Linux Cheat Sheet

mv file1 file2 => Renames file1 to file2
ln -s file link => Creates a symbolic link to file name

https://images.linoxide.com/linux_cheat_sheet.pdf https://www.linode.com/docs/guides/ https://manned.org/bg via tldr:

https://www.gnu.org/software/coreutils/manual via tldr

=> Creates a new file

=> Places standard input into a file

=> Displays the first 10 lines of a file

=> Displays the last 10 lines of a file

=> Outputs the contents of a file

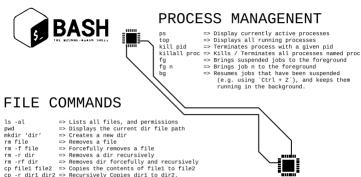
touch file

more file

head file

tail file

cat > file



FILE PERMISSIONS

chown owner file	chmod		
└Change file owner	BIN	OCT	PER
·	000	0	_
chmod octal filename	001	1	-×
—Change file permissions	010	2	- W -
OCT	011	3	-WX
chmod 664 file	100	4	r-
	101	5	r-x
PER	110	6	rw-
chmod u=rw,g=rw,o=r file	111	7	rwx
chmod a+rwx.u-x.g-x.o-wx file	RWX		

SECURE SHELL

ssh user@host => Securely connect to host as user
ssh -p port user@host => Securely connect to host using a specified port
ssh host => Securely connect to the system via SSH default port 22

SYSTEM INFO

=> Displays IP addresses and all the network interfaces in addr show in address add in/nort dev eth0 => Assigns TP address in to interface eth0 => Displays IP addresses of all network interfaces ifconfig => ping command sends an ICMP echo request to establish ping host a connection to server / PC => Petrieves more information about a domain name whois domain => Retrieves DNS information about the domain niemoh nih => Performs reverse lookup on a domain dig -x host => Performs an IP lookup for the domain name host accale.com => Displays local TP address hostname -i => Downloads a file from an online source wget file name => Displays all active listening ports netstat -pnltu

SEARCHING

grep 'pattern' files => Search for a given pattern in files => Search for a given pattern in a given directory locate file => Find all instances of the file ps aux | grep 'name' => Searches for the id of the process 'name'

NETWORK => Displays Linux system information emenu => Displays kernel release information uname - r => Displays how long the system has been running including load average uptime => Shows the system hostname hostname => Displays the IP address of the system hostname -i => Shows system reboot history last reboot => Displays current system date and time etsh => Ouerv and change the System clock timedatect1 => Displays the current calendar month and day [63 => Displays currently logged in users in the system => Displays who you are logged in as whoami finger username => Displays information about the user => Displays free space on mounted systems df -h

du -sh => Displays disk usage in the current directory in a human-readable format

=> Displays free inodes on filesystems

=> Shows disk partitions, sizes, and types

df -i fdisk -l