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Unix/Linux Command Reference

File Commands	
1. ls	Directory
2. ls -al	Formatte
3. ls -lt	Sorting tl
4. cd dir	Change directory to dir
5. cd	Change to home directory
6. pwd	Show current working directory
7. mkdir dir	Creating a directory dir
8. cat >file	Places the standard input into the file
9. more file	Output the contents of the file
10. head file	Output the first 10 lines of the file
11. tail file	Output the last 10 lines of the file
12. tail -f file	Output the contents of file as it grows,starting with the last 10 lines
13. touch file	Create or update file
14. rm file	Deleting the file
15. rm -r dir	Deleting the directory
16. rm -f file	Force to remove the file
17. rm -rf dir	Force to remove the directory dir
18. cp file1 file2	Copy the contents of file1 to file2
19. cp -r dir1 dir2	Copy dir1 to dir2:create dir2 if not present
20. mv file1 file2	Rename or move file1 to file2,if file2 is an existing directory
21. ln -s file link	Create symbolic link link to file
Process management	
1. ps	To display the currently working processes
2. top	Display all running process

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## Linux Commands List PDF

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Linux commands is a popular alternative to Microsoft Windows, and if you choose to use this low-cost or free operating system, you need to know some basic Linux commands to configure, operate, and interact with your system smoothly.

Understanding the most basic **Linux commands** will allow you to successfully navigate directories, manipulate files, change permissions, display information such as disk space, and more. Obtaining basic knowledge of the most common commands will help you easily execute tasks via the command line. When dealing with the Linux operating system, commands are required as inputs to inform or direct a computer program to perform a specific operation.

## Linux Commands List PDF

Command	Description
cat [filename]	Display file's contents to the standard output device (usually your monitor).
cd /directorypath	Change to directory.
chmod [options] mode filename	Change a file's permissions.
chown [options] filename	Change who owns a file.
clear	Clear a command line screen/window for a fresh start.
cp [options] source destination	Copy files and directories.
date [options]	Display or set the system date and time.
df [options]	Display used and available disk space.
du [options]	Show how much space each file takes up.
file [options] filename	Determine what type of data is within a file.
find [pathname] [expression]	Search for files matching a provided pattern.
grep [options] pattern [filename]	Search files or output for a particular pattern.
kill [options] pid	Stop a process. If the process refuses to stop, use kill -9 pid.
less [options] [filename]	View the contents of a file one page at a time.

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mkdir [options] directory	Create a new directory.
mv [options] source destination	Rename or move file(s) or directories.
passwd [name [password]]	Change the password or allow (for the system administrator) to change any password.
ps [options]	Display a snapshot of the currently running processes.
pwd	Display the pathname for the current directory.
rm [options] directory	Remove (delete) file(s) and/or directories.
rmdir [options] directory	Delete empty directories.
ssh [options] user@machine	Remotely log in to another Linux machine, over the network. Leave an ssh session by typing <b>exit</b> .
su [options] [user [arguments]]	Switch to another user account.
tail [options] [filename]	Display the last <i>n</i> lines of a file (the default is 10).
tar [options] filename	Store and extract files from a tarfile (.tar) or tarball (.tar.gz or .tgz).
top	Displays the resources being used on your system. Press q to exit.
touch filename	Create an empty file with the specified name.
who [options]	Display who is logged on.

## Top 50 Linux Commands PDF

1. **ls** – The most frequently used command in Linux to list directories
2. **pwd** – Print working directory command in Linux
3. **cd** – Linux command to navigate through directories
4. **mkdir** – Command used to create directories in Linux
5. **mv** – Move or rename files in Linux
6. **cp** – Similar usage as mv but for copying files in Linux
7. **rm** – Delete files or directories
8. **touch** – Create blank/empty files
9. **ln** – Create symbolic links (shortcuts) to other files
10. **cat** – Display file contents on the terminal
11. **clear** – Clear the terminal display



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18. **grep** – Search for a string within an output
19. **head** – Return the specified number of lines from the top
20. **tail** – Return the specified number of lines from the bottom
21. **diff** – Find the difference between two files
22. **cmp** – Allows you to check if two files are identical
23. **comm** – Combines the functionality of diff and cmp
24. **sort** – Linux command to sort the content of a file while outputting
25. **export** – Export environment variables in Linux
26. **zip** – Zip files in Linux
27. **unzip** – Unzip files in Linux
28. **ssh** – Secure Shell command in Linux
29. **service** – Linux command to start and stop services
30. **ps** – Display active processes
31. **kill and killall** – Kill active processes by process ID or name
32. **df** – Display disk filesystem information
33. **mount** – Mount file systems in Linux
34. **chmod** – Command to change file permissions
35. **chown** – Command for granting ownership of files or folders
36. **ifconfig** – Display network interfaces and IP addresses
37. **traceroute** – Trace all the network hops to reach the destination
38. **wget** – Direct download files from the internet
39. **ufw** – Firewall command
40. **iptables** – Base firewall for all other firewall utilities to interface with
41. **apt, pacman, yum, rpm** – Package managers depending on the distro
42. **sudo** – Command to escalate privileges in Linux
43. **cal** – View a command-line calendar
44. **alias** – Create custom shortcuts for your regularly used commands
45. **dd** – Majorly used for creating bootable USB sticks
46. **whereis** – Locate the binary, source, and manual pages for a command
47. **whatis** – Find what a command is used for
48. **top** – View active processes live with their system usage
49. **useradd and usermod** – Add new user or change existing users data
50. **passwd** – Create or update passwords for existing users



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3.	kill pid	Kill the process with given pid
4.	killall proc	Kill all the process named proc
5.	pkill pattern	Will kill all processes matching the pattern
6.	bg	List stopped or background jobs,resume a stopped job in the background
7.	fg	Brings the most recent job to foreground
8.	fg n	Brings job n to the foreground
File permission		
1.	chmod octal file	Change the permission of file to octal,which can be found separately for user,group,world by adding, <ul style="list-style-type: none"><li>• 4-read(r)</li><li>• 2-write(w)</li><li>• 1-execute(x)</li></ul>
Searching		
1.	grep pattern file	Search for pattern in file
2.	grep -r pattern dir	Search recursively for pattern in dir
3.	command   grep pattern	Search pattern in the output of a command
4.	locate file	Find all instances of file
5.	find . -name filename	Searches in the current directory (represented by a period) and below it, for files and directories with names starting with filename
6.	pgrep pattern	Searches for all the named processes , that matches with the pattern and, by default, returns their ID
System Info		
1.	date	Show the current date and time
2.	cal	Show this month's calender
3.	uptime	Show current uptime
4.	w	Display who is on line
5.	whoami	Who you are logged in as

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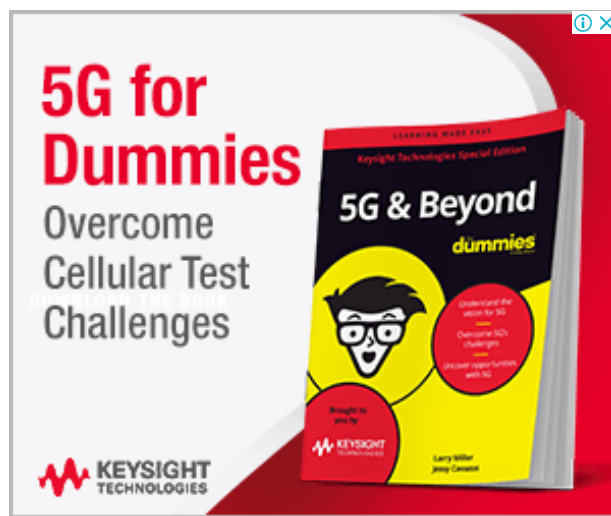
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