

Hardware Information		Searching		File Commands		System Management and Info		Disk Usage	
dmesg	Show bootup messages	grep [pattern] [file]	Search for a pattern in a file	ls	List files in the directory	uname -r	Show system information	df -h	Show free space on system
cat /proc/cpuinfo	Show CPU information	grep -r [pattern] [directory]	Search a pattern recursively	ls -a	List files, include hidden files	uname -a	Show kernel release info	df -l	Show free nodes on system
free -h	Show free and used memory	locate [name]	Search for files & directories	pwd	Show current directory	uptime	Show uptime length/avg. load	fdisk -l	Disk partition types and sizes
lshw	Hardware configuration info	find [/location] -name [x]	List items beginning with [x]	mkdir [name]	Create a directory	hostname	Show system hostname	du -ah	Show disk usage for all files
lsblk	Block devices info	find [/location] -size [+100M]	List items larger than 100MB	rm [file]	Remove a file	hostname -l	Show system IP address	du -sh	Show disk usage for current directory
lspci -tv	Tree-diagram of PCI devices	File Transfer		rm -r [directory]	Recursively remove directory	last reboot	Show reboot history	findmnt	Show target mount point
lsusb -tv	Tree-diagram of USB devices	scp [file.txt] [server/tmp]	Securely copy file to server	rm -rf [directory]	Force remove directory	date	Show current time and date	mount [device] [mount_point]	Mount a device
dmidecode	Show BIOS hardware info	rsync -a [/location] [/backup/]	Sync the contents of a location with the backup directory	cp [file1] [file2]	Copy file1 to file2	timedatectl	Manage the system clock	Variables	
hdparm -i /dev/[disk]	Show disk data info			cp -r [directory1] [directory2]	Copy directory1 to directory2	cal	Show current day and month	let "[variable]=[value]"	Assign integer value to var
hdparm -T /dev/[disk]	Disk read speed test			mv [filename1] [filename2]	Rename a file	whoami	Show current user	export [variable]	Export a Bash variable
badblocks -s /dev/[disk]	Unreadable blocks test			ln -s [/path/file] [link]	Create a symbolic link to file	finger [username]	Show user information	declare [variable]="[value]"	Declare a Bash variable
File Compression		Process Related		touch [file]	Create a new file	ulimit [flags] [limit]	View or limit system resources	set	List variables and functions
tar cf [file.tar] [file]	Create a tar file from a file	ps	Show active process snapshot	more [file]	Show file contents	shutdown [hh:mm]	Schedule a system shut down	echo \$[variable]	Display value of the variable
tar xf [file.tar]	Extract archived file	pstree	Show processes as a tree	head [file]	Show first 10 lines of a file	shutdown now	Shut down immediately	Shell Command Management	
tar czf [file.tar.gz]	Create a gzip tar file	pmap	Show process memory usage	tail [file]	Show last 10 lines of a file	modprobe [module-name]	Add a new kernel module	alias [alias]=[command]	Create command alias
gzip [file]	Create a gz compressed file	top	Show all running processes	gpg -c [file]	Encrypt a file	ip addr show	Show IP addresses	watch -n [interval] [command]	Set interval to run a command
Package Installation		kill [process_id]	Kill the process by ID	gpg [file.gpg]	Decrypt a file	ifconfig	Show all network interfaces	sleep [interval] && [command]	Postpone command execution
yum search [keyword]	Find a package by a keyword	pkill [process_name]	Kill the process by name	wc	Count words/lines/bytes	netstat -pnltu	Show active listening ports	at [hh:mm]	Schedule a job
yum info [package]	Package info & summary	killall [process_name]	Kill all processes by name	ls xargs wc	Words/lines/bytes in directory	netstat -nutp	Show tcp and udp ports	man [command]	Display command manual
yum install [package.rpm]	Install a package with YUM	bg	List background processes	cut -d[delimiter] [file]	Cut file section and print	whois [domain]	Show domain information	history	Print command history
dnf install [package.rpm]	Install a package with DNF	fg	Most recent suspended job to foreground	[data] cut -d[delimiter]	Cut data section and print	dig [domain]	Show domain's DNS info	Keyboard Shortcuts	
rpm -i [package.rpm]	Install a local rpm package	fg [job]	Bring [job] to foreground	awk '[pattern] {print \$0}' [file]	Print lines matching a pattern	dig -x [host]	Domain reverse lookup	Ctrl + C	Kill current process
rpm -e [package.rpm]	Remove an rpm package	lsof	List files opened by processes	shred -u [file]	Overwrite and delete a file	dig -x [ip]	IP address reverse lookup	Ctrl + Z	Stop process (can be resumed)
apt install [package]	Install a package with APT	trap "[commands]" [signal]	Execute command on signal	diff [file1] [file2]	Compare two files	host [domain]	IP lookup for a domain	Ctrl + W	Cut the word before the cursor
tar zxvf [source_code.tar.gz]	Install software from source code	wait	Pause terminal until process completes	source [file]	Compile from source code	hostname -l	Show local IP address	Ctrl + U	Cut part of the line before the cursor
cd [source_code]		nohup [command] &	Run a process in background	[command] tee [filename] >/dev/null	Store command output to a file, skip terminal output	wget [file_url]	Download a file from url	Ctrl + K	Cut part of the line after the cursor
./configure		File Permission				curl -O [file_url]	Download a file from url	Ctrl + Y	Paste from clipboard
make		chmod 777 [file]	File read, write, execute permissions to everyone	id	Show active user details	nslookup [domain]	Show domain information	Ctrl + R	Recall last command
make install		chmod 755 [file]	Full permission to owner, read permissions for others	last	Show last system logins	Directory Navigation		Ctrl + O	Run the recalled command
SSH Login		chmod 766 [file]	Full permission to owner, read and write for others	who	Show who is logged in	cd ..	Move up one level	Ctrl + G	Exit command history
ssh [user]@[host]	Connect to host as user	chown [user] [file]	Change file ownership	w	Show logged users and activity	cd	Change directory to \$HOME	!!	Repeat the last command
ssh [host]	Connect to host via port 22	chown [user]:[group] [file]	Change file owner and group	groupadd [group]	Add a new group	cd [/location]	Change to specified directory	exit	Log out of the session