



| Keyboard Shortcuts | | Users and Groups | | Files | | System Management | | Processes | |
|--|--|---|--|---|--|--|--|---|--|
| Ctrl + C | | id | See details about the | | Create a new directory. | uname -r | Show system information | | List active processes. |
| Ctri + C | Kill process running in the terminal. | | active users. | mkdir [directory_name] rm [file_name] | Remove a file. | uname -r | via uname command. | ps pstree | Show processes in a tree- |
| Ctrl + Z | Stop the current process. The process can be | last | Show the last system logins. | rm -r [directory_name] | Remove a directory | uname -a | See kernel release information. | , | like diagram. |
| | resumed in the foreground with fg or in the | who | Display who is currently logged into the system. | rm of (disastery name) | recursively. | uptime | Display how long the system has been running, | pmap | Display a memory usage map of processes. |
| Ctrl + W | background with bg . Cut one word before the | w | Show which users | rm -rf [directory_name] | Recursively remove a 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] | Copy the contents of one file to another file. | hostname | View system hostname. | 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. | [destination_file] cp -r [source_directory] | Recursively copy a | hostname -i | Show the IP address of the system. | kill [process_id] | Terminate a Linux process under a given ID. |
| | 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. | date | See current time and date. Query and change | killall [label] | a specific name. Terminate all processes with |
| Ctrl + Y | Paste from clipboard. | and a model force and | command interface. | In -s [path]/[file_name] | Create a symbolic link to a | | the system clock. | | a given label. |
| Ctrl + R | Recall the last command that matches the provided | sudo userdel [user_name] 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 |
| | command. | sudo groupadd [group_name] | Add a new group. | | file. | ulimit [flags] [limit] | View or limit system | | foreground. |
| clear | Clear the terminal screen. Run the last command | sudo groupdel [group_name] | Delete a group. | tail [file_name] | Show the last ten lines of a file. | shutdown [hh:mm] | resource amounts. Schedule a system | fg [job] | Bring a particular job to the 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. | dutter on | 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 the nano text editor. | modprobe [module_name] | Add a new kernel module. | | Executes provided commands when the signal |
| find [path] -name [search_pattem] | Find files and directories that match the | su - [user_name] | Switch the user account or become a superuser. | vi [file_name] | Open or create a file using | dmesg | Show bootup messages. | wait | is caught. Pause the terminal or a |
| | specified pattern in a specified location. | chgrp [group_name] [file/ directory] | Change file or directory group. | vim [file_name] | the Vi/Vim text editor. | Ne | twork | | 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. |
| (| in a directory. | _ | Login | | encrypted .gpg file. | ip address add | Assign an IP address to | Hardware | Information |
| grep [search_pattem] [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 (1100). 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 | Is xargs wc | List the number of lines/ | | network interfaces. | Isblk | See information about |
| locate [name] | Locate all files and directories related to a | ssh -p [port] | port 22. Connect to the host | | words/characters in each file in a directory. | ping [remote_host] netstat -pnltu | Ping remote host. See active (listening) ports | Ispci -tv | block devices. Show PCI devices in a tree- |
| ushigh (games and) | particular name. | [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. | | like diagram. |
| which [command] | Search the command path in the \$PATH environment | ssh-keygen sudo service sshd start | Generate SSH key pairs. Start SSH | [data] cut -d [delimiter] | Cut a section of piped data | netstat -tuln | Show TCP and UDP ports and their programs. | Isusb -tv | Display USB devices in a tree-like diagram. |
| whereis [command] | variable. Find the source, binary, | scp [file_name] | server daemon. Securely copy | | and print the result to standard output. | whois [domain_name] | Display more information about a domain. | Ishw | 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 awk . | | session using SFTP protocol. | source [file_name] | Read and execute the file content in the current shell. | | 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 | [command] tee | Store the command output | dig -x [IP_address] | an IP address. | free -h | Display free and used memory. |
| Directory | Navigation | | 23. | [file_name] >/dev/null | in a file and skip the terminal output. | host [domain_name] | Perform an IP lookup for a domain. | sudo dmidecode | Show hardware information from the BIOS. |
| Is | List files and directories in | File Per | 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 | nslookup [domain_name] | Receive information about an internet domain. | [device_name] hdparm -tT /dev/ | information. Conduct a read speed test |
| 13 -0 | in the current directory (shows hidden files). | chmod 755 [file_name] | everyone (NVXPVXPVX). Give read, write, and | df -i | systems. Show free inodes on | File Co | mpression | [device_name] | on the device/disk. Test for unreadable blocks |
| Is -I | List files and directories in long format. | | execute permission to owner, and read and | fdisk -l | mounted file systems. | tar cf [archive.tar] [file/ directory] | Archive an existing file or directory. | [device_name] | on the device/disk. |
| pwd | Show the directory you | | execute permission to group and others (NXXF-XF-X), | Talsk -I | Display disk partitions, 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 | du -ah | See disk usage for all files and directories. | tar czf [archive.tar.gz] | Create a . gz compressed tar archive. | | |
| cd ~ | directory to \$HOME. | | the owner, and read and write permission to the group and others | du -sh | Show disk usage of the | gzip [file_name] | Compress or decompress .az files. | _ | ommands |
| cd | Move up one directory level. | chown [user_name] | (NW/FW-PW-). Change the ownership of | mount | current directory. Show currently mounted | gunzip [file_name.gz] bzip2 [file_name] | Compress or decompress | alias [alias- name]='[command]' | Create an alias for a command. |
| cd - | Change to the previous directory. | [file_name] | a file with chown command. | | file systems. | bunzip2 [file_name.bz2] | | watch -n [interval-in- seconds] [command] | Set a custom interval to run a user-defined command. |
| cd [directory_path] | Change location to a specified directory. | | Change the owner and group ownership of a file. | findmnt | Display target mount point for all file systems. | File 1 | Copy a file to a server | sleep [time-interval] && | Postpone the |
| dirs | Show current directory stack. | e] [file_name] | | mount [device_path] [mount_point] | Mount a device. | [user]@[remote_host]:[de stination_path] | | [command] at [hh:mm] | execution of a command. Create a job to be |
| Packages (Red Hat, CentOS, Fedora) Packages (Debian/Ubuntu) | | | Packages (Universal) | | rsync -a [source_directory] | Synchronize the contents of a directory with a | | executed at a certain time (CFH) D to exit prompt after command). | |
| sudo apt-get install | Install an APT package | sudo yum install [package_name] | Install a package using the YUM package manager. | tar zxvf [file_name.tar.gz] cd [extracted_directory] | Install software from source code. | [user]@[remote_host]:[de stination_directory] | | man [command] | Display a built-in |
| [package_name] | using the apt-get package utility. | yum search [keyword] | Find a package in the | ./configure make make install | | wget [link] | Download files from FTP or web servers. | history | manual for a command. Print the command |
| sudo apt install [package_name] | Install an APT package using a newer APT | | YUM repositories based on the provided keyword. | sudo snap install [package_name] | Install a Snap package. | curl -O [link] | Transfer data to or from a server with various | , | history used in the terminal. |
| apt search [keyword] | package manager. Search for a package in | yum list installed | List all packages installed with YUM. | sudo snap find [keyword] | Search for a package in the Snap store. | | protocols. | Var | iables |
| apt list | the APT repositories. List packages installed | yum info [package_name | information for a | sudo snap list | List installed Snap | ftp [remote_host] | Transfer files between local and remote systems interactively using FTP. | let "[variable_name]=[value] | Assign an integer value to a variable. |
| apt show | with APT. Show information about a | sudo dnf install | package. Install a package using | flatpak install | packages. Install a Flatpak package. | sftp [user]@[remote_host] | Securely transfer between local and remote hosts | export [variable_name] | Export a Bash variable. |
| [package_name] | package. | [package_name] | the DNF package manager. | [package_name] flatpak search [keyword] | Search for a Flatpak | (===, e [10.1.316_11031] | using SFTP. | declare [variable-name] = "[value]" | Declare a Bash variable. |
| sudo dpkg -i [package_name.deb] | Install a .deb package with the Debian package 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 shell variables and |
| sudo dpkg -l | List packages installed with dpkg. | | | flatpak list | List installed Flatpack packages. | | | uncet (variable nam-1 | functions. Remove an environment |
| | | | | | | | | unset [variable_name] | variable. |
| | | | | | | | | echo \$[variable-name] | Display the value of a variable. |