Linux By shubaham

shubham@Shubhams-MBP Downloads % sudo ssh -i "linux-for-devops-key. pem" ubun

tu@ec2-18-189-188-6.us-east-2. compute.amazonaws.com

# SSH INTO EC2 ISNTACE

deep@DESKTOP-JFJ21I5:~$ date

Sun Feb 16 08:22:02 UTC 2025

deep@DESKTOP-JFJ21I5:~$ ls

deep@DESKTOP-JFJ21I5:~$ mkdir devops

deep@DESKTOP-JFJ21I5:~$ ls

devops

deep@DESKTOP-JFJ21I5:~$ ls -l

total 4

drwxr-xr-x 2 deep deep 4096 Feb 16 08:22 devops

deep@DESKTOP-JFJ21I5:~$ pwd

/home/deep

deep@DESKTOP-JFJ21I5:~$ touch newfile.txt

deep@DESKTOP-JFJ21I5:~$ ls

devops newfile.txt

deep@DESKTOP-JFJ21I5:~$ mkdir cloud

deep@DESKTOP-JFJ21I5:~$ ls

cloud devops newfile.txt

deep@DESKTOP-JFJ21I5:~$ cd devops

deep@DESKTOP-JFJ21I5:~/devops$ pwd

/home/deep/devops

deep@DESKTOP-JFJ21I5:~/devops$ cd ..

deep@DESKTOP-JFJ21I5:~$ pwd

/home/deep

deep@DESKTOP-JFJ21I5:~$ cd ..

deep@DESKTOP-JFJ21I5:/home$ pwd

/home

deep@DESKTOP-JFJ21I5:/home$ cd ..

deep@DESKTOP-JFJ21I5:/$ pwd

/

deep@DESKTOP-JFJ21I5:/$ ls

Docker bin.usr-is-merged dev home lib lib64 media opt root sbin snap sys usr

bin boot etc init lib.usr-is-merged lost+found mnt proc run sbin.usr-is-merged srv tmp var

deep@DESKTOP-JFJ21I5:/$ cd bin

deep@DESKTOP-JFJ21I5:/bin$ ls

NF docker landscape-broker pr systemd-inhibit

X11 docker-compose landscape-client preconv systemd-machine-id-setup

deep@DESKTOP-JFJ21I5:/bin$ pwd

/bin

deep@DESKTOP-JFJ21I5:/bin$ cd /home/deep/devops/

deep@DESKTOP-JFJ21I5:~/devops$ pwd

/home/deep/devops

deep@DESKTOP-JFJ21I5:~/devops$ ls

deep@DESKTOP-JFJ21I5:~/devops$ touch devops\_file.txt

deep@DESKTOP-JFJ21I5:~/devops$ ls

devops\_file.txt

deep@DESKTOP-JFJ21I5:~/devops$ pwd

/home/deep/devops

deep@DESKTOP-JFJ21I5:~/devops$ ls

devops\_file.txt

deep@DESKTOP-JFJ21I5:~/devops$ rm devops\_file.txt

deep@DESKTOP-JFJ21I5:~/devops$ ;s

-bash: syntax error near unexpected token `;'

deep@DESKTOP-JFJ21I5:~/devops$ ls

deep@DESKTOP-JFJ21I5:~/devops$ cd ..

deep@DESKTOP-JFJ21I5:~$ ls

cloud devops newfile.txt

deep@DESKTOP-JFJ21I5:~$ rm cloud/

rm: cannot remove 'cloud/': Is a directory

deep@DESKTOP-JFJ21I5:~$ rm -r cloud/

deep@DESKTOP-JFJ21I5:~$ ls

devops newfile.txt

devops newfile.txt

deep@DESKTOP-JFJ21I5:~$ rmdir devops/

deep@DESKTOP-JFJ21I5:~$ ls

newfile.txt

deep@DESKTOP-JFJ21I5:~$ ls

newfile.txt

deep@DESKTOP-JFJ21I5:~$ pwd

/home/deep

deep@DESKTOP-JFJ21I5:~$ touch demo-file.txt

deep@DESKTOP-JFJ21I5:~$ ls

demo-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$ cat demo-file.txt

deep@DESKTOP-JFJ21I5:~$ echo "heelo world" > demo-file.txt

deep@DESKTOP-JFJ21I5:~$ cat demo-file.txt

heelo world

deep@DESKTOP-JFJ21I5:~$ echo "hello brothers"

hello brothers

deep@DESKTOP-JFJ21I5:~$ echo "this is my file" > my-file.txt

deep@DESKTOP-JFJ21I5:~$ ls

demo-file.txt my-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$ cat my-file.txt

this is my file

deep@DESKTOP-JFJ21I5:~$ head my-file.txt

this is my file

deep@DESKTOP-JFJ21I5:~$ tail my-file.txt

this is my file

deep@DESKTOP-JFJ21I5:~$ tail -f my-file.txt

this is my file

^C

**$ To check logs we use tail –f , show only last line**

deep@DESKTOP-JFJ21I5:~$ less my-file.txt

deep@DESKTOP-JFJ21I5:~$

**$ Show in pages , pages of files**

deep@DESKTOP-JFJ21I5:~$ ls

demo-file.txt my-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$ pwd

/home/deep

deep@DESKTOP-JFJ21I5:~$ mkdir devops

deep@DESKTOP-JFJ21I5:~$ ls

demo-file.txt devops my-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$ cp newfile.txt devops

deep@DESKTOP-JFJ21I5:~$ cd devops

deep@DESKTOP-JFJ21I5:~/devops$ ls

newfile.txt

deep@DESKTOP-JFJ21I5:~/devops$ cd ..

deep@DESKTOP-JFJ21I5:~$ cd devops

deep@DESKTOP-JFJ21I5:~/devops$ touch devops-file.txtr

deep@DESKTOP-JFJ21I5:~/devops$ ls

devops-file.txtr newfile.txt

deep@DESKTOP-JFJ21I5:~/devops$ cd ..

deep@DESKTOP-JFJ21I5:~$ ls

demo-file.txt devops my-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$ pwd

/home/deep

deep@DESKTOP-JFJ21I5:~$ mkdir cloud

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops my-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$ cp devops/devops-file.txtr cloud

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops my-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$ cd cloud

deep@DESKTOP-JFJ21I5:~/cloud$ ls

devops-file.txtr

deep@DESKTOP-JFJ21I5:~/cloud$ cp -r cloud/ devops/

cp: cannot stat 'cloud/': No such file or directory

deep@DESKTOP-JFJ21I5:~/cloud$ cd ..

deep@DESKTOP-JFJ21I5:~$ cp -r cloud/ devops.

deep@DESKTOP-JFJ21I5:~$ cp -r cloud/ devops/

deep@DESKTOP-JFJ21I5:~$ cd devops

deep@DESKTOP-JFJ21I5:~/devops$ ls

cloud devops-file.txtr newfile.txt

deep@DESKTOP-JFJ21I5:~/devops$

**$ Copy cloud to devops folder**

deep@DESKTOP-JFJ21I5:~/devops$ ls

cloud devops-file.txtr newfile.txt

deep@DESKTOP-JFJ21I5:~/devops$ my newfile.txt ../cloud/

my: command not found

deep@DESKTOP-JFJ21I5:~/devops$ my newfile.txxt ../cloud

my: command not found

deep@DESKTOP-JFJ21I5:~/devops$ mv newfile.txxt ../cloud

mv: cannot stat 'newfile.txxt': No such file or directory

deep@DESKTOP-JFJ21I5:~/devops$ cd ..

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops devops. my-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$ cd devops

deep@DESKTOP-JFJ21I5:~/devops$ ls

cloud devops-file.txtr newfile.txt

deep@DESKTOP-JFJ21I5:~/devops$ rm cloud

rm: cannot remove 'cloud': Is a directory

deep@DESKTOP-JFJ21I5:~/devops$ rmdir cloud

rmdir: failed to remove 'cloud': Directory not empty

deep@DESKTOP-JFJ21I5:~/devops$ cd cloud

deep@DESKTOP-JFJ21I5:~/devops/cloud$ ls

devops-file.txtr

deep@DESKTOP-JFJ21I5:~/devops/cloud$ rm devops-file.txtr

deep@DESKTOP-JFJ21I5:~/devops/cloud$ ls

deep@DESKTOP-JFJ21I5:~/devops/cloud$ rmdir cloud

rmdir: failed to remove 'cloud': No such file or directory

deep@DESKTOP-JFJ21I5:~/devops/cloud$ cd ..

deep@DESKTOP-JFJ21I5:~/devops$ rmdir cloud

deep@DESKTOP-JFJ21I5:~/devops$ ls

devops-file.txtr newfile.txt

deep@DESKTOP-JFJ21I5:~/devops$ mv newfile.txt ../cloud/

deep@DESKTOP-JFJ21I5:~/devops$ ls

devops-file.txtr

deep@DESKTOP-JFJ21I5:~/devops$ cd ..

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops devops. my-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$ cd cloud

deep@DESKTOP-JFJ21I5:~/cloud$ ls

devops-file.txtr newfile.txt

deep@DESKTOP-JFJ21I5:~/cloud$

deep@DESKTOP-JFJ21I5:~$ mv devops/ linux\_for devops

mv: cannot move 'devops/' to a subdirectory of itself, 'devops/devops'

mv: cannot stat 'linux\_for': No such file or directory

deep@DESKTOP-JFJ21I5:~$ mv devops/ linux\_for\_devops

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. linux\_for\_devops my-file.txt newfile.txt

deep@DESKTOP-JFJ21I5:~$

/mv or rename a file

deep@DESKTOP-JFJ21I5:~$ cat my-file.txt

this is my file

deep@DESKTOP-JFJ21I5:~$ wc my-file.txt

1 4 16 my-file.txt

deep@DESKTOP-JFJ21I5:~$ ls -l

total 20

drwxr-xr-x 2 deep deep 4096 Feb 16 09:18 cloud

-rw-r--r-- 1 deep deep 12 Feb 16 08:55 demo-file.txt

drwxr-xr-x 2 deep deep 4096 Feb 16 09:12 devops.

drwxr-xr-x 2 deep deep 4096 Feb 16 09:18 linux\_for\_devops

-rw-r--r-- 1 deep deep 16 Feb 16 08:56 my-file.txt

-rw-r--r-- 1 deep deep 0 Feb 16 08:23 newfile.txt

deep@DESKTOP-JFJ21I5:~$ cd linux\_for\_devops

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls

devops-file.txtr

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ echo "hello-dosto" > devops-file.txtr

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ cat devops-file.txtr

hello-dosto

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ pwd

/home/deep/linux\_for\_devops

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ln hard-link /home/deep/linux\_for\_devops

ln: failed to access 'hard-link': No such file or directory

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$

$ hard link bana diya like shortcut create kar diya for folder access

deep@DESKTOP-JFJ21I5:~$ ln -s /home/deep/linux\_for\_devops/devops-file.txtr softlink-file

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. linux\_for\_devops my-file.txt newfile.txt softlink-file

deep@DESKTOP-JFJ21I5:~$ cat softlink-file

hello-dosto

deep@DESKTOP-JFJ21I5:~$

$ container file location ,soft link contain path locations

Main file delete then softfllink also delte , hard link diff

cloud demo-file.txt devops. linux\_for\_devops my-file.txt newfile.txt softlink-file

deep@DESKTOP-JFJ21I5:~$ cat my-file.txt

this is my file

deep@DESKTOP-JFJ21I5:~$ cut -b 1 myfile.txt

cut: myfile.txt: No such file or directory

deep@DESKTOP-JFJ21I5:~$ cut -b 1 my-file.txt

t

deep@DESKTOP-JFJ21I5:~$ echo "hello" | tee

hello

deep@DESKTOP-JFJ21I5:~$ echo "hello" | tee hello.txt

hello

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt softlink-file

deep@DESKTOP-JFJ21I5:~$ cat hello.txt

hello

deep@DESKTOP-JFJ21I5:~$ sort hello.txt

hello

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt softlink-file

deep@DESKTOP-JFJ21I5:~$ diff hello.txt my-file.txg

diff: my-file.txg: No such file or directory

deep@DESKTOP-JFJ21I5:~$ diff hello.txt my-file.txt

1c1

< hello

---

> this is my file

deep@DESKTOP-JFJ21I5:~$ vi my-file.txt

# press I for insertion

deep@DESKTOP-JFJ21I5:~$ cat my-file.txt

this is my fil

this is awesome please

thank you

deep@DESKTOP-JFJ21I5:~$ vim my-file.txt

deep@DESKTOP-JFJ21I5:~$

deep@DESKTOP-JFJ21I5:~$ ssh

usage: ssh [-46AaCfGgKkMNnqsTtVvXxYy] [-B bind\_interface] [-b bind\_address]

[-c cipher\_spec] [-D [bind\_address:]port] [-E log\_file]

[-e escape\_char] [-F configfile] [-I pkcs11] [-i identity\_file]

[-J destination] [-L address] [-l login\_name] [-m mac\_spec]

[-O ctl\_cmd] [-o option] [-P tag] [-p port] [-R address]

[-S ctl\_path] [-W host:port] [-w local\_tun[:remote\_tun]]

destination [command [argument ...]]

ssh [-Q query\_option]

$ SSH client information

deep@DESKTOP-JFJ21I5:~$ df

Filesystem 1K-blocks Used Available Use% Mounted on

none 4040124 0 4040124 0% /usr/lib/modules/5.15.167.4-microsoft-standard-WSL2

none 4040124 4 4040120 1% /mnt/wsl

drivers 716135972 78683760 637452212 11% /usr/lib/wsl/drivers

/dev/sdc 1055762868 1542048 1000517348 1% /

none 4040124 72 4040052 1% /mnt/wslg

none 4040124 0 4040124 0% /usr/lib/wsl/lib

rootfs 4036632 2372 4034260 1% /init

none 4040124 464 4039660 1% /run

none 4040124 0 4040124 0% /run/lock

none 4040124 0 4040124 0% /run/shm

tmpfs 4096 0 4096 0% /sys/fs/cgroup

none 4040124 76 4040048 1% /mnt/wslg/versions.txt

none 4040124 76 4040048 1% /mnt/wslg/doc

C:\ 716135972 78683760 637452212 11% /mnt/c

D:\ 259961852 17644592 242317260 7% /mnt/d

tmpfs 808024 16 808008 1% /run/user/1000

deep@DESKTOP-JFJ21I5:~$ df -h

Filesystem Size Used Avail Use% Mounted on

none 3.9G 0 3.9G 0% /usr/lib/modules/5.15.167.4-microsoft-standard-WSL2

none 3.9G 4.0K 3.9G 1% /mnt/wsl

drivers 683G 76G 608G 11% /usr/lib/wsl/drivers

/dev/sdc 1007G 1.5G 955G 1% /

none 3.9G 72K 3.9G 1% /mnt/wslg

none 3.9G 0 3.9G 0% /usr/lib/wsl/lib

rootfs 3.9G 2.4M 3.9G 1% /init

none 3.9G 464K 3.9G 1% /run

none 3.9G 0 3.9G 0% /run/lock

none 3.9G 0 3.9G 0% /run/shm

tmpfs 4.0M 0 4.0M 0% /sys/fs/cgroup

none 3.9G 76K 3.9G 1% /mnt/wslg/versions.txt

none 3.9G 76K 3.9G 1% /mnt/wslg/doc

C:\ 683G 76G 608G 11% /mnt/c

D:\ 248G 17G 232G 7% /mnt/d

tmpfs 790M 16K 790M 1% /run/user/1000

Try 'du --help' for more information.

deep@DESKTOP-JFJ21I5:~$ du .

8 ./linux\_for\_devops

4 ./.cache

4 ./.landscape

4 ./devops.

4 ./cloud

12 ./.kube

4 ./.docker/run

16 ./.docker/desktop/log/host

20 ./.docker/desktop/log

24 ./.docker/desktop

36 ./.docker

112 .

112 .

deep@DESKTOP-JFJ21I5:~$ ls -a

. .aws .bash\_history .bashrc .docker .landscape .motd\_shown .viminfo demo-file.txt hello.txt my-file.txt softlink-file

.. .azure .bash\_logout .cache .kube .lesshst .profile cloud devops. linux\_for\_devops newfile.txt

deep@DESKTOP-JFJ21I5:~$ top

top - 12:39:59 up 6 min, 1 user, load average: 0.00, 0.01, 0.00

Tasks: 23 total, 1 running, 22 sleeping, 0 stopped, 0 zombie

%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

MiB Mem : 7890.9 total, 7282.9 free, 548.0 used, 287.9 buff/cache

MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 7342.9 avail Mem

deep@DESKTOP-JFJ21I5:~$ ps

PID TTY TIME CMD

313 pts/0 00:00:00 bash

deep@DESKTOP-JFJ21I5:~$ fuser

No process specification given

Usage: fuser [-fIMuvw] [-a|-s] [-4|-6] [-c|-m|-n SPACE]

[-k [-i] [-SIGNAL]] NAME...

deep@DESKTOP-JFJ21I5:~$ kill -9 162

-bash: kill: (162) - No such process

deep@DESKTOP-JFJ21I5:~$ free

total used free shared buff/cache available

Mem: 8080248 563248 7455364 3176 295128 7517000

deep@DESKTOP-JFJ21I5:~$ nohup free -h

nohup: ignoring input and appending output to 'nohup.out'

deep@DESKTOP-JFJ21I5:~$ cat nohub.out

cat: nohub.out: No such file or directory

deep@DESKTOP-JFJ21I5:~$ cat nohup.out

total used free shared buff/cache available

Mem: 7.7Gi 502Mi 7.3Gi 3.1Mi 133Mi 7.2Gi

Swap: 2.0Gi 0B 2.0Gi

**$ stroing output of cmd**

deep@DESKTOP-JFJ21I5:~$ nohup df -h

nohup: ignoring input and appending output to 'nohup.out'

deep@DESKTOP-JFJ21I5:~$ cat nohup.out

total used free shared buff/cache available

Mem: 7.7Gi 502Mi 7.3Gi 3.1Mi 133Mi 7.2Gi

Swap: 2.0Gi 0B 2.0Gi

Filesystem Size Used Avail Use% Mounted on

none 3.9G 0 3.9G 0% /usr/lib/modules/5.15.167.4-microsoft-standard-WSL2

none 3.9G 4.0K 3.9G 1% /mnt/wsl

drivers 683G 76G 608G 12% /usr/lib/wsl/drivers

/dev/sdc 1007G 1.5G 955G 1% /

none 3.9G 76K 3.9G 1% /mnt/wslg

none 3.9G 0 3.9G 0% /usr/lib/wsl/lib

rootfs 3.9G 2.4M 3.9G 1% /init

none 3.9G 464K 3.9G 1% /run

none 3.9G 0 3.9G 0% /run/lock

none 3.9G 0 3.9G 0% /run/shm

tmpfs 4.0M 0 4.0M 0% /sys/fs/cgroup

none 3.9G 76K 3.9G 1% /mnt/wslg/versions.txt

none 3.9G 76K 3.9G 1% /mnt/wslg/doc

C:\ 683G 76G 608G 12% /mnt/c

D:\ 248G 17G 232G 7% /mnt/d

tmpfs 790M 16K 790M 1% /run/user/1000

**$ storing output of df –h cmd**

deep@DESKTOP-JFJ21I5:~$ head nohup.out

total used free shared buff/cache available

Mem: 7.7Gi 502Mi 7.3Gi 3.1Mi 133Mi 7.2Gi

Swap: 2.0Gi 0B 2.0Gi

Filesystem Size Used Avail Use% Mounted on

none 3.9G 0 3.9G 0% /usr/lib/modules/5.15.167.4-microsoft-standard-WSL2

none 3.9G 4.0K 3.9G 1% /mnt/wsl

drivers 683G 76G 608G 12% /usr/lib/wsl/drivers

/dev/sdc 1007G 1.5G 955G 1% /

none 3.9G 76K 3.9G 1% /mnt/wslg

none 3.9G 0 3.9G 0% /usr/lib/wsl/lib

deep@DESKTOP-JFJ21I5:~$ head nohup.out 5

==> nohup.out <==

total used free shared buff/cache available

Mem: 7.7Gi 502Mi 7.3Gi 3.1Mi 133Mi 7.2Gi

Swap: 2.0Gi 0B 2.0Gi

Filesystem Size Used Avail Use% Mounted on

none 3.9G 0 3.9G 0% /usr/lib/modules/5.15.167.4-microsoft-standard-WSL2

none 3.9G 4.0K 3.9G 1% /mnt/wsl

drivers 683G 76G 608G 12% /usr/lib/wsl/drivers

/dev/sdc 1007G 1.5G 955G 1% /

none 3.9G 76K 3.9G 1% /mnt/wslg

none 3.9G 0 3.9G 0% /usr/lib/wsl/lib

head: cannot open '5' for reading: No such file or directory

deep@DESKTOP-JFJ21I5:~$ head -n 5 nohup.out

total used free shared buff/cache available

Mem: 7.7Gi 502Mi 7.3Gi 3.1Mi 133Mi 7.2Gi

Swap: 2.0Gi 0B 2.0Gi

$ show only first 5 lines

**#yha tak DONE**

deep@DESKTOP-JFJ21I5:~$ tail -n 5 nohup.out

none 3.9G 76K 3.9G 1% /mnt/wslg/versions.txt

none 3.9G 76K 3.9G 1% /mnt/wslg/doc

$ niche ka 5 line of file nohup .out

deep@DESKTOP-JFJ21I5:~$ vmstat

procs -----------memory---------- ---swap-- -----io---- -system-- -------cpu-------

r b swpd free buff cache si so bi bo in cs us sy id wa st gu

1 0 0 7617352 3148 137088 0 0 295 19 18 0 0 0 99 0 0 0

deep@DESKTOP-JFJ21I5:~$ vmstat -a

procs -----------memory---------- ---swap-- -----io---- -system-- -------cpu-------

r b swpd free inact active si so bi bo in cs us sy id wa st gu

1 0 0 7615324 149320 33612 0 0 294 19 18 0 0 0 99 0 0 0

$ Display infor about ram free or inactive mermory

$ ssh ka thorugh ec2 instcne se connect kar satke hai ‘

System level cmd

deep@DESKTOP-JFJ21I5:~$ uname

Linux

deep@DESKTOP-JFJ21I5:~$ uptime

13:14:02 up 40 min, 1 user, load average: 0.00, 0.00, 0.00

deep@DESKTOP-JFJ21I5:~$ date

Sun Feb 16 13:14:19 UTC 2025

deep@DESKTOP-JFJ21I5:~$ who

deep pts/1 2025-02-16 12:33 $ user na kab login karat ha

deep@DESKTOP-JFJ21I5:~$ whoami

deep $ system ka username

deep

deep@DESKTOP-JFJ21I5:~$ python --version

Command 'python' not found, did you mean:

command 'python3' from deb python3

command 'python' from deb python-is-python3

deep@DESKTOP-JFJ21I5:~$ bash

To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo\_root" for details.

deep@DESKTOP-JFJ21I5:~$ which bash

/usr/bin/bash

deep@DESKTOP-JFJ21I5:~$ which cp

/usr/bin/cp

deep@DESKTOP-JFJ21I5:~$ which java

deep@DESKTOP-JFJ21I5:~$ id

uid=1000(deep) gid=1000(deep) groups=1000(deep),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dip),44(video),46(plugdev),100(users),107(netdev),1001(docker)

deep@DESKTOP-JFJ21I5:~$ cat /etc/passwd

root:x:0:0:root:/root:/bin/bash

daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin

bin:x:2:2:bin:/bin:/usr/sbin/nologin

sys:x:3:3:sys:/dev:/usr/sbin/nologin

sync:x:4:65534:sync:/bin:/bin/sync

games:x:5:60:games:/usr/games:/usr/sbin/nologin

man:x:6:12:man:/var/cache/man:/usr/sbin/nologin

lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin

mail:x:8:8:mail:/var/mail:/usr/sbin/nologin

news:x:9:9:news:/var/spool/news:/usr/sbin/nologin

uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin

proxy:x:13:13:proxy:/bin:/usr/sbin/nologin

www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin

backup:x:34:34:backup:/var/backups:/usr/sbin/nologin

list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin

irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin

\_apt:x:42:65534::/nonexistent:/usr/sbin/nologin

nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin

systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin

systemd-timesync:x:996:996:systemd Time Synchronization:/:/usr/sbin/nologin

dhcpcd:x:100:65534:DHCP Client Daemon,,,:/usr/lib/dhcpcd:/bin/false

messagebus:x:101:101::/nonexistent:/usr/sbin/nologin

syslog:x:102:102::/nonexistent:/usr/sbin/nologin

systemd-resolve:x:991:991:systemd Resolver:/:/usr/sbin/nologin

uuidd:x:103:103::/run/uuidd:/usr/sbin/nologin

landscape:x:104:105::/var/lib/landscape:/usr/sbin/nologin

polkitd:x:990:990:User for polkitd:/:/usr/sbin/nologin

deep:x:1000:1000:,,,:/home/deep:/bin/bash

deep@DESKTOP-JFJ21I5:~$ ld

ld: no input files

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ cd etc/

bash: cd: etc/: No such file or directory

deep@DESKTOP-JFJ21I5:~$ cd ..

deep@DESKTOP-JFJ21I5:/home$ cd ..

deep@DESKTOP-JFJ21I5:/$ ls

Docker bin.usr-is-merged dev home lib lib64 media opt root sbin snap sys usr

bin boot etc init lib.usr-is-merged lost+found mnt proc run sbin.usr-is-merged srv tmp var

deep@DESKTOP-JFJ21I5:/$ cd etc

deep@DESKTOP-JFJ21I5:/etc$ cd ..

deep@DESKTOP-JFJ21I5:/$ sudo shutdown

[sudo] password for deep:

Sorry, try again.

[sudo] password for deep:

sudo: no password was provided

sudo: 1 incorrect password attempt

deep@DESKTOP-JFJ21I5:/$ sudo shutdown

[sudo] password for deep:

Shutdown scheduled for Sun 2025-02-16 13:32:38 UTC, use 'shutdown -c' to cancel.

deep@DESKTOP-JFJ21I5:/$ shutdown -c

Failed to talk to logind, shutdown hasn't been cancelled: Interactive authentication required.

deep@DESKTOP-JFJ21I5:/$sudo reboot $ to restart

deep@DESKTOP-JFJ21I5:~$ sudo apt install docker.io

[sudo] password for deep:

deep@DESKTOP-JFJ21I5:~$ sudo apt-get update

Get:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]

deep@DESKTOP-JFJ21I5:~$ which docker

/usr/bin/docker

deep@DESKTOP-JFJ21I5:~$ sudo apt remove docker.io

Reading package lists... Done

Building dependency tree... Done

deep@DESKTOP-JFJ21I5:~$ apt

apt 2.7.14 (amd64)

Usage: apt [options] command

ADDING OR DELETEING A USER

deep@DESKTOP-JFJ21I5:~$ pwd

/home/deep

deep@DESKTOP-JFJ21I5:~$ useradd -m jethalala

useradd: Permission denied.

useradd: cannot lock /etc/passwd; try again later.

deep@DESKTOP-JFJ21I5:~$ sudo useradd -m jethalal

[sudo] password for deep:

deep@DESKTOP-JFJ21I5:~$ cd ..

deep@DESKTOP-JFJ21I5:/home$ ls

deep jethalal

deep@DESKTOP-JFJ21I5:/home$ sudo passwd jethalal

New password:

Retype new password:

passwd: password updated successfully

deep@DESKTOP-JFJ21I5:/home$ passwd jethalal

passwd: You may not view or modify password information for jethalal.

deep@DESKTOP-JFJ21I5:/home$ ls

deep jethalal

deep@DESKTOP-JFJ21I5:/home$ whoami

deep

deep@DESKTOP-JFJ21I5:/home$ su jehtalal

su: user jehtalal does not exist or the user entry does not contain all the required fields

deep@DESKTOP-JFJ21I5:/home$ su jethalal

Password:

$ whoami

jethalal

$ cd jethalal

$ pwd

/home/jethalal

$ exit

deep@DESKTOP-JFJ21I5:/home$ whoami

deep

deep@DESKTOP-JFJ21I5:/home$ cat /etc/passwd

root:x:0:0:root:/root:/bin/bash

daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin

bin:x:2:2:bin:/bin:/usr/sbin/nologin

sys:x:3:3:sys:/dev:/usr/sbin/nologin

sync:x:4:65534:sync:/bin:/bin/sync

games:x:5:60:games:/usr/games:/usr/sbin/nologin

man:x:6:12:man:/var/cache/man:/usr/sbin/nologin

lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin

mail:x:8:8:mail:/var/mail:/usr/sbin/nologin

news:x:9:9:news:/var/spool/news:/usr/sbin/nologin

uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin

proxy:x:13:13:proxy:/bin:/usr/sbin/nologin

www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin

backup:x:34:34:backup:/var/backups:/usr/sbin/nologin

list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin

irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin

\_apt:x:42:65534::/nonexistent:/usr/sbin/nologin

nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin

systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin

systemd-timesync:x:996:996:systemd Time Synchronization:/:/usr/sbin/nologin

dhcpcd:x:100:65534:DHCP Client Daemon,,,:/usr/lib/dhcpcd:/bin/false

messagebus:x:101:101::/nonexistent:/usr/sbin/nologin

syslog:x:102:102::/nonexistent:/usr/sbin/nologin

systemd-resolve:x:991:991:systemd Resolver:/:/usr/sbin/nologin

uuidd:x:103:103::/run/uuidd:/usr/sbin/nologin

landscape:x:104:105::/var/lib/landscape:/usr/sbin/nologin

polkitd:x:990:990:User for polkitd:/:/usr/sbin/nologin

deep:x:1000:1000:,,,:/home/deep:/bin/bash

dnsmasq:x:999:65534:dnsmasq:/var/lib/misc:/usr/sbin/nologin

jethalal:x:1001:1002::/home/jethalal:/bin/sh

deep@DESKTOP-JFJ21I5:/home$ id

uid=1000(deep) gid=1000(deep) groups=1000(deep),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dip),44(video),46(plugdev),100(users),107(netdev),1001(docker)

deep@DESKTOP-JFJ21I5:/home$ su jethalal

Password:

su: Authentication failure

deep@DESKTOP-JFJ21I5:/home$ su jethalal

Password:

$ id

uid=1001(jethalal) gid=1002(jethalal) groups=1002(jethalal)

$ exit

deep@DESKTOP-JFJ21I5:/home$ cd ubuntu

-bash: cd: ubuntu: No such file or directory

deep@DESKTOP-JFJ21I5:/home$ ls

deep jethalal

deep@DESKTOP-JFJ21I5:/home$ cd deep

deep@DESKTOP-JFJ21I5:~$ userdel jethalal

userdel: Permission denied.

userdel: cannot lock /etc/passwd; try again later.

deep@DESKTOP-JFJ21I5:~$ sudo userdel jethalal

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ su jethalal

su: user jethalal does not exist or the user entry does not contain all the required fields

deep@DESKTOP-JFJ21I5:~$

Createing and adding user to groups

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ pwd

/home/deep

deep@DESKTOP-JFJ21I5:~$ sudo useradd jethalal

deep@DESKTOP-JFJ21I5:~$ sudo useradd iyer

deep@DESKTOP-JFJ21I5:~$ sudo useradd tappu

deep@DESKTOP-JFJ21I5:~$ sudo useradd bhide

deep@DESKTOP-JFJ21I5:~$ sudo groupadd devops

deep@DESKTOP-JFJ21I5:~$ cat /etc/group

root:x:0:

daemon:x:1:

bin:x:2:

sys:x:3:

adm:x:4:syslog,deep

tty:x:5:

disk:x:6:

lp:x:7:

mail:x:8:

news:x:9:

uucp:x:10:

man:x:12:

proxy:x:13:

kmem:x:15:

dialout:x:20:deep

fax:x:21:

voice:x:22:

cdrom:x:24:deep

floppy:x:25:deep

tape:x:26:

sudo:x:27:deep

audio:x:29:deep

dip:x:30:deep

www-data:x:33:

backup:x:34:

operator:x:37:

list:x:38:

irc:x:39:

src:x:40:

shadow:x:42:

utmp:x:43:

video:x:44:deep

sasl:x:45:

plugdev:x:46:deep

staff:x:50:

games:x:60:

users:x:100:deep

nogroup:x:65534:

systemd-journal:x:999:

systemd-network:x:998:

crontab:x:997:

systemd-timesync:x:996:

input:x:995:

sgx:x:994:

kvm:x:993:

render:x:992:

messagebus:x:101:

syslog:x:102:

systemd-resolve:x:991:

uuidd:x:103:

\_ssh:x:104:

landscape:x:105:

polkitd:x:990:

admin:x:106:

netdev:x:107:deep

deep:x:1000:

docker:x:1001:deep

jethalal:x:1002:

iyer:x:1003:

tappu:x:1004:

bhide:x:1005:

devops:x:1006:

deep@DESKTOP-JFJ21I5:~$ sudo groupadd tester

deep@DESKTOP-JFJ21I5:~$ cat /etc/group

root:x:0:

daemon:x:1:

bin:x:2:

sys:x:3:

adm:x:4:syslog,deep

tty:x:5:

disk:x:6:

lp:x:7:

mail:x:8:

news:x:9:

uucp:x:10:

man:x:12:

proxy:x:13:

kmem:x:15:

dialout:x:20:deep

fax:x:21:

voice:x:22:

cdrom:x:24:deep

floppy:x:25:deep

tape:x:26:

sudo:x:27:deep

audio:x:29:deep

dip:x:30:deep

www-data:x:33:

backup:x:34:

operator:x:37:

list:x:38:

irc:x:39:

src:x:40:

shadow:x:42:

utmp:x:43:

video:x:44:deep

sasl:x:45:

plugdev:x:46:deep

staff:x:50:

games:x:60:

users:x:100:deep

nogroup:x:65534:

systemd-journal:x:999:

systemd-network:x:998:

crontab:x:997:

systemd-timesync:x:996:

input:x:995:

sgx:x:994:

kvm:x:993:

render:x:992:

messagebus:x:101:

syslog:x:102:

systemd-resolve:x:991:

uuidd:x:103:

\_ssh:x:104:

landscape:x:105:

polkitd:x:990:

admin:x:106:

netdev:x:107:deep

deep:x:1000:

docker:x:1001:deep

jethalal:x:1002:

iyer:x:1003:

tappu:x:1004:

bhide:x:1005:

devops:x:1006:

tester:x:1007:

deep@DESKTOP-JFJ21I5:~$ sudo gpasswd -a jethalal devops

Adding user jethalal to group devops

deep@DESKTOP-JFJ21I5:~$ sudo gpasswd -a ubuntu devops

gpasswd: user 'ubuntu' does not exist

deep@DESKTOP-JFJ21I5:~$ sudo gpasswd -a deep devops

Adding user deep to group devops

deep@DESKTOP-JFJ21I5:~$ cat /etc/group

root:x:0:

daemon:x:1:

bin:x:2:

sys:x:3:

adm:x:4:syslog,deep

tty:x:5:

disk:x:6:

lp:x:7:

mail:x:8:

news:x:9:

uucp:x:10:

man:x:12:

proxy:x:13:

kmem:x:15:

dialout:x:20:deep

fax:x:21:

voice:x:22:

cdrom:x:24:deep

floppy:x:25:deep

tape:x:26:

sudo:x:27:deep

audio:x:29:deep

dip:x:30:deep

www-data:x:33:

backup:x:34:

operator:x:37:

list:x:38:

irc:x:39:

src:x:40:

shadow:x:42:

utmp:x:43:

video:x:44:deep

sasl:x:45:

plugdev:x:46:deep

staff:x:50:

games:x:60:

users:x:100:deep

nogroup:x:65534:

systemd-journal:x:999:

systemd-network:x:998:

crontab:x:997:

systemd-timesync:x:996:

input:x:995:

sgx:x:994:

kvm:x:993:

render:x:992:

messagebus:x:101:

syslog:x:102:

systemd-resolve:x:991:

uuidd:x:103:

\_ssh:x:104:

landscape:x:105:

polkitd:x:990:

admin:x:106:

netdev:x:107:deep

deep:x:1000:

docker:x:1001:deep

jethalal:x:1002:

iyer:x:1003:

tappu:x:1004:

bhide:x:1005:

devops:x:1006:jethalal,deep

tester:x:1007:

deep@DESKTOP-JFJ21I5:~$ sudo gpasswd -M iyer,tappu,bhide tester

deep@DESKTOP-JFJ21I5:~$ cat /etc/group

root:x:0:

daemon:x:1:

bin:x:2:

sys:x:3:

adm:x:4:syslog,deep

tty:x:5:

disk:x:6:

lp:x:7:

mail:x:8:

news:x:9:

uucp:x:10:

man:x:12:

proxy:x:13:

kmem:x:15:

dialout:x:20:deep

fax:x:21:

voice:x:22:

cdrom:x:24:deep

floppy:x:25:deep

tape:x:26:

sudo:x:27:deep

audio:x:29:deep

dip:x:30:deep

www-data:x:33:

backup:x:34:

operator:x:37:

list:x:38:

irc:x:39:

src:x:40:

shadow:x:42:

utmp:x:43:

video:x:44:deep

sasl:x:45:

plugdev:x:46:deep

staff:x:50:

games:x:60:

users:x:100:deep

nogroup:x:65534:

systemd-journal:x:999:

systemd-network:x:998:

crontab:x:997:

systemd-timesync:x:996:

input:x:995:

sgx:x:994:

kvm:x:993:

render:x:992:

messagebus:x:101:

syslog:x:102:

systemd-resolve:x:991:

uuidd:x:103:

\_ssh:x:104:

landscape:x:105:

polkitd:x:990:

admin:x:106:

netdev:x:107:deep

deep:x:1000:

docker:x:1001:deep

jethalal:x:1002:

iyer:x:1003:

tappu:x:1004:

bhide:x:1005:

devops:x:1006:jethalal,deep

tester:x:1007:iyer,tappu,bhide

deep@DESKTOP-JFJ21I5:~$ id

uid=1000(deep) gid=1000(deep) groups=1000(deep),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dip),44(video),46(plugdev),100(users),107(netdev),1001(docker)

deep@DESKTOP-JFJ21I5:~$ sudo groupdel tester

deep@DESKTOP-JFJ21I5:~$ cat /etc/group

root:x:0:

daemon:x:1:

bin:x:2:

sys:x:3:

adm:x:4:syslog,deep

tty:x:5:

disk:x:6:

lp:x:7:

mail:x:8:

news:x:9:

uucp:x:10:

man:x:12:

proxy:x:13:

kmem:x:15:

dialout:x:20:deep

fax:x:21:

voice:x:22:

cdrom:x:24:deep

floppy:x:25:deep

tape:x:26:

sudo:x:27:deep

audio:x:29:deep

dip:x:30:deep

www-data:x:33:

backup:x:34:

operator:x:37:

list:x:38:

irc:x:39:

src:x:40:

shadow:x:42:

utmp:x:43:

video:x:44:deep

sasl:x:45:

plugdev:x:46:deep

staff:x:50:

games:x:60:

users:x:100:deep

nogroup:x:65534:

systemd-journal:x:999:

systemd-network:x:998:

crontab:x:997:

systemd-timesync:x:996:

input:x:995:

sgx:x:994:

kvm:x:993:

render:x:992:

messagebus:x:101:

syslog:x:102:

systemd-resolve:x:991:

uuidd:x:103:

\_ssh:x:104:

landscape:x:105:

polkitd:x:990:

admin:x:106:

netdev:x:107:deep

deep:x:1000:

docker:x:1001:deep

jethalal:x:1002:

iyer:x:1003:

tappu:x:1004:

bhide:x:1005:

devops:x:1006:jethalal,deep

deep@DESKTOP-JFJ21I5:~$

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ cd linux\_for\_devops

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls

devops-file.txtr softlink-file

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls -l

total 4

-rw-r--r-- 1 deep deep 12 Feb 16 09:29 devops-file.txtr

lrwxrwxrwx 1 deep deep 44 Feb 16 09:38 softlink-file -> /home/deep/linux\_for\_devops/devops-file.txtr

$ Premission asscoated with tehse files and folders

FILE permissons and ownership change ownership

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ cd linux\_for\_devops

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls

devops-file.txtr softlink-file

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls -l

total 4

-rw-r--r-- 1 deep deep 12 Feb 16 09:29 devops-file.txtr

lrwxrwxrwx 1 deep deep 44 Feb 16 09:38 softlink-file -> /home/deep/linux\_for\_devops/devops-file.txtr

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ mkdir cloud

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls

cloud devops-file.txtr softlink-file

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls -l

total 8

drwxr-xr-x 2 deep deep 4096 Feb 16 16:53 cloud

-rw-r--r-- 1 deep deep 12 Feb 16 09:29 devops-file.txtr

lrwxrwxrwx 1 deep deep 44 Feb 16 09:38 softlink-file -> /home/deep/linux\_for\_devops/devops-file.txtr

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ chmod 777 cloud

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls -l

total 8

drwxrwxrwx 2 deep deep 4096 Feb 16 16:53 cloud

-rw-r--r-- 1 deep deep 12 Feb 16 09:29 devops-file.txtr

lrwxrwxrwx 1 deep deep 44 Feb 16 09:38 softlink-file -> /home/deep/linux\_for\_devops/devops-file.txtr

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ chmod 700 devops-file.txtr

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls -l

total 8

drwxrwxrwx 2 deep deep 4096 Feb 16 16:53 cloud

-rwx------ 1 deep deep 12 Feb 16 09:29 devops-file.txtr

lrwxrwxrwx 1 deep deep 44 Feb 16 09:38 softlink-file -> /home/deep/linux\_for\_devops/devops-file.txtr

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls

cloud devops-file.txtr softlink-file

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ umask

0022

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ cd

deep@DESKTOP-JFJ21I5:~$ cat .bashrc

# ~/.bashrc: executed by bash(1) for non-login shells.

# see /usr/share/doc/bash/examples/startup-files (in the package bash-doc)

# for examples

# If not running interactively, don't do anything

case $- in

\*i\*) ;;

\*) return;;

esac

# don't put duplicate lines or lines starting with space in the history.

# See bash(1) for more options

HISTCONTROL=ignoreboth

# append to the history file, don't overwrite it

shopt -s histappend

# for setting history length see HISTSIZE and HISTFILESIZE in bash(1)

HISTSIZE=1000

HISTFILESIZE=2000

# check the window size after each command and, if necessary,

# update the values of LINES and COLUMNS.

shopt -s checkwinsize

# If set, the pattern "\*\*" used in a pathname expansion context will

# match all files and zero or more directories and subdirectories.

#shopt -s globstar

# make less more friendly for non-text input files, see lesspipe(1)

[ -x /usr/bin/lesspipe ] && eval "$(SHELL=/bin/sh lesspipe)"

# set variable identifying the chroot you work in (used in the prompt below)

if [ -z "${debian\_chroot:-}" ] && [ -r /etc/debian\_chroot ]; then

debian\_chroot=$(cat /etc/debian\_chroot)

fi

# set a fancy prompt (non-color, unless we know we "want" color)

case "$TERM" in

xterm-color|\*-256color) color\_prompt=yes;;

esac

# uncomment for a colored prompt, if the terminal has the capability; turned

# off by default to not distract the user: the focus in a terminal window

# should be on the output of commands, not on the prompt

#force\_color\_prompt=yes

if [ -n "$force\_color\_prompt" ]; then

if [ -x /usr/bin/tput ] && tput setaf 1 >&/dev/null; then

# We have color support; assume it's compliant with Ecma-48

# (ISO/IEC-6429). (Lack of such support is extremely rare, and such

# a case would tend to support setf rather than setaf.)

color\_prompt=yes

else

color\_prompt=

fi

fi

if [ "$color\_prompt" = yes ]; then

PS1='${debian\_chroot:+($debian\_chroot)}\[\033[01;32m\]\u@\h\[\033[00m\]:\[\033[01;34m\]\w\[\033[00m\]\$ '

else

PS1='${debian\_chroot:+($debian\_chroot)}\u@\h:\w\$ '

fi

unset color\_prompt force\_color\_prompt

# If this is an xterm set the title to user@host:dir

case "$TERM" in

xterm\*|rxvt\*)

PS1="\[\e]0;${debian\_chroot:+($debian\_chroot)}\u@\h: \w\a\]$PS1"

;;

\*)

;;

esac

# enable color support of ls and also add handy aliases

if [ -x /usr/bin/dircolors ]; then

test -r ~/.dircolors && eval "$(dircolors -b ~/.dircolors)" || eval "$(dircolors -b)"

alias ls='ls --color=auto'

#alias dir='dir --color=auto'

#alias vdir='vdir --color=auto'

alias grep='grep --color=auto'

alias fgrep='fgrep --color=auto'

alias egrep='egrep --color=auto'

fi

# colored GCC warnings and errors

#export GCC\_COLORS='error=01;31:warning=01;35:note=01;36:caret=01;32:locus=01:quote=01'

# some more ls aliases

alias ll='ls -alF'

alias la='ls -A'

alias l='ls -CF'

# Add an "alert" alias for long running commands. Use like so:

# sleep 10; alert

alias alert='notify-send --urgency=low -i "$([ $? = 0 ] && echo terminal || echo error)" "$(history|tail -n1|sed -e '\''s/^\s\*[0-9]\+\s\*//;s/[;&|]\s\*alert$//'\'')"'

# Alias definitions.

# You may want to put all your additions into a separate file like

# ~/.bash\_aliases, instead of adding them here directly.

# See /usr/share/doc/bash-doc/examples in the bash-doc package.

if [ -f ~/.bash\_aliases ]; then

. ~/.bash\_aliases

fi

# enable programmable completion features (you don't need to enable

# this, if it's already enabled in /etc/bash.bashrc and /etc/profile

# sources /etc/bash.bashrc).

if ! shopt -oq posix; then

if [ -f /usr/share/bash-completion/bash\_completion ]; then

. /usr/share/bash-completion/bash\_completion

elif [ -f /etc/bash\_completion ]; then

. /etc/bash\_completion

fi

fi

deep@DESKTOP-JFJ21I5:~$ ls -l

total 28

drwxr-xr-x 2 deep deep 4096 Feb 16 09:18 cloud

-rw-r--r-- 1 deep deep 12 Feb 16 08:55 demo-file.txt

drwxr-xr-x 2 deep deep 4096 Feb 16 09:12 devops.

-rw-r--r-- 1 deep deep 6 Feb 16 09:45 hello.txt

drwxr-xr-x 3 deep deep 4096 Feb 16 16:53 linux\_for\_devops

-rw-r--r-- 1 deep deep 48 Feb 16 09:50 my-file.txt

-rw-r--r-- 1 deep deep 0 Feb 16 08:23 newfile.txt

-rw------- 1 deep deep 1086 Feb 16 12:46 nohup.out

lrwxrwxrwx 1 deep deep 44 Feb 16 09:38 softlink-file -> /home/deep/linux\_for\_devops/devops-file.txtr

deep@DESKTOP-JFJ21I5:~$ sudo chown jethalal demofile.txt

[sudo] password for deep:

chown: cannot access 'demofile.txt': No such file or directory

deep@DESKTOP-JFJ21I5:~$ sudo chown jethalal demo-file.txt

deep@DESKTOP-JFJ21I5:~$ ls -l

total 28

drwxr-xr-x 2 deep deep 4096 Feb 16 09:18 cloud

-rw-r--r-- 1 jethalal deep 12 Feb 16 08:55 demo-file.txt

drwxr-xr-x 2 deep deep 4096 Feb 16 09:12 devops.

-rw-r--r-- 1 deep deep 6 Feb 16 09:45 hello.txt

drwxr-xr-x 3 deep deep 4096 Feb 16 16:53 linux\_for\_devops

-rw-r--r-- 1 deep deep 48 Feb 16 09:50 my-file.txt

-rw-r--r-- 1 deep deep 0 Feb 16 08:23 newfile.txt

-rw------- 1 deep deep 1086 Feb 16 12:46 nohup.out

lrwxrwxrwx 1 deep deep 44 Feb 16 09:38 softlink-file -> /home/deep/linux\_for\_devops/devops-file.txtr

deep@DESKTOP-JFJ21I5:~$ ls -l

total 28

drwxr-xr-x 2 deep deep 4096 Feb 16 09:18 cloud

-rw-r--r-- 1 jethalal deep 12 Feb 16 08:55 demo-file.txt

drwxr-xr-x 2 deep deep 4096 Feb 16 09:12 devops.

-rw-r--r-- 1 deep deep 6 Feb 16 09:45 hello.txt

drwxr-xr-x 3 deep deep 4096 Feb 16 16:53 linux\_for\_devops

-rw-r--r-- 1 deep deep 48 Feb 16 09:50 my-file.txt

-rw-r--r-- 1 deep deep 0 Feb 16 08:23 newfile.txt

-rw------- 1 deep deep 1086 Feb 16 12:46 nohup.out

lrwxrwxrwx 1 deep deep 44 Feb 16 09:38 softlink-file -> /home/deep/linux\_for\_devops/devops-file.txtr

deep@DESKTOP-JFJ21I5:~$ sudo chgrp devops demofile.txt

chgrp: cannot access 'demofile.txt': No such file or directory

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ sudo chgrp devops demo-file.txt

deep@DESKTOP-JFJ21I5:~$ ls -l

total 28

drwxr-xr-x 2 deep deep 4096 Feb 16 09:18 cloud

-rw-r--r-- 1 jethalal devops 12 Feb 16 08:55 demo-file.txt

drwxr-xr-x 2 deep deep 4096 Feb 16 09:12 devops.

-rw-r--r-- 1 deep deep 6 Feb 16 09:45 hello.txt

drwxr-xr-x 3 deep deep 4096 Feb 16 16:53 linux\_for\_devops

-rw-r--r-- 1 deep deep 48 Feb 16 09:50 my-file.txt

-rw-r--r-- 1 deep deep 0 Feb 16 08:23 newfile.txt

-rw------- 1 deep deep 1086 Feb 16 12:46 nohup.out

lrwxrwxrwx 1 deep deep 44 Feb 16 09:38 softlink-file -> /home/deep/linux\_for\_devops/devops-file.txtr

deep@DESKTOP-JFJ21I5:~$

Compress and archive using tar gzip unzip

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ zip

Command 'zip' not found, but can be installed with:

sudo apt install zip

deep@DESKTOP-JFJ21I5:~$ sudo apt install zip

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

unzip

The following NEW packages will be installed:

unzip zip

0 upgraded, 2 newly installed, 0 to remove and 76 not upgraded.

Need to get 350 kB of archives.

After this operation, 933 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 unzip amd64 6.0-28ubuntu4.1 [174 kB]

Get:2 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 zip amd64 3.0-13ubuntu0.2 [176 kB]

Fetched 350 kB in 2s (195 kB/s)

Selecting previously unselected package unzip.

(Reading database ... 41224 files and directories currently installed.)

Preparing to unpack .../unzip\_6.0-28ubuntu4.1\_amd64.deb ...

Unpacking unzip (6.0-28ubuntu4.1) ...

Selecting previously unselected package zip.

Preparing to unpack .../zip\_3.0-13ubuntu0.2\_amd64.deb ...

Unpacking zip (3.0-13ubuntu0.2) ...

Setting up unzip (6.0-28ubuntu4.1) ...

Setting up zip (3.0-13ubuntu0.2) ...

Processing triggers for man-db (2.12.0-4build2) ...

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ cd linux\_for\_devops

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls

cloud devops-file.txtr softlink-file

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ cd

deep@DESKTOP-JFJ21I5:~$ zip -r ldf.zip linux\_for\_devops/

adding: linux\_for\_devops/ (stored 0%)

adding: linux\_for\_devops/devops-file.txtr (stored 0%)

adding: linux\_for\_devops/cloud/ (stored 0%)

adding: linux\_for\_devops/softlink-file (stored 0%)

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt ldf.zip linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ cd cloud

deep@DESKTOP-JFJ21I5:~/cloud$ ls

devops-file.txtr newfile.txt

deep@DESKTOP-JFJ21I5:~/cloud$ mkdir unzipped\_files

deep@DESKTOP-JFJ21I5:~/cloud$ ls

devops-file.txtr newfile.txt unzipped\_files

deep@DESKTOP-JFJ21I5:~/cloud$ cd ..

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt ldf.zip linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ unzip ldf.zip

Archive: ldf.zip

replace linux\_for\_devops/devops-file.txtr? [y]es, [n]o, [A]ll, [N]one, [r]ename: ^Cdeep@DESKTOP-JFJ21I5:~$ ^C

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt ldf.zip linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ cp ldf.zip cloud/unzipped\_files/

deep@DESKTOP-JFJ21I5:~$ ls

cloud demo-file.txt devops. hello.txt ldf.zip linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ cd cloud/unzipped\_files

deep@DESKTOP-JFJ21I5:~/cloud/unzipped\_files$ unzip ldf.zip

Archive: ldf.zip

creating: linux\_for\_devops/

extracting: linux\_for\_devops/devops-file.txtr

creating: linux\_for\_devops/cloud/

extracting: linux\_for\_devops/softlink-file

deep@DESKTOP-JFJ21I5:~/cloud/unzipped\_files$ cd

deep@DESKTOP-JFJ21I5:~$ tar -cvzf cloud

tar: Cowardly refusing to create an empty archive

Try 'tar --help' or 'tar --usage' for more information.

deep@DESKTOP-JFJ21I5:~$ tar -cvzf cloud.tar.gz cloud

cloud/

cloud/newfile.txt

cloud/devops-file.txtr

cloud/unzipped\_files/

cloud/unzipped\_files/linux\_for\_devops/

cloud/unzipped\_files/linux\_for\_devops/devops-file.txtr

cloud/unzipped\_files/linux\_for\_devops/cloud/

cloud/unzipped\_files/linux\_for\_devops/softlink-file

cloud/unzipped\_files/ldf.zip

deep@DESKTOP-JFJ21I5:~$ ls

cloud cloud.tar.gz demo-file.txt devops. hello.txt ldf.zip linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ cp cloud.tar.gz linux\_for\_devops/

deep@DESKTOP-JFJ21I5:~$ cd linux\_for\_devops/

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ ls

cloud cloud.tar.gz devops-file.txtr softlink-file

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ tar -xvz cloud.tar.gz

tar: Refusing to read archive contents from terminal (missing -f option?)

tar: Error is not recoverable: exiting now

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$ tar -xvzf cloud.tar.gz

cloud/

cloud/newfile.txt

cloud/devops-file.txtr

cloud/unzipped\_files/

cloud/unzipped\_files/linux\_for\_devops/

cloud/unzipped\_files/linux\_for\_devops/devops-file.txtr

cloud/unzipped\_files/linux\_for\_devops/cloud/

cloud/unzipped\_files/linux\_for\_devops/softlink-file

cloud/unzipped\_files/ldf.zip

deep@DESKTOP-JFJ21I5:~/linux\_for\_devops$

File transfer commands

Microsoft Windows [Version 10.0.19045.5487]

(c) Microsoft Corporation. All rights reserved.

C:\Users\user121\Downloads>scp -i "/c/Users/user121/Downloads/youtube-key.pem" secret\_file.txt deep@DESKTOP-JFJ21I5:~/linux\_for\_devops

scp: stat local "secret\_file.txt": No such file or directory

C:\Users\user121\Downloads>scp -i "/c/Users/user121/Downloads" youtube-key.pem deep@DESKTOP-JFJ21I5:~/linux\_for\_devops

scp: stat local "youtube-key.pem": No such file or directory

C:\Users\user121\Downloads>touch new\_rsync\_file.txt

'touch' is not recognized as an internal or external command,

operable program or batch file.

C:\Users\user121\Downloads>

NETWORKINGS

deep@DESKTOP-JFJ21I5:~$ ping google.com

PING google.com (216.58.208.110) 56(84) bytes of data.

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=1 ttl=56 time=310 ms

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=2 ttl=56 time=279 ms

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=3 ttl=56 time=277 ms

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=4 ttl=56 time=250 ms

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=5 ttl=56 time=442 ms

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=6 ttl=56 time=335 ms

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=7 ttl=56 time=273 ms

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=8 ttl=56 time=254 ms

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=9 ttl=56 time=257 ms

64 bytes from ams17s08-in-f14.1e100.net (216.58.208.110): icmp\_seq=10 ttl=56 time=250 ms

^C

--- google.com ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9401ms

rtt min/avg/max/mdev = 249.865/292.658/441.796/56.149 ms

deep@DESKTOP-JFJ21I5:~$ netstat

Command 'netstat' not found, but can be installed with:

sudo apt install net-tools

deep@DESKTOP-JFJ21I5:~$ sudo apt install netstat

[sudo] password for deep:

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

E: Unable to locate package netstat

deep@DESKTOP-JFJ21I5:~$ netsta

Command 'netsta' not found, did you mean:

command 'netstat' from deb net-tools (2.10-0.1ubuntu3)

Try: sudo apt install <deb name>

deep@DESKTOP-JFJ21I5:~$ netstat

Command 'netstat' not found, but can be installed with:

sudo apt install net-tools

deep@DESKTOP-JFJ21I5:~$ sudo apt install net-tools

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following NEW packages will be installed:

net-tools

0 upgraded, 1 newly installed, 0 to remove and 76 not upgraded.

Need to get 204 kB of archives.

After this operation, 811 kB of additional disk space will be used.

Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 net-tools amd64 2.10-0.1ubuntu4 [204 kB]

Selecting previously unselected package net-tools.

(Reading database ... 41256 files and directories currently installed.)

Preparing to unpack .../net-tools\_2.10-0.1ubuntu4\_amd64.deb ...

Unpacking net-tools (2.10-0.1ubuntu4) ...

Setting up net-tools (2.10-0.1ubuntu4) ...

Processing triggers for man-db (2.12.0-4build2) ...

deep@DESKTOP-JFJ21I5:~$ netstat

Active Internet connections (w/o servers)

Proto Recv-Q Send-Q Local Address Foreign Address State

Active UNIX domain sockets (w/o servers)

Proto RefCnt Flags Type State I-Node Path

unix 3 [ ] STREAM CONNECTED 970 @2cc029e794be56a3/bus/systemd/bus-system

unix 2 [ ] DGRAM 966 /run/user/1000/systemd/notify

unix 2 [ ] DGRAM 161 /var/run/chrony/chronyd.sock

unix 3 [ ] DGRAM CONNECTED 274 /run/systemd/notify

unix 2 [ ] DGRAM 288 /run/systemd/journal/syslog

unix 9 [ ] DGRAM CONNECTED 290 /run/systemd/journal/dev-log

unix 8 [ ] DGRAM CONNECTED 292 /run/systemd/journal/socket

unix 3 [ ] STREAM CONNECTED 2607 @d5931ef6c950b775/bus/systemd-logind/system

unix 3 [ ] STREAM CONNECTED 1562 @ec2d7dfbcc37068c/bus/systemd-timesyn/bus-api-timesync

unix 3 [ ] STREAM CONNECTED 623 @4ac8f990236575b3/bus/systemd-resolve/bus-api-resolve

unix 3 [ ] STREAM CONNECTED 2577 @7b811a228bd7f7ec/bus/systemd/bus-api-system

unix 3 [ ] STREAM CONNECTED 19414

unix 3 [ ] STREAM CONNECTED 2396 /run/systemd/journal/stdout

unix 3 [ ] DGRAM CONNECTED 19676

unix 3 [ ] STREAM CONNECTED 20930

unix 3 [ ] STREAM CONNECTED 21723 /run/dbus/system\_bus\_socket

unix 2 [ ] DGRAM CONNECTED 1401

unix 3 [ ] STREAM CONNECTED 780 /run/dbus/system\_bus\_socket

unix 3 [ ] STREAM CONNECTED 1652

unix 3 [ ] STREAM CONNECTED 19442

unix 2 [ ] DGRAM CONNECTED 20018

unix 3 [ ] STREAM CONNECTED 1655 /run/dbus/system\_bus\_socket

unix 2 [ ] DGRAM CONNECTED 2504

unix 2 [ ] DGRAM CONNECTED 19624

unix 3 [ ] DGRAM CONNECTED 968

unix 3 [ ] STREAM CONNECTED 2161

unix 3 [ ] STREAM CONNECTED 1739

unix 3 [ ] STREAM CONNECTED 1284

unix 3 [ ] STREAM CONNECTED 1648 /run/systemd/journal/stdout

unix 3 [ ] STREAM CONNECTED 800

unix 2 [ ] DGRAM CONNECTED 19668

unix 3 [ ] STREAM CONNECTED 19745 /run/systemd/journal/stdout

unix 3 [ ] STREAM CONNECTED 788 /run/dbus/system\_bus\_socket

unix 3 [ ] DGRAM CONNECTED 276

unix 3 [ ] STREAM CONNECTED 1736 /run/dbus/system\_bus\_socket

unix 3 [ ] DGRAM CONNECTED 19677

unix 2 [ ] DGRAM CONNECTED 2687

unix 3 [ ] STREAM CONNECTED 19415

unix 3 [ ] STREAM CONNECTED 21720 /run/dbus/system\_bus\_socket

unix 3 [ ] STREAM CONNECTED 1676

unix 2 [ ] DGRAM CONNECTED 19847

unix 3 [ ] STREAM CONNECTED 22610 /run/systemd/journal/stdout

unix 3 [ ] STREAM CONNECTED 2539

unix 3 [ ] STREAM CONNECTED 1631 /run/systemd/journal/stdout

unix 3 [ ] DGRAM CONNECTED 19626

unix 3 [ ] STREAM CONNECTED 19743

unix 3 [ ] STREAM CONNECTED 1738

unix 3 [ ] STREAM CONNECTED 2162

unix 2 [ ] DGRAM CONNECTED 2621

unix 2 [ ] DGRAM CONNECTED 20144

unix 3 [ ] STREAM CONNECTED 19828

unix 3 [ ] STREAM CONNECTED 19854 /run/systemd/journal/stdout

unix 3 [ ] STREAM CONNECTED 2690

unix 3 [ ] DGRAM CONNECTED 275

unix 2 [ ] STREAM CONNECTED 2111

unix 3 [ ] STREAM CONNECTED 1678 /run/systemd/journal/stdout

unix 2 [ ] DGRAM CONNECTED 19701

unix 2 [ ] DGRAM CONNECTED 421

unix 3 [ ] STREAM CONNECTED 2127

unix 3 [ ] STREAM CONNECTED 1433 /run/systemd/journal/stdout

unix 3 [ ] STREAM CONNECTED 2397 /run/systemd/journal/stdout

unix 3 [ ] STREAM CONNECTED 19505

unix 3 [ ] STREAM CONNECTED 20923

unix 3 [ ] DGRAM CONNECTED 19627

unix 3 [ ] STREAM CONNECTED 2163

unix 2 [ ] DGRAM CONNECTED 20139

unix 3 [ ] STREAM CONNECTED 1460

unix 3 [ ] STREAM CONNECTED 1278 /tmp/.X11-unix/X0

unix 3 [ ] STREAM CONNECTED 2819 /run/systemd/journal/stdout

unix 3 [ ] STREAM CONNECTED 738

unix 3 [ ] DGRAM CONNECTED 19674

unix 3 [ ] STREAM CONNECTED 2487 /run/systemd/journal/stdout

unix 2 [ ] DGRAM CONNECTED 20924

unix 3 [ ] STREAM CONNECTED 713 /run/systemd/journal/stdout

unix 3 [ ] STREAM CONNECTED 2128

unix 3 [ ] STREAM CONNECTED 1651

unix 3 [ ] STREAM CONNECTED 1654 /run/dbus/system\_bus\_socket

unix 2 [ ] DGRAM CONNECTED 22651

unix 3 [ ] STREAM CONNECTED 22650

unix 3 [ ] STREAM CONNECTED 19618

unix 3 [ ] STREAM CONNECTED 19441

unix 3 [ ] STREAM CONNECTED 1890 /run/dbus/system\_bus\_socket

unix 3 [ ] STREAM CONNECTED 2485

unix 3 [ ] STREAM CONNECTED 2160

unix 3 [ ] STREAM CONNECTED 19647

unix 3 [ ] STREAM CONNECTED 19502 /mnt/wslg/PulseAudioRDPSink

unix 3 [ ] STREAM CONNECTED 2177 /tmp/dbus-YENv3DodC5

unix 3 [ ] DGRAM CONNECTED 967

unix 3 [ ] DGRAM CONNECTED 19675

unix 3 [ ] STREAM CONNECTED 1220

unix 3 [ ] STREAM CONNECTED 20130

deep@DESKTOP-JFJ21I5:~$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1420

inet 172.18.96.140 netmask 255.255.240.0 broadcast 172.18.111.255

inet6 fe80::215:5dff:fe00:f6a4 prefixlen 64 scopeid 0x20<link>

ether 00:15:5d:00:f6:a4 txqueuelen 1000 (Ethernet)

RX packets 231 bytes 231708 (231.7 KB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 197 bytes 14927 (14.9 KB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536

inet 127.0.0.1 netmask 255.0.0.0

inet6 ::1 prefixlen 128 scopeid 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

deep@DESKTOP-JFJ21I5:~$ traceroute youtube.com

Command 'traceroute' not found, but can be installed with:

sudo apt install inetutils-traceroute # version 2:2.4-3ubuntu1, or

sudo apt install traceroute # version 1:2.1.5-1

deep@DESKTOP-JFJ21I5:~$ sudo apt install traceroute

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following NEW packages will be installed:

traceroute

0 upgraded, 1 newly installed, 0 to remove and 76 not upgraded.

Need to get 60.5 kB of archives.

Selecting previously unselected package traceroute.ce will be used.

(Reading database ... 41304 files and directories currently installed.)

Preparing to unpack .../traceroute\_1%3a2.1.5-1\_amd64.deb ...

Unpacking traceroute (1:2.1.5-1) ...

Setting up traceroute (1:2.1.5-1) ...

update-alternatives: using /usr/bin/traceroute.db to provide /usr/bin/traceroute (traceroute) in auto mode

update-alternatives: using /usr/bin/traceroute6.db to provide /usr/bin/traceroute6 (traceroute6) in auto mode

update-alternatives: using /usr/bin/lft.db to provide /usr/bin/lft (lft) in auto mode

update-alternatives: using /usr/bin/traceproto.db to provide /usr/bin/traceproto (traceproto) in auto mode

update-alternatives: using /usr/sbin/tcptraceroute.db to provide /usr/sbin/tcptraceroute (tcptraceroute) in auto mode

Processing triggers for man-db (2.12.0-4build2) ...

deep@DESKTOP-JFJ21I5:~$ sudo apt install inetutils-traceroute

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following NEW packages will be installed:

inetutils-traceroute

0 upgraded, 1 newly installed, 0 to remove and 76 not upgraded.

Need to get 42.2 kB of archives.

Selecting previously unselected package inetutils-traceroute. used.

(Reading database ... 41324 files and directories currently installed.)

Preparing to unpack .../inetutils-traceroute\_2%3a2.5-3ubuntu4\_amd64.deb ...

Unpacking inetutils-traceroute (2:2.5-3ubuntu4) ...

Setting up inetutils-traceroute (2:2.5-3ubuntu4) ...

Processing triggers for man-db (2.12.0-4build2) ...

deep@DESKTOP-JFJ21I5:~$ traceroute youtube.com

traceroute to youtube.com (142.251.39.110), 30 hops max, 60 byte packets

1 DESKTOP-JFJ21I5 (172.18.96.1) 1.008 ms 0.862 ms 0.782 ms

2 10.2.0.1 (10.2.0.1) 263.833 ms 264.445 ms 264.367 ms

3 unn-169-150-196-124.datapacket.com (169.150.196.124) 264.783 ms 266.034 ms 265.803 ms

4 vl214.ams-eq6-core-2.cdn77.com (79.127.192.142) 265.906 ms vl211.ams-eq6-core-1.cdn77.com (79.127.192.136) 265.560 ms 265.475 ms

5 adm-b10-link.ip.twelve99.net (62.115.150.177) 265.212 ms 265.146 ms 265.098 ms

6 google-ic-326613.ip.twelve99-cust.net (80.239.128.17) 265.203 ms 262.247 ms 262.209 ms

7 \* \* \*

8 142.251.66.240 (142.251.66.240) 250.595 ms 142.251.66.238 (142.251.66.238) 250.169 ms 142.251.66.240 (142.251.66.240) 250.503 ms

9 74.125.243.82 (74.125.243.82) 250.262 ms 209.85.240.100 (209.85.240.100) 250.443 ms 250.413 ms

10 216.239.43.27 (216.239.43.27) 250.538 ms 142.251.237.172 (142.251.237.172) 250.387 ms ams15s48-in-f14.1e100.net (142.251.39.110) 250.195 ms

deep@DESKTOP-JFJ21I5:~$ tracepath trainwithshubham.com

Command 'tracepath' not found, but can be installed with:

sudo apt install iputils-tracepath

deep@DESKTOP-JFJ21I5:~$ sudo apt install iputils-tracepath

Reading package lists... DoneP-JFJ21I5:~$

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following NEW packages will be installed:

iputils-tracepath

0 upgraded, 1 newly installed, 0 to remove and 76 not upgraded.

Need to get 13.2 kB of archives.

Selecting previously unselected package iputils-tracepath.l be used.

(Reading database ... 41333 files and directories currently installed.)

Preparing to unpack .../iputils-tracepath\_3%3a20240117-1build1\_amd64.deb ...

Unpacking iputils-tracepath (3:20240117-1build1) ...

Setting up iputils-tracepath (3:20240117-1build1) ...

Processing triggers for man-db (2.12.0-4build2) ...

deep@DESKTOP-JFJ21I5:~$ tracepath trainwithshubham.com

1?: [LOCALHOST] pmtu 1420

1: DESKTOP-JFJ21I5 0.366ms

1: DESKTOP-JFJ21I5 0.680ms

2: ??? 259.941ms

3: unn-169-150-196-125.datapacket.com 276.048ms

4: vl212.ams-eq6-core-2.cdn77.com 260.451ms

5: ae22-402.ams10.core-backbone.com 263.207ms

6: ae2-2073.dus10.core-backbone.com 263.543ms

7: ??? 263.548ms asymm 8

8: no reply

9: no reply

10: no reply

11: no reply

12: no reply

13: no reply

14: no reply

15: no reply

16: no reply

17: no reply

^C

deep@DESKTOP-JFJ21I5:~$ tracepath google.com

1?: [LOCALHOST] pmtu 1420

1: DESKTOP-JFJ21I5 0.339ms

1: DESKTOP-JFJ21I5 0.454ms

deep@DESKTOP-JFJ21I5:~$ ls

cloud cloud.tar.gz demo-file.txt devops. hello.txt ldf.zip linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ pwd

/home/deep

deep@DESKTOP-JFJ21I5:~$ mtr trainwithshubham.com

Command 'mtr' not found, but can be installed with:

sudo apt install mtr-tiny # version 0.95-1.1, or

sudo apt install mtr # version 0.95-1.1

deep@DESKTOP-JFJ21I5:~$ sudo apt install mtr-tiny

[sudo] password for deep:

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

libncurses6

The following NEW packages will be installed:

libncurses6 mtr-tiny

0 upgraded, 2 newly installed, 0 to remove and 76 not upgraded.

Need to get 166 kB of archives.

Selecting previously unselected package libncurses6:amd64. be used.

(Reading database ... 41338 files and directories currently installed.)

Preparing to unpack .../libncurses6\_6.4+20240113-1ubuntu2\_amd64.deb ...

Unpacking libncurses6:amd64 (6.4+20240113-1ubuntu2) ...

Selecting previously unselected package mtr-tiny.

Preparing to unpack .../mtr-tiny\_0.95-1.1ubuntu0.1\_amd64.deb ...

Unpacking mtr-tiny (0.95-1.1ubuntu0.1) ...

Setting up libncurses6:amd64 (6.4+20240113-1ubuntu2) ...

Setting up mtr-tiny (0.95-1.1ubuntu0.1) ...

Processing triggers for man-db (2.12.0-4build2) ...

Processing triggers for libc-bin (2.39-0ubuntu8.4) ...

deep@DESKTOP-JFJ21I5:~$ mtr trainwithshubham.com

deep@DESKTOP-JFJ21I5:~$ nslookup google.com

Command 'nslookup' not found, but can be installed with:

sudo apt install bind9-dnsutils/ubuntu noble/main amd64 libncurses6 amd64 6.4+20240113-1ubuntu2 [112 kB]

deep@DESKTOP-JFJ21I5:~$ sudo apt install nslookup

Reading package lists... Done/s)

Building dependency tree... Done

Reading state information... Done

E: Unable to locate package nslookup

deep@DESKTOP-JFJ21I5:~$ nslookup

Command 'nslookup' not found, but can be installed with:

sudo apt install bind9-dnsutils

deep@DESKTOP-JFJ21I5:~$ sudo apt install bind9-dnsutils

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

bind9-host bind9-libs liblmdb0 libmaxminddb0 libuv1t64

Suggested packages:

mmdb-bin

The following NEW packages will be installed:

bind9-dnsutils bind9-host bind9-libs liblmdb0 libmaxminddb0 libuv1t64

0 upgraded, 6 newly installed, 0 to remove and 76 not upgraded.

Need to get 1629 kB of archives.

After this operation, 4652 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 libuv1t64 amd64 1.48.0-1.1build1 [97.3 kB]

Get:2 http://archive.ubuntu.com/ubuntu noble/main amd64 liblmdb0 amd64 0.9.31-1build1 [48.1 kB]

Get:3 http://archive.ubuntu.com/ubuntu noble/main amd64 libmaxminddb0 amd64 1.9.1-1build1 [24.4 kB]

Get:4 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 bind9-libs amd64 1:9.18.30-0ubuntu0.24.04.2 [1253 kB]

Get:5 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 bind9-host amd64 1:9.18.30-0ubuntu0.24.04.2 [50.4 kB]

Get:6 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 bind9-dnsutils amd64 1:9.18.30-0ubuntu0.24.04.2 [155 kB]

Fetched 1629 kB in 5s (343 kB/s)

Selecting previously unselected package libuv1t64:amd64.

(Reading database ... 41355 files and directories currently installed.)

Preparing to unpack .../0-libuv1t64\_1.48.0-1.1build1\_amd64.deb ...

Unpacking libuv1t64:amd64 (1.48.0-1.1build1) ...

Selecting previously unselected package liblmdb0:amd64.

Preparing to unpack .../1-liblmdb0\_0.9.31-1build1\_amd64.deb ...

Unpacking liblmdb0:amd64 (0.9.31-1build1) ...

Selecting previously unselected package libmaxminddb0:amd64.

Preparing to unpack .../2-libmaxminddb0\_1.9.1-1build1\_amd64.deb ...

Unpacking libmaxminddb0:amd64 (1.9.1-1build1) ...

Selecting previously unselected package bind9-libs:amd64.

Preparing to unpack .../3-bind9-libs\_1%3a9.18.30-0ubuntu0.24.04.2\_amd64.deb ...

Unpacking bind9-libs:amd64 (1:9.18.30-0ubuntu0.24.04.2) ...

Selecting previously unselected package bind9-host.

Preparing to unpack .../4-bind9-host\_1%3a9.18.30-0ubuntu0.24.04.2\_amd64.deb ...

Unpacking bind9-host (1:9.18.30-0ubuntu0.24.04.2) ...

Selecting previously unselected package bind9-dnsutils.

Preparing to unpack .../5-bind9-dnsutils\_1%3a9.18.30-0ubuntu0.24.04.2\_amd64.deb ...

Unpacking bind9-dnsutils (1:9.18.30-0ubuntu0.24.04.2) ...

Setting up liblmdb0:amd64 (0.9.31-1build1) ...

Setting up libmaxminddb0:amd64 (1.9.1-1build1) ...

Setting up libuv1t64:amd64 (1.48.0-1.1build1) ...

Setting up bind9-libs:amd64 (1:9.18.30-0ubuntu0.24.04.2) ...

Setting up bind9-host (1:9.18.30-0ubuntu0.24.04.2) ...

Setting up bind9-dnsutils (1:9.18.30-0ubuntu0.24.04.2) ...

Processing triggers for man-db (2.12.0-4build2) ...

Processing triggers for libc-bin (2.39-0ubuntu8.4) ...

deep@DESKTOP-JFJ21I5:~$ nslookup google.com

;; Got recursion not available from 172.18.96.1

Server: 172.18.96.1

Address: 172.18.96.1#53

Non-authoritative answer:

Name: google.com

Address: 142.251.39.110

;; Got recursion not available from 172.18.96.1

Name: google.com

Address: 2a00:1450:400e:805::200e

deep@DESKTOP-JFJ21I5:~$ telnet trainwithshubham.com 80

Command 'telnet' not found, but can be installed with:

sudo apt install inetutils-telnet # version 2:2.4-3ubuntu1, or

sudo apt install telnet-ssl # version 0.17.41+really0.17-4

deep@DESKTOP-JFJ21I5:~$ sudo apt install inetutils-telnet

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following NEW packages will be installed:

inetutils-telnet

0 upgraded, 1 newly installed, 0 to remove and 76 not upgraded.

Need to get 100 kB of archives.

After this operation, 247 kB of additional disk space will be used.

Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 inetutils-telnet amd64 2:2.5-3ubuntu4 [100 kB]

Fetched 100 kB in 3s (36.3 kB/s)

Selecting previously unselected package inetutils-telnet.

(Reading database ... 41405 files and directories currently installed.)

Preparing to unpack .../inetutils-telnet\_2%3a2.5-3ubuntu4\_amd64.deb ...

Unpacking inetutils-telnet (2:2.5-3ubuntu4) ...

Setting up inetutils-telnet (2:2.5-3ubuntu4) ...

update-alternatives: using /usr/bin/inetutils-telnet to provide /usr/bin/telnet (telnet) in auto mode

Processing triggers for man-db (2.12.0-4build2) ...

deep@DESKTOP-JFJ21I5:~$ telnet trainwithshubham.com 80

Trying 3.33.251.168...

Connected to trainwithshubham.com.

Escape character is '^]'.

^CConnection closed by foreign host.

deep@DESKTOP-JFJ21I5:~$ telnet trainwithshubham.com 8080

Trying 3.33.251.168...

Connected to trainwithshubham.com.

Escape character is '^]'.

^C

cConnection closed by foreign host.

deep@DESKTOP-JFJ21I5:~$ telnet trainwithshubham.com 44

Trying 3.33.251.168...

Connected to trainwithshubham.com.

Escape character is '^]'.

^C^C^C

^C

Connection closed by foreign host.

deep@DESKTOP-JFJ21I5:~$ ^C

deep@DESKTOP-JFJ21I5:~$ telnet trainwithshubham.com 443

Trying 3.33.251.168...

Connected to trainwithshubham.com.

Escape character is '^]'.

Connection closed by foreign host.

deep@DESKTOP-JFJ21I5:~$ hostname

DESKTOP-JFJ21I5

deep@DESKTOP-JFJ21I5:~$ hostname google.com

hostname: you must be root to change the host name

deep@DESKTOP-JFJ21I5:~$ cat /etc/host

cat: /etc/host: No such file or directory

deep@DESKTOP-JFJ21I5:~$ cat /etc/hosts

# This file was automatically generated by WSL. To stop automatic generation of this file, add the following entry to /etc/wsl.conf:

# [network]

# generateHosts = false

127.0.0.1 localhost

127.0.1.1 DESKTOP-JFJ21I5. DESKTOP-JFJ21I5

﻿

192.168.1.6 host.docker.internal

192.168.1.6 gateway.docker.internal

127.0.0.1 kubernetes.docker.internal

# The following lines are desirable for IPv6 capable hosts

::1 ip6-localhost ip6-loopback

fe00::0 ip6-localnet

ff00::0 ip6-mcastprefix

ff02::1 ip6-allnodes

ff02::2 ip6-allrouters

deep@DESKTOP-JFJ21I5:~$ ip address show

1: lo: <LOOPBACK,UP,LOWER\_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid\_lft forever preferred\_lft forever

inet6 ::1/128 scope host

valid\_lft forever preferred\_lft forever

2: eth0: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1420 qdisc mq state UP group default qlen 1000

link/ether 00:15:5d:00:f9:ca brd ff:ff:ff:ff:ff:ff

inet 172.18.96.140/20 brd 172.18.111.255 scope global eth0

valid\_lft forever preferred\_lft forever

inet6 fe80::215:5dff:fe00:f9ca/64 scope link

valid\_lft forever preferred\_lft forever

deep@DESKTOP-JFJ21I5:~$ iwconfig

Command 'iwconfig' not found, but can be installed with:

sudo apt install wireless-tools

deep@DESKTOP-JFJ21I5:~$ sudo apt install wireless-tools

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

libiw30t64

The following NEW packages will be installed:

libiw30t64 wireless-tools

0 upgraded, 2 newly installed, 0 to remove and 76 not upgraded.

Need to get 128 kB of archives.

After this operation, 364 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 libiw30t64 amd64 30~pre9-16.1ubuntu2 [18.6 kB]

Get:2 http://archive.ubuntu.com/ubuntu noble/main amd64 wireless-tools amd64 30~pre9-16.1ubuntu2 [110 kB]

Fetched 128 kB in 3s (42.8 kB/s)

Selecting previously unselected package libiw30t64:amd64.

(Reading database ... 41414 files and directories currently installed.)

Preparing to unpack .../libiw30t64\_30~pre9-16.1ubuntu2\_amd64.deb ...

Adding 'diversion of /lib/x86\_64-linux-gnu/libiw.so.30 to /lib/x86\_64-linux-gnu/libiw.so.30.usr-is-merged by libiw30t64'

Unpacking libiw30t64:amd64 (30~pre9-16.1ubuntu2) ...

Selecting previously unselected package wireless-tools.

Preparing to unpack .../wireless-tools\_30~pre9-16.1ubuntu2\_amd64.deb ...

Unpacking wireless-tools (30~pre9-16.1ubuntu2) ...

Setting up libiw30t64:amd64 (30~pre9-16.1ubuntu2) ...

Removing 'diversion of /lib/x86\_64-linux-gnu/libiw.so.30 to /lib/x86\_64-linux-gnu/libiw.so.30.usr-is-merged by libiw30t64'

Setting up wireless-tools (30~pre9-16.1ubuntu2) ...

Processing triggers for libc-bin (2.39-0ubuntu8.4) ...

Processing triggers for man-db (2.12.0-4build2) ...

deep@DESKTOP-JFJ21I5:~$ iwconfig

lo no wireless extensions.

eth0 no wireless extensions.

deep@DESKTOP-JFJ21I5:~$ ss

Netid State Recv-Q Send-Q Local Address:Port Peer Address:Port Process

u\_str ESTAB 0 0 @9efc50d3a13c4dcc/bus/systemd-timesyn/bus-api-timesync 19897 \* 20043

u\_dgr ESTAB 0 0 /run/systemd/notify 18706 \* 0

u\_dgr ESTAB 0 0 /run/systemd/journal/dev-log 18722 \* 0

Netowrking

deep@DESKTOP-JFJ21I5:~$ dig trainwithshubham.com

; <<>> DiG 9.18.30-0ubuntu0.24.04.2-Ubuntu <<>> trainwithshubham.com

;; global options: +cmd

;; Got answer:

;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 39107

;; flags: qr rd ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 0

;; WARNING: recursion requested but not available

;; QUESTION SECTION:

;trainwithshubham.com. IN A

;; ANSWER SECTION:

trainwithshubham.com. 0 IN A 3.33.251.168

trainwithshubham.com. 0 IN A 15.197.225.128

;; Query time: 0 msec

;; SERVER: 172.18.96.1#53(172.18.96.1) (UDP)

;; WHEN: Mon Feb 17 04:02:20 UTC 2025

;; MSG SIZE rcvd: 90

deep@DESKTOP-JFJ21I5:~$ whois trainwithshubham.com

Command 'whois' not found, but can be installed with:

sudo apt install whois

deep@DESKTOP-JFJ21I5:~$ sudo apt install whois

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following NEW packages will be installed:

whois

0 upgraded, 1 newly installed, 0 to remove and 76 not upgraded.

Need to get 51.7 kB of archives.

After this operation, 279 kB of additional disk space will be used.

Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 whois amd64 5.5.22 [51.7 kB]

Fetched 51.7 kB in 2s (21.8 kB/s)

Selecting previously unselected package whois.

(Reading database ... 41470 files and directories currently installed.)

Preparing to unpack .../whois\_5.5.22\_amd64.deb ...

Unpacking whois (5.5.22) ...

Setting up whois (5.5.22) ...

Processing triggers for man-db (2.12.0-4build2) ...

deep@DESKTOP-JFJ21I5:~$ whois trainwithshubham.com

Domain Name: TRAINWITHSHUBHAM.COM

Registry Domain ID: 2658723068\_DOMAIN\_COM-VRSN

Registrar WHOIS Server: whois.godaddy.com

Registrar URL: http://www.godaddy.com

Updated Date: 2024-12-04T06:25:14Z

Creation Date: 2021-12-01T11:33:03Z

Registry Expiry Date: 2026-12-01T11:33:03Z

Registrar: GoDaddy.com, LLC

Registrar IANA ID: 146

Registrar Abuse Contact Email: abuse@godaddy.com

Registrar Abuse Contact Phone: 480-624-2505

Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited

Domain Status: clientRenewProhibited https://icann.org/epp#clientRenewProhibited

Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited

Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited

Name Server: NS45.DOMAINCONTROL.COM

Name Server: NS46.DOMAINCONTROL.COM

DNSSEC: unsigned

URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/

>>> Last update of whois database: 2025-02-17T04:03:52Z <<<

For more information on Whois status codes, please visit https://icann.org/epp

NOTICE: The expiration date displayed in this record is the date the

registrar's sponsorship of the domain name registration in the registry is

currently set to expire. This date does not necessarily reflect the expiration

date of the domain name registrant's agreement with the sponsoring

registrar. Users may consult the sponsoring registrar's Whois database to

view the registrar's reported date of expiration for this registration.

TERMS OF USE: You are not authorized to access or query our Whois

database through the use of electronic processes that are high-volume and

automated except as reasonably necessary to register domain names or

modify existing registrations; the Data in VeriSign Global Registry

Services' ("VeriSign") Whois database is provided by VeriSign for

information purposes only, and to assist persons in obtaining information

about or related to a domain name registration record. VeriSign does not

guarantee its accuracy. By submitting a Whois query, you agree to abide

by the following terms of use: You agree that you may use this Data only

for lawful purposes and that under no circumstances will you use this Data

to: (1) allow, enable, or otherwise support the transmission of mass

unsolicited, commercial advertising or solicitations via e-mail, telephone,

or facsimile; or (2) enable high volume, automated, electronic processes

that apply to VeriSign (or its computer systems). The compilation,

repackaging, dissemination or other use of this Data is expressly

prohibited without the prior written consent of VeriSign. You agree not to

use electronic processes that are automated and high-volume to access or

query the Whois database except as reasonably necessary to register

domain names or modify existing registrations. VeriSign reserves the right

to restrict your access to the Whois database in its sole discretion to ensure

operational stability. VeriSign may restrict or terminate your access to the

Whois database for failure to abide by these terms of use. VeriSign

reserves the right to modify these terms at any time.

The Registry database contains ONLY .COM, .NET, .EDU domains and

Registrars.

Rate limit exceeded. Try again after: 24h0m0s

deep@DESKTOP-JFJ21I5:~$ whois google.com

Domain Name: GOOGLE.COM

Registry Domain ID: 2138514\_DOMAIN\_COM-VRSN

Registrar WHOIS Server: whois.markmonitor.com

Registrar URL: http://www.markmonitor.com

Updated Date: 2019-09-09T15:39:04Z

Creation Date: 1997-09-15T04:00:00Z

Registry Expiry Date: 2028-09-14T04:00:00Z

Registrar: MarkMonitor Inc.

Registrar IANA ID: 292

Registrar Abuse Contact Email: abusecomplaints@markmonitor.com

Registrar Abuse Contact Phone: +1.2086851750

Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited

Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited

Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited

Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited

Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited

Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited

Name Server: NS1.GOOGLE.COM

Name Server: NS2.GOOGLE.COM

Name Server: NS3.GOOGLE.COM

Name Server: NS4.GOOGLE.COM

DNSSEC: unsigned

URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/

>>> Last update of whois database: 2025-02-17T04:05:22Z <<<

For more information on Whois status codes, please visit https://icann.org/epp

NOTICE: The expiration date displayed in this record is the date the

registrar's sponsorship of the domain name registration in the registry is

currently set to expire. This date does not necessarily reflect the expiration

date of the domain name registrant's agreement with the sponsoring

registrar. Users may consult the sponsoring registrar's Whois database to

view the registrar's reported date of expiration for this registration.

TERMS OF USE: You are not authorized to access or query our Whois

database through the use of electronic processes that are high-volume and

automated except as reasonably necessary to register domain names or

modify existing registrations; the Data in VeriSign Global Registry

Services' ("VeriSign") Whois database is provided by VeriSign for

information purposes only, and to assist persons in obtaining information

about or related to a domain name registration record. VeriSign does not

guarantee its accuracy. By submitting a Whois query, you agree to abide

by the following terms of use: You agree that you may use this Data only

for lawful purposes and that under no circumstances will you use this Data

to: (1) allow, enable, or otherwise support the transmission of mass

unsolicited, commercial advertising or solicitations via e-mail, telephone,

or facsimile; or (2) enable high volume, automated, electronic processes

that apply to VeriSign (or its computer systems). The compilation,

repackaging, dissemination or other use of this Data is expressly

prohibited without the prior written consent of VeriSign. You agree not to

use electronic processes that are automated and high-volume to access or

query the Whois database except as reasonably necessary to register

domain names or modify existing registrations. VeriSign reserves the right

to restrict your access to the Whois database in its sole discretion to ensure

operational stability. VeriSign may restrict or terminate your access to the

Whois database for failure to abide by these terms of use. VeriSign

reserves the right to modify these terms at any time.

The Registry database contains ONLY .COM, .NET, .EDU domains and

Registrars.

Domain Name: google.com

Registry Domain ID: 2138514\_DOMAIN\_COM-VRSN

Registrar WHOIS Server: whois.markmonitor.com

Registrar URL: http://www.markmonitor.com

Updated Date: 2024-08-02T02:17:33+0000

Creation Date: 1997-09-15T07:00:00+0000

Registrar Registration Expiration Date: 2028-09-13T07:00:00+0000

Registrar: MarkMonitor, Inc.

Registrar IANA ID: 292

Registrar Abuse Contact Email: abusecomplaints@markmonitor.com

Registrar Abuse Contact Phone: +1.2086851750

Domain Status: clientUpdateProhibited (https://www.icann.org/epp#clientUpdateProhibited)

Domain Status: clientTransferProhibited (https://www.icann.org/epp#clientTransferProhibited)

Domain Status: clientDeleteProhibited (https://www.icann.org/epp#clientDeleteProhibited)

Domain Status: serverUpdateProhibited (https://www.icann.org/epp#serverUpdateProhibited)

Domain Status: serverTransferProhibited (https://www.icann.org/epp#serverTransferProhibited)

Domain Status: serverDeleteProhibited (https://www.icann.org/epp#serverDeleteProhibited)

Registrant Organization: Google LLC

Registrant State/Province: CA

Registrant Country: US

Registrant Email: Select Request Email Form at https://domains.markmonitor.com/whois/google.com

Admin Organization: Google LLC

Admin State/Province: CA

Admin Country: US

Admin Email: Select Request Email Form at https://domains.markmonitor.com/whois/google.com

Tech Organization: Google LLC

Tech State/Province: CA

Tech Country: US

Tech Email: Select Request Email Form at https://domains.markmonitor.com/whois/google.com

Name Server: ns2.google.com

Name Server: ns1.google.com

Name Server: ns4.google.com

Name Server: ns3.google.com

DNSSEC: unsigned

URL of the ICANN WHOIS Data Problem Reporting System: http://wdprs.internic.net/

>>> Last update of WHOIS database: 2025-02-17T04:03:43+0000 <<<

For more information on WHOIS status codes, please visit:

https://www.icann.org/resources/pages/epp-status-codes

If you wish to contact this domain’s Registrant, Administrative, or Technical

contact, and such email address is not visible above, you may do so via our web

form, pursuant to ICANN’s Temporary Specification. To verify that you are not a

robot, please enter your email address to receive a link to a page that

facilitates email communication with the relevant contact(s).

Web-based WHOIS:

https://domains.markmonitor.com/whois

If you have a legitimate interest in viewing the non-public WHOIS details, send

your request and the reasons for your request to whoisrequest@markmonitor.com

and specify the domain name in the subject line. We will review that request and

may ask for supporting documentation and explanation.

The data in MarkMonitor’s WHOIS database is provided for information purposes,

and to assist persons in obtaining information about or related to a domain

name’s registration record. While MarkMonitor believes the data to be accurate,

the data is provided "as is" with no guarantee or warranties regarding its

accuracy.

By submitting a WHOIS query, you agree that you will use this data only for

lawful purposes and that, under no circumstances will you use this data to:

(1) allow, enable, or otherwise support the transmission by email, telephone,

or facsimile of mass, unsolicited, commercial advertising, or spam; or

(2) enable high volume, automated, or electronic processes that send queries,

data, or email to MarkMonitor (or its systems) or the domain name contacts (or

its systems).

MarkMonitor reserves the right to modify these terms at any time.

By submitting this query, you agree to abide by this policy.

MarkMonitor Domain Management(TM)

Protecting companies and consumers in a digital world.

Visit MarkMonitor at https://www.markmonitor.com

Contact us at +1.8007459229

In Europe, at +44.02032062220

--

deep@DESKTOP-JFJ21I5:~$ nc trainwithshubham.com 80

^C

deep@DESKTOP-JFJ21I5:~$ arp

Address HWtype HWaddress Flags Mask Iface

DESKTOP-JFJ21I5 ether 00:15:5d:52:e4:63 C eth0

deep@DESKTOP-JFJ21I5:~$ ifplugstatus

Command 'ifplugstatus' not found, but can be installed with:

sudo apt install ifplugd

deep@DESKTOP-JFJ21I5:~$ sudo apt install ifplugd

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

bridge-utils containerd dns-root-data dnsmasq-base iptables libip6tc2 libnetfilter-conntrack3 libnfnetlink0 libnftables1 libnftnl11 nftables pigz runc ubuntu-fan

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

ifupdown libdaemon0

Suggested packages:

wpasupplicant ppp rdnssd

The following NEW packages will be installed:

ifplugd ifupdown libdaemon0

0 upgraded, 3 newly installed, 0 to remove and 76 not upgraded.

Need to get 137 kB of archives.

After this operation, 475 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 libdaemon0 amd64 0.14-7.1ubuntu4 [13.0 kB]

Get:2 http://archive.ubuntu.com/ubuntu noble/universe amd64 ifplugd amd64 0.28-19.7 [58.6 kB]

Get:3 http://archive.ubuntu.com/ubuntu noble/universe amd64 ifupdown amd64 0.8.41ubuntu1 [65.9 kB]

Fetched 137 kB in 4s (32.2 kB/s)

Preconfiguring packages ...

Selecting previously unselected package libdaemon0:amd64.

(Reading database ... 41481 files and directories currently installed.)

Preparing to unpack .../libdaemon0\_0.14-7.1ubuntu4\_amd64.deb ...

Unpacking libdaemon0:amd64 (0.14-7.1ubuntu4) ...

Selecting previously unselected package ifplugd.

Preparing to unpack .../ifplugd\_0.28-19.7\_amd64.deb ...

Unpacking ifplugd (0.28-19.7) ...

Selecting previously unselected package ifupdown.

Preparing to unpack .../ifupdown\_0.8.41ubuntu1\_amd64.deb ...

Unpacking ifupdown (0.8.41ubuntu1) ...

Setting up ifupdown (0.8.41ubuntu1) ...

Creating /etc/network/interfaces.

Created symlink /etc/systemd/system/multi-user.target.wants/networking.service → /usr/lib/systemd/system/networking.service.

Created symlink /etc/systemd/system/network-online.target.wants/networking.service → /usr/lib/systemd/system/networking.service.

Setting up libdaemon0:amd64 (0.14-7.1ubuntu4) ...

Setting up ifplugd (0.28-19.7) ...

Processing triggers for man-db (2.12.0-4build2) ...

Processing triggers for libc-bin (2.39-0ubuntu8.4) ...

deep@DESKTOP-JFJ21I5:~$ ifplugstatus

lo: link beat detected

eth0: link beat detected

deep@DESKTOP-JFJ21I5:~$

curl to get resposense from server

curl to get api-calls ,wget to download file from srver or from stie

watch har 2 seocnd main chala do , cmd ka output show karega lagataor , har 2 sec , ya har 5 sec main cmd chalao – to check status

nmap scan ka liye use karet hai

deep@DESKTOP-JFJ21I5:~$ curl -x get https://jsonplaceholder.typicode.com/todos/1

curl: (5) Could not resolve proxy: get

deep@DESKTOP-JFJ21I5:~$ curl -X Get https://jsonplaceholder.typicode.com/todos/1

<html>

<head><title>400 Bad Request</title></head>

<body>

<center><h1>400 Bad Request</h1></center>

<hr><center>cloudflare</center>

</body>

</html>

deep@DESKTOP-JFJ21I5:~$ curl -X GET https://dummyjson.com/products

{"products":[{"id":1,"title":"Essence Mascara Lash Princess","description":"

deep@DESKTOP-JFJ21I5:~$ curl -X GET https://dummyjson.com/products | jq

% Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:-- 0Command 'jq' not found, but can be installed with:

sudo snap install jq # version 1.5+dfsg-1, or

sudo apt install jq # version 1.7.1-2

See 'snap info jq' for additional versions.

5 44275 5 2438 0 0 1569 0 0:00:28 0:00:01 0:00:27 1570

curl: (23) Failure writing output to destination

deep@DESKTOP-JFJ21I5:~$ sudo apt install jq

deep@DESKTOP-JFJ21I5:~$ curl -X GET https://dummyjson.com/products | jq

% Total % Received % Xferd Average Speed Time Time Time Current

deep@DESKTOP-JFJ21I5:~$ wget https://file-examples.com/wp-content/storage/2017/02/file-sample\_100kB.doc

--2025-02-17 04:21:37-- https://file-examples.com/wp-content/storage/2017/02/file-sample\_100kB.doc

deep@DESKTOP-JFJ21I5:~$ ls

cloud cloud.tar.gz demo-file.txt devops. file-sample\_100kB.doc hello.txt ldf.zip linux\_for\_devops my-file.txt newfile.txt nohup.out softlink-file

deep@DESKTOP-JFJ21I5:~$ iptables

iptables v1.8.10 (nf\_tables): no command specified

Try `iptables -h' or 'iptables --help' for more information.

deep@DESKTOP-JFJ21I5:~$ iptables -h

iptables v1.8.10 (nf\_tables)

deep@DESKTOP-JFJ21I5:~$ sudo iptables --list-rules

-P INPUT ACCEPT

deep@DESKTOP-JFJ21I5:~$ watch mtr trainwithshubham.com

deep@DESKTOP-JFJ21I5:~$ watch top

deep@DESKTOP-JFJ21I5:~$ watch -n 5 top

deep@DESKTOP-JFJ21I5:~$ nmap

Command 'nmap' not found, but can be installed with:

sudo snap install nmap # version 7.95, or

sudo apt install nmap # version 7.94+git20230807.3be01efb1+dfsg-2

See 'snap info nmap' for additional versions.

deep@DESKTOP-JFJ21I5:~$ sudo apt install nmap

deep@DESKTOP-JFJ21I5:~$ nmap -v trainwithshubham.com

Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-02-17 04:31 UTC

Initiating Ping Scan at 04:31

deep@DESKTOP-JFJ21I5:~$ route

Kernel IP routing table

Destination Gateway Genmask Flags Metric Ref Use Iface

default 172.18.96.1 0.0.0.0 UG 0 0 0 eth0

AWK = PROGRAMMING KAR SKATE HAI KLINUX MAIN

Awk programming language ka access dedega , awk main formaated data chaiye ,strucuted data ko

Sed unformatted data ka liye , awk fomrateed dta

Sen unstarutcred , semi structure pa kam karta hai

ubuntu@ip-172-31-10-157 :~ /day5$ awk '/INFO/ {count++}' app. log

ubuntu@ip-172-31-10-157 :~ /day5$ awk '/INFO/ {count++} END {print count}' app

log

16

ubuntu@ip-172-31-10-157 :~ /day5$ awk '/INFO/ {count++} END {print "The count

of INFO IS", count}' app. log

The count of INFO IS 16

ubuntu@ip-172-31-10-157 :~ /day5$ awk '/9.67.116.98/ {count++} END {print "The

count of IP IS", count}' app. log

The count of IP IS 13

ubuntu@ip-172-31-10-157 :~ /day5$

deep@DESKTOP-JFJ21I5:~$ mkdir day5

deep@DESKTOP-JFJ21I5:~$ cd day5

deep@DESKTOP-JFJ21I5:~/day5$ vim app.log

deep@DESKTOP-JFJ21I5:~/day5$ head -n 2 app.log

n 4s (32.2 kB/s)

Preconfiguring packages ...

deep@DESKTOP-JFJ21I5:~/day5$ awk '{print}' app.log

n 4s (32.2 kB/s)

deep@DESKTOP-JFJ21I5:~/day5$ awk '{print$1}' app.log

n

Preconfigur

deep@DESKTOP-JFJ21I5:~/day5$ awk '{print $1,$2}' app.log

n 4s

Preconfiguring packages

Selecting previou

deep@DESKTOP-JFJ21I5:~/day5$ awk '{print $1,$2,$4}' app.log

n 4s kB/s)

Preconfiguring packages

deep@DESKTOP-JFJ21I5:~/day5$ awk '/unpacking/ {print $1,$2,$4}' app.log

deep@DESKTOP-JFJ21I5:~/day5$ awk '/unpacking/ {print}' app.log

deep@DESKTOP-JFJ21I5:~/day5$ awk '/unpacking/ {print}' app.log > only\_info.log

deep@DESKTOP-JFJ21I5:~/day5$ ls

app.log only\_info.log

deep@DESKTOP-JFJ21I5:~/day5$ notepad only\_info.log

notepad: command not found

deep@DESKTOP-JFJ21I5:~/day5$ vim only\_info.log

deep@DESKTOP-JFJ21I5:~/day5$ awk '/creating/ {print}' app.log > only\_info.log

deep@DESKTOP-JFJ21I5:~/day5$ awk '/creating/ {print}' app.log

deep@DESKTOP-JFJ21I5:~/day5$ awk -i IGNORECASE '/unpacking/ {print}' app.log

awk: fatal: cannot open source file `IGNORECASE' for reading: No such file or directory

deep@DESKTOP-JFJ21I5:~/day5$ awk '/INFO/ {count++} END{print count}' app.log

deep@DESKTOP-JFJ21I5:~/day5$ awk '/creating/ {count++} END{print count}' app.log

deep@DESKTOP-JFJ21I5:~/day5$ awk '/created/ {count++} END{print count}' app.log

deep@DESKTOP-JFJ21I5:~/day5$ cat app.log

deep@DESKTOP-JFJ21I5:~/day5$ awk '' app.log

deep@DESKTOP-JFJ21I5:~/day5$ awk '$2' app.log

n 4s (32.2 kB/s)

deep@DESKTOP-JFJ21I5:~/day5$ awk '{print $2}' app.log

4s

packages

deep@DESKTOP-JFJ21I5:~/day5$ head app.log

n 4s (32.2 kB/s)

Preconfiguring packages ...

deep@DESKTOP-JFJ21I5:~/day5$ awk 'NR >=2 && NR <=10 {print}'

^C

deep@DESKTOP-JFJ21I5:~/day5$ awk 'NR >=2 && NR <=10 {print NR}' app.log

2

deep@DESKTOP-JFJ21I5:~/day5$ awk 'NR >=2 && NR <=10 {print}' app.log

Preconfiguring packages ...

eep@DESKTOP-JFJ21I5:~/day5$ sed -n '/created/p'app/log

sed: -e expression #1, char 11: extra characters after command

deep@DESKTOP-JFJ21I5:~/day5$ sed 's/INFO/LOG/g' app.log

n 4s (32.2 kB/s)

Preconfiguring packages ...

deep@DESKTOP-JFJ21I5:~/day5$ sed '1,10 s/created/logs/g' app.log

n 4s (32.2 kB/s)

Preconfiguring packages ...

deep@DESKTOP-JFJ21I5:~/day5$ grep created app.log

deep@DESKTOP-JFJ21I5:~/day5$ grep INFO app.log

deep@DESKTOP-JFJ21I5:~/day5$ grep -i -c app.log

^C

deep@DESKTOP-JFJ21I5:~/day5$ ps aux

USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND

root 1 0.0 0.1 22060 13296 ? Ss 03:38 0:03 /sbin/init

deep@DESKTOP-JFJ21I5:~/day5$ ps aux | grep ubuntu

deep 2080 0.0 0.0 4088 1816 pts/0 S+ 05:34 0:00 grep --color=auto ubuntu

deep@DESKTOP-JFJ21I5:~/day5$ ps aux | grep deeps

EBS

SSH AN EC2

C:\Users\user121\Downloads>chmod 400 "ebs-key.pem"

'chmod' is not recognized as an internal or external command,

operable program or batch file.

C:\Users\user121\Downloads>icacls "C:\Users\user121\Downloads\ebs-key.pem" /inheritance:r /grant:r "%USERNAME%:R"

processed file: C:\Users\user121\Downloads\ebs-key.pem

Successfully processed 1 files; Failed processing 0 files

C:\Users\user121\Downloads>ls

'ls' is not recognized as an internal or external command,

operable program or batch file.

C:\Users\user121\Downloads>dir

Volume in drive C has no label.

C:\Users\user121\Downloads>ssh -i "ebs-key.pem" ubuntu@ec2-65-1-107-102.ap-south-1.compute.amazonaws.com

The authenticity of host 'ec2-65-1-107-102.ap-south-1.compute.amazonaws.com (65.1.107.102)' can't be established.

ED25519 key fingerprint is SHA256:Su9aHkfht58jebIBT9NVl13XISDNv/YQiGoqjoEbU6E.

ubuntu@ip-172-31-4-7:~$ lsblk

NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS

loop0 7:0 0 26.3M 1 loop /snap/amazon-ssm-agent/9881

loop1 7:1 0 73.9M 1 loop /snap/core22/1722

loop2 7:2 0 44.4M 1 loop /snap/snapd/23545

xvda 202:0 0 8G 0 disk

├─xvda1 202:1 0 7G 0 part /

├─xvda14 202:14 0 4M 0 part

├─xvda15 202:15 0 106M 0 part /boot/efi

└─xvda16 259:0 0 913M 0 part /boot

ubuntu@ip-172-31-4-7:~$ lsblk

NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS