_name]	the YUM package manager.	cd [extracted_directory] ./configure make	from source code.	stination_directory]	Download files from ETD	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 Snan nackago	wyet [IIIIK]	or web servers.	history	Print the command history used in the
[package_name]	using a newer APT package manager.	yum list installed	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.	yum info Ipackage name	with YUM. ] Show package	sudo snap find [keyword]	Search for a package in the Snap store.	ftp [remote_host]	Transfer files between	Var	iables
apt list	List packages installed with APT.	, passage_nume	information for a package.	sudo snap list	List installed Snap packages.		interactively using FTP.	let "[variable_name]=[value]	Assign an integer value to " a variable.
apt show	Show information about a	sudo dnf install [package_name]	Install a package using the DNF package	flatpak install [package_name]	Install a Flatpak package.	sftp [user]@[remote_host]	Securely transfer between local and remote hosts using SETP	export [variable_name]	Export a Bash variable.
sudo dpkg -i	Install a . <i>deb</i> package with	sudo rom -i	manager. Install a <i>.rnm</i> package	flatpak search [keyword]	Search for a Flatpak application in repositories			"[value]"	Declare a Dasti VallaDie.
[package_name.deb]	the Debian package manager.	[package_name.rpm]	from a local file.	flatpak list	List installed Flatpack			set	List the names of all the shell variables and functions.
sudo dpkg -l	List packages installed with dpkg.				раскадеѕ.			unset [variable_name]	Remove an environment
								echo \$[variable-name]	Display the value of a