Directory

000

cd

navigate through files and directories

cd...

move one directory up cd-

move to your previous directory pwd

show the directory currently working in rmdir

delete a directory and its contents

mkdir [directory]

create a new directory

scp [file_name.txt] [server/tmp]

securely copy a specific file to a server directory

rsync -a [/your/directory] [/backup/]

synchronize the contents of a specific directory with a backup directory

Disk Usage

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df

get a report on the system's disk space usage

du

check the disk space usage of a file or directory fdisk -l

show disk partitions, sizes, and types

du -ah

show disk usage for all files and directory

du -sh

show disk usage of the current directory findmnt

show target mount point for all filesystems

File Commands



Is

list files in a directory Is -R

list all files in the sub-directories s-a

list all hidden files

Is -al

list all files and directories with detailed information like permissions, size, owner, etc

cat

list the contents of a file on standard output cat > filename

creates a new file

diff

compare the contents of two files line by line

tar

archive multiple files into a common Linux file format

cat filename 1 filename 2 > filename 3

joins two files (1 and 2) and stores the output in a new file (3)

tar xf [compressed_file. tar]

extract archived file

cat filename | tr a-z A-Z >output.txt

convert a file to upper or lower case

tar czf [compressed_file.tar.gz

create a gzip-compressed tar file

tar cf [compressed_file. tar] [file_name] create an archived file from a file

gzip [file_name]

compress a file with the .gz extension

chmod

change the read, write, and execute permissions of files and directories

chown

change or transfer file ownership

rm [file_name]
remove a file

Linux Commands

File Command	sk								000	
rm -r [directory_ remove a directory recur	rm -rf [directory_name] remove a directory recursively without requiring confirmation				p	WC print the number of words, lines, and bytes in a file				
cp copy files from the current directory to a different directory			cp [file_name1] [file_name2 copy the contents of the first file to the second file				2]	wget download files from the internet		
cp -r [directory_ recursively copy the con									mv to move or rename files	
mv [file_name1] [file_name2] rename file_name1 to file_name2				In -s /path/to/[file_name] [link_name] create a symbolic link to a file						
			ore [file_name] head [file show the first			e_ it 10	e_name] t 10 lines of a file			
tail [file_name] gpg show the last 10 lines of a file encr			g -c [file_name] gpg [file_ rypt a file decrypt a file			_n:	_name.gpg]			
sudo perform tasks that need administrative or root permissions		to search for a file			find to locate files within a directory		in	jobs display current jobs		
kill terminate an unresponsive program	review	story riew the commands u entered before			print information about			sh	man show manual instructions of Linux commands	
zip compress files into a zip archive	unzip extract zipped files from a zip archive						sh	ps show a snapshot of active processes		
echo move data into a file	hostname know the name of your host/network				ping check connectivity to a server					

Network		717	000	
ip addr show show IP addresses and network interfaces	ifconfig show IP addresses of all network interfaces	netstat -pnltu show active ports	netstat -nutlp show more information about a domain	
whois [domain] show more information about a domain	dig [domain] show DNS information about a domain	host [domain] do an IP lookup for a domain		



Linux Commands

System	000			
uname -r	last reboot			
show system	show system			
information	reboot history			
timedatectl	date			
query and change	show current			
the system clock	time and date			
hostname -i show the IP address of the system	uptime show how long the system has been running, including load average			

id			
show details of the user	passwd add a password to a user's account		
useradd create a new user	last show last logins		

Keyboard	Shortcuts				000		
Ctrl + E move to the end of the line	Ctrl + A move to the beginning of the line		Ctrl + C stop and terminate the current command	cut	Ctrl + W cut one word before the cursor and add it to the clipboard		
TAB autofill typing	Ctrl + Q unfreeze the terminal		Ctrl + Z pause the command		Ctrl + S freeze the terminal		
Ctrl + U cut part of the line before the cursor and add it to the clipboard Ctrl + R recall the last command that matches the provided characters		cut p	' + K part of the line after the cu add it to the clipboard	Ctrl + Y paste from clipboard			
		exit (I + G command history without ing a command	Ctrl + O run the previously recalled command			
!! repeat the last con	nmand	exi	t ut of the current session				