ASSIGNMENT 3

LINUX

Ques 1. Install VirtualBox (Vagrant) on your laptop, spin up centos 7, and Ubuntu 18.04 Machine.
centos /7 and ubuntu/bionic64 are the Vagrant boxes that you need to download.
Solution:

Commands to install VirtualBox:

Sudo apt update

Sudo apt install virtualbox

Sudo apt install vagrant

Mkdir ~/vagrant

Cd ~/vagrant

Vagrant init centos/7 (vagrant init ubuntu/bionic64)

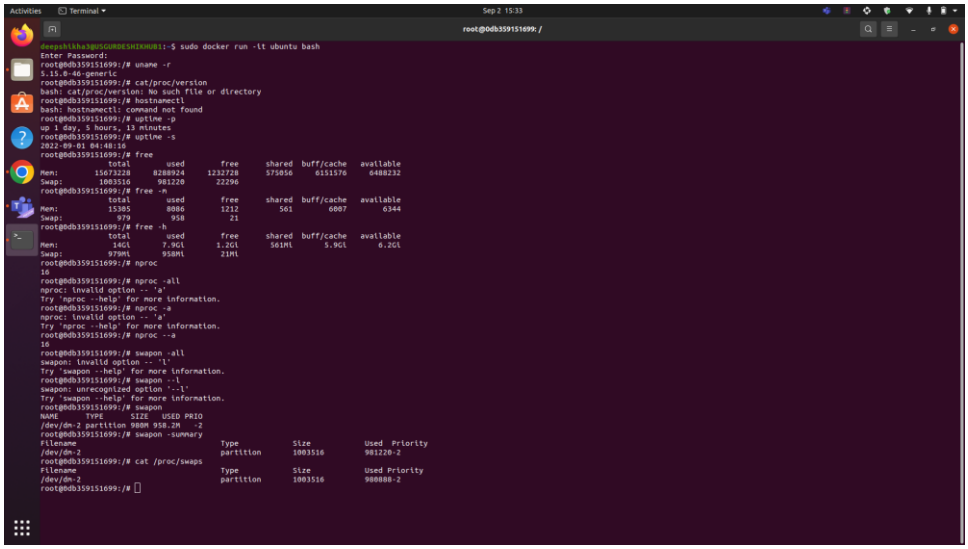
Vagrant up

Vagrant ssh

Vagrant halt

Vargant destroy

Ques 2. Find OS version, kernel version, uptime, memory, cores, and swap details of Linux machine.
a. Be ready to explain what is free & available memory.
b. Release all cache memory & how do you manage the same in a prod env.
c. Increase the ulimit for the current user to 1028.
d. Change the timezone to IST
Solution:



The uname command displays several system information including, the Linux kernel architecture, name version, and release.

The nproc command shows the number of processing units available on your Linux machine, run

a) Free memory is the amount of memory that is currently <u>not used for anything</u>. For this reason, especially on servers, I like to consider free memory as wasted memory. Once your applications/processes have launched and considerable uptime has passed, this number should almost always be small.

Available memory is the amount of memory that is available for allocation to new or existing processes. Available memory is then an estimation of how much memory is available for use without swapping.

The **difference between free memory vs. available memory in Linux** is, that free memory is not in use and sits there doing nothing. While available memory is used memory that includes but is not limited to caches and buffers, that can be freed without the performance penalty of using swap space.

b) swapoff -a && swapon -a

c) ulimit -c ulimited
ulimit -c
unlimited

d) timedatectl is a command-line utility that allows you to view and change the system's time and date.

1.First search for the available time zone by the below command.

timedatectl list-timezones | grep -i Asia

2. Then unlink the current timezone

sudo unlink /etc/localtime

3.Now set the new timezone. The syntax for setting the new time zone is as below

sudo ln -s /usr/share/zoneinfo/[zone/timezone] /etc/localtime

For example

sudo ln -s /usr/share/zoneinfo/Asia/Kolkata /etc/localtime

4. Now check the DateTime using date command.

date

Commands:

uname –srm

cat /proc/version

cat /etc/os-release command to find os name and version in Linux:
lsb_release -a
hostnamectl

command to find Linux kernel version:
uname -r

uptime –p

uptime –s

Free

free –m

free –h

Nproc

nproc –all

swapon –all

swapon –summary

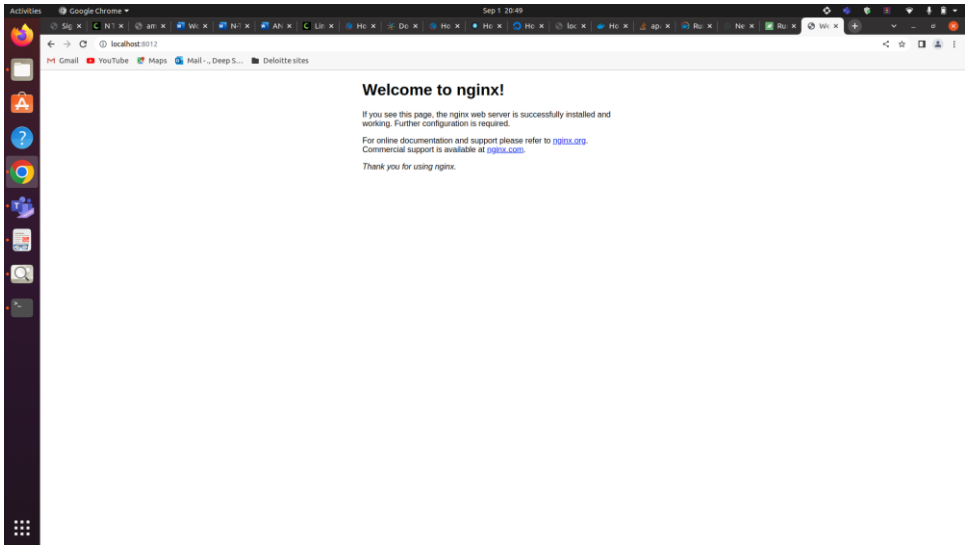
cat /proc/swaps

Ques 3. Install nginx
a. Configure the web server. Change the default location
b.Route all the requests to port 8080.
c. Configure the web server which shows files/directories and make them downloadable from the web page.

Solution:

sudo apt update
sudo apt install nginx

systemctl status nginx



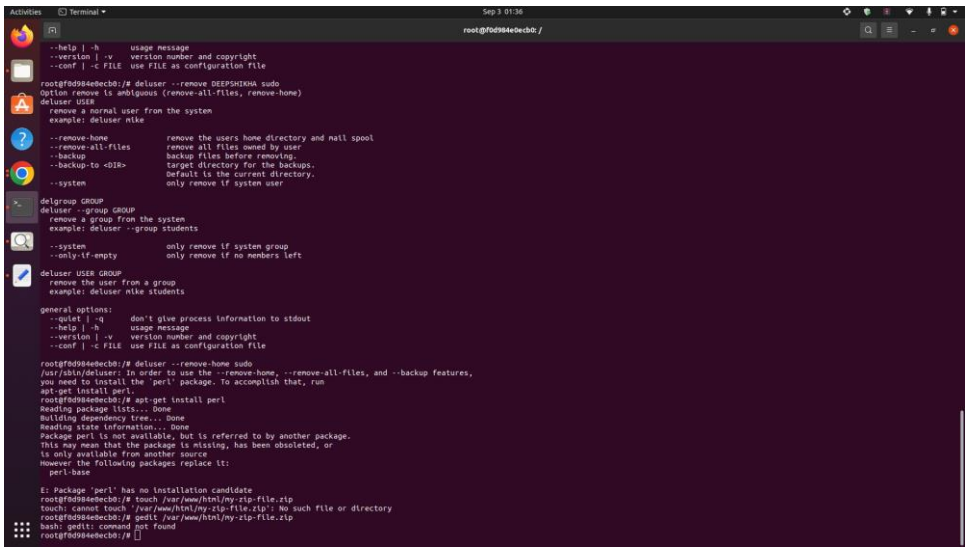
Steps:

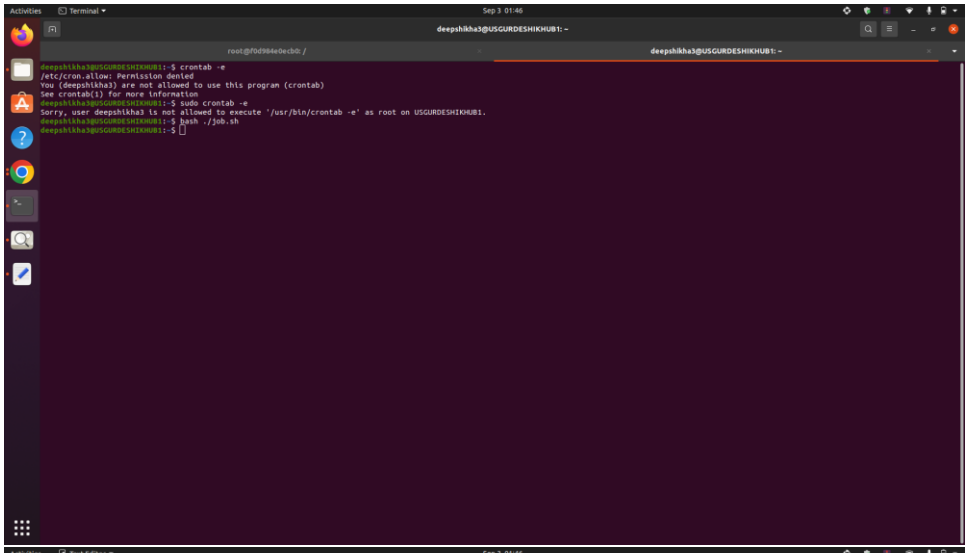
a) DocumentRoot /home/trendoceans/Documents/sitedata
<Directory "/home/trendoceans/Documents/sitedata">
Require all granted
</Directory>

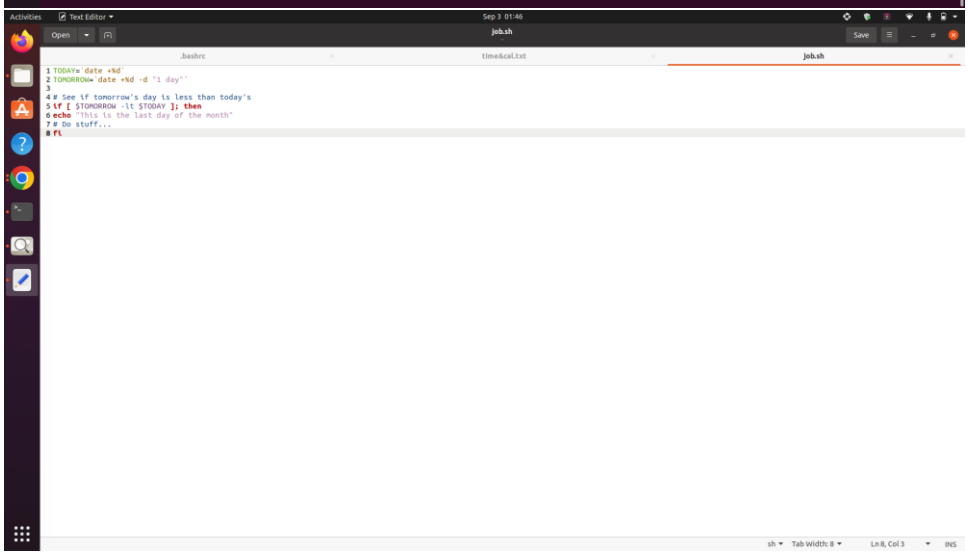
b) sudo vi /etc/apache2/sites-available/000-default.conf

Ques 4. Create a job in crontab to create zip of system logs every last day of the month and keep only the last 30 days' logs.

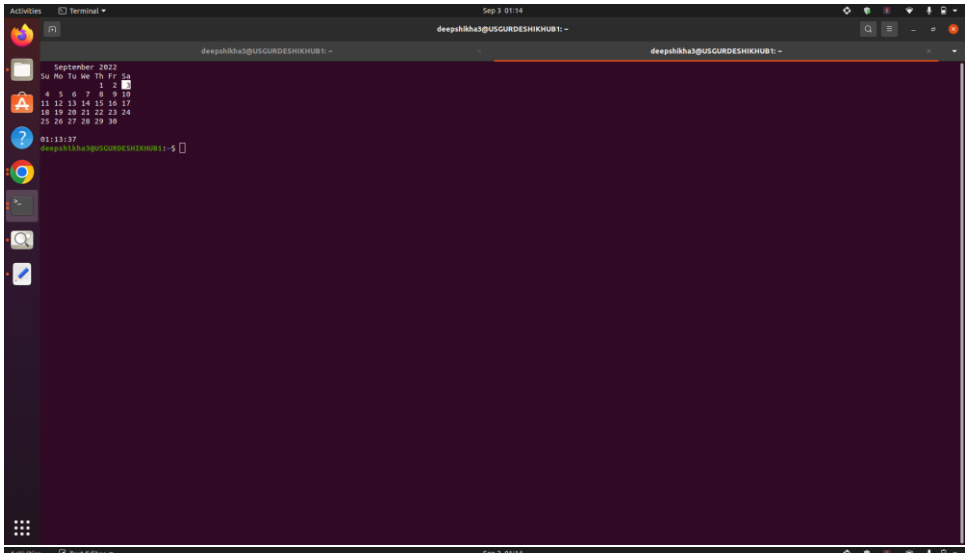
Solution:

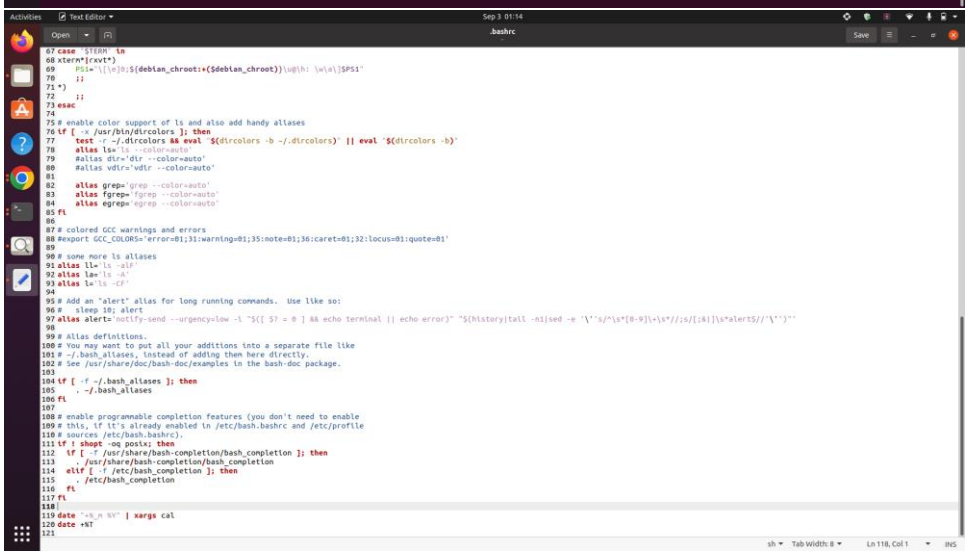






Ques 5. Date and Calendar should print whenever I open the terminal
Solution:





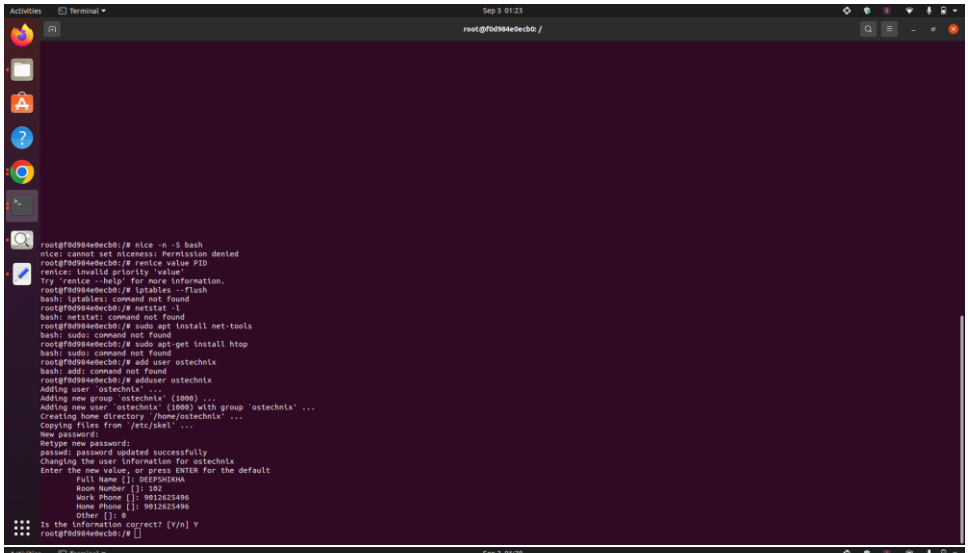
Command used:

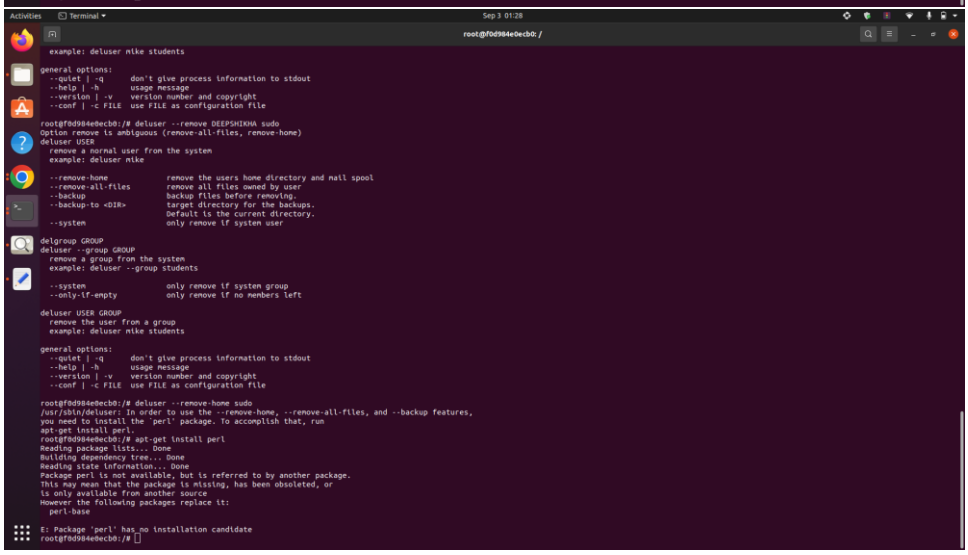
date "+%_m %Y" | xargs cal
date +%T

Steps:

1. **Edit the ~barch file add the commands given above.**
2. **Save the file and open terminal.**
3. **The output is shown in screenshots.**

Ques 6. Create a User, and give it sudo privileges. But remove the power of rm.
Solution:





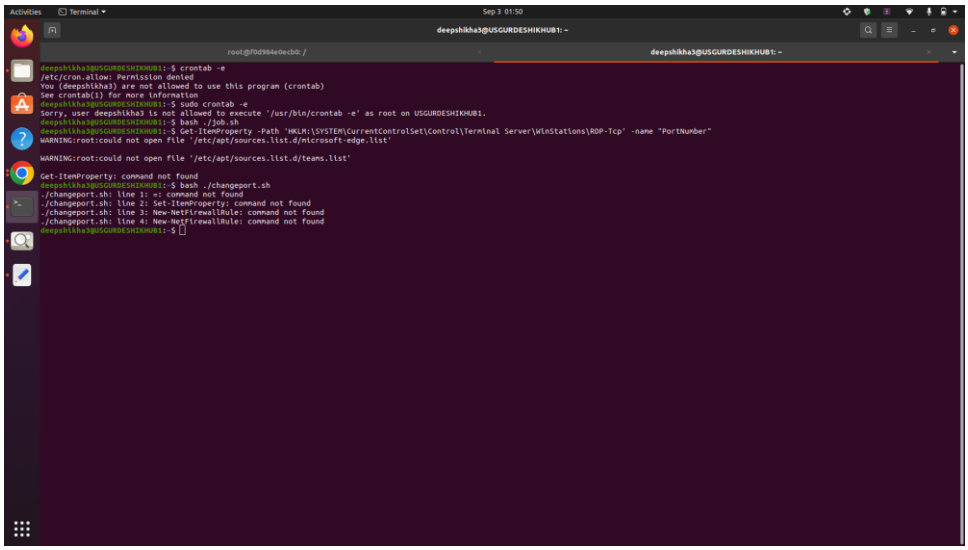
Commands:

sudo adduser ostechnix

sudo deluser --remove-home username

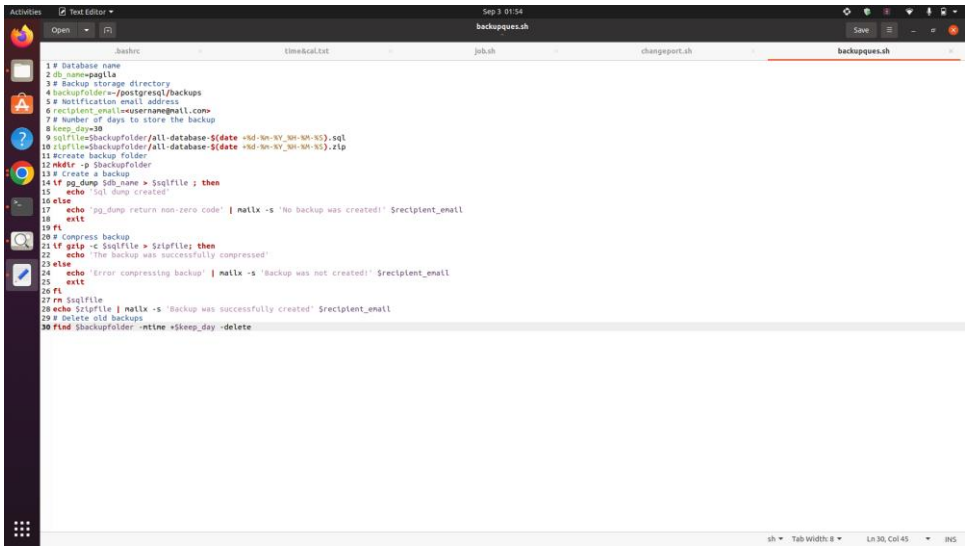
Ques 7. Change the default port number for RDP to 8339 and document on the same.

Solution:



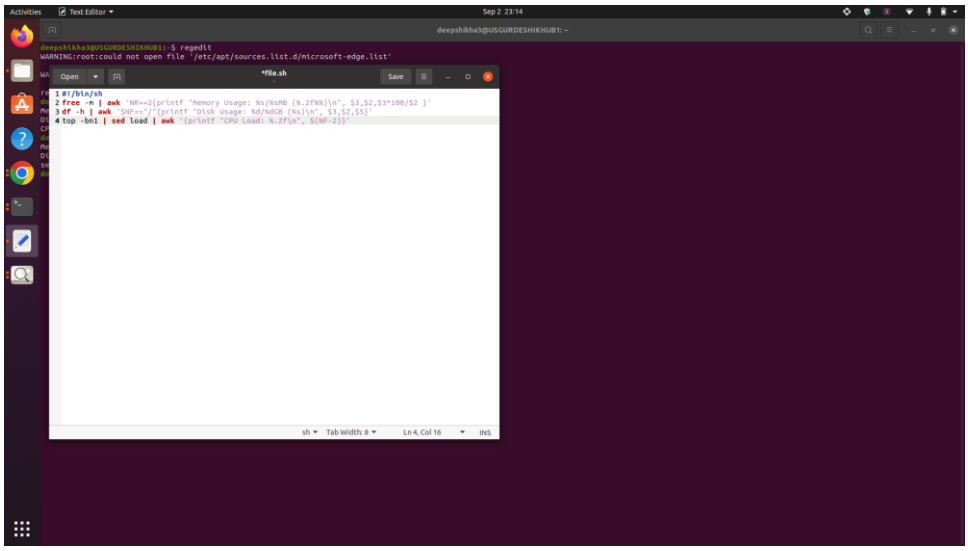
Ques 8. Create a script to take regular backup of the database(MySql & Postgres), say every day at 11PM.

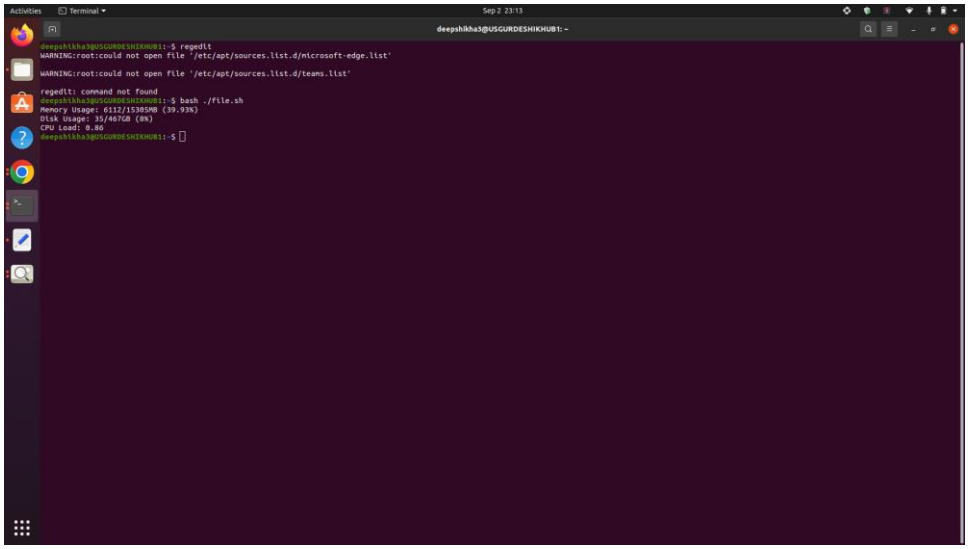
Solution:



Ques 9. Create a file that contains memory usage and the number of cpu in linux using the sed command.

Solution:





Steps:

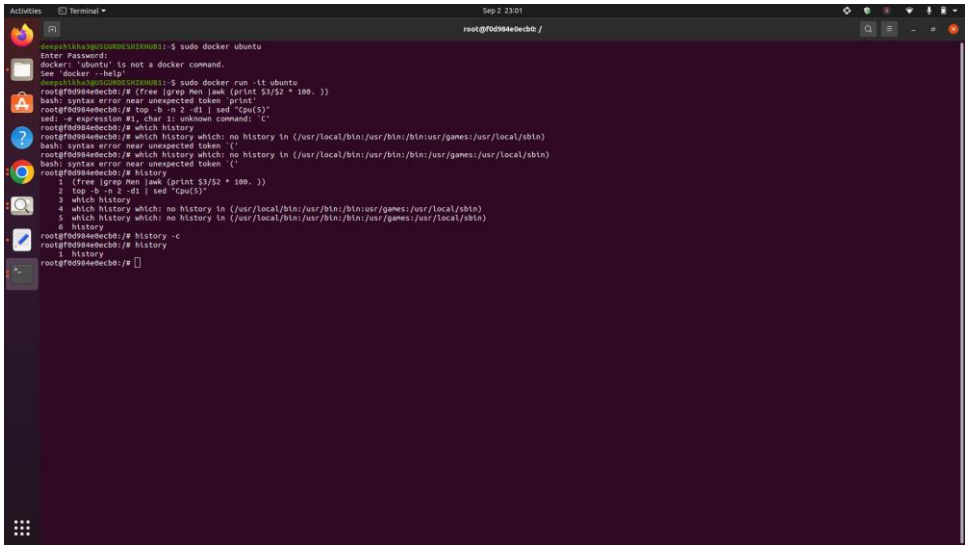
1. **I created a script with code to find memory usage and cpu in linux.**
2. **Saved the file with .sh extension.**
3. **Open the terminal and run the file.**
4. **The output is attched in the screenshot.**

Command:

bash ./file.sh

Ques 10. Find a file with all command line history and Delete the Complete Command line History.

Solution:



Steps:

1. **Checked the history of command line.**
2. **Delete the history of command line.**

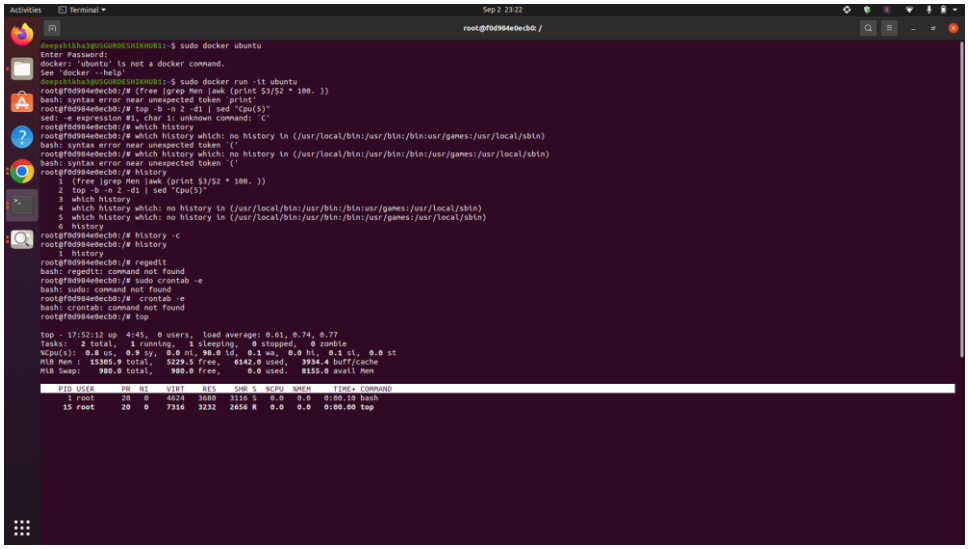
Commands used:

History

History -c

Ques 11. Detecting which process has the highest priority in the system. Now find out what its purpose is.

Solution:



The running instance of program is process, and each process needs space in RAM and CPU time to be executed, each process has its priority in which it is executed. The column NI represents nice value of a process.

Nice value only controls CPU time assigned to process and not utilisation of memory and I/O devices.

nice and renice command
nice command is used to start a process with specified nice value, which renice command is used to alter priority of running process.

Purpose of nice command :
Lets assume the case that system has only 1GB of RAM and it's working really slow, processes are not responding quickly, in that case if you want to kill some of the processes, you need to start a terminal, if you start your bash shell normally, it will also produce lag but you can avoid this by starting the bash shell with high priority.

To alter priority of running process, we use renice command.

Commands:

top

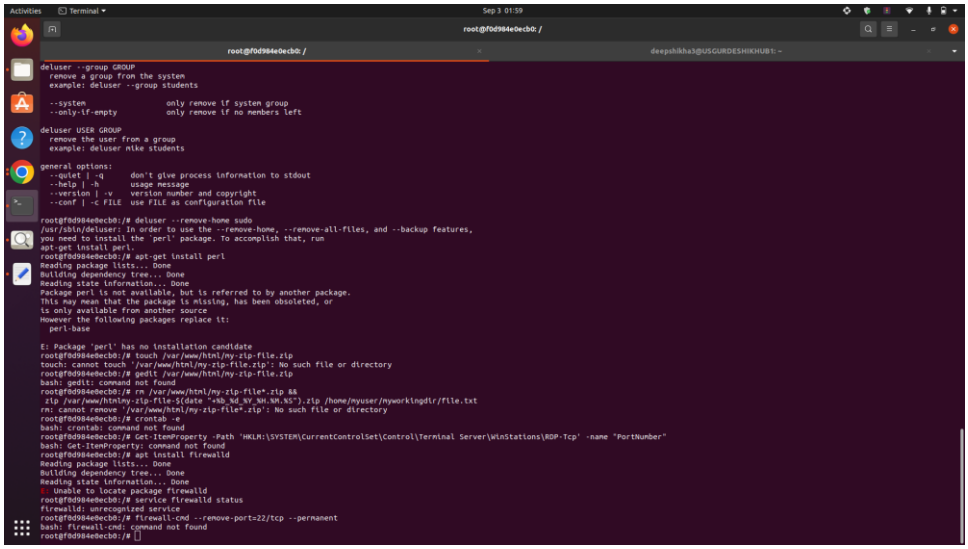
nice –n –5 bash

Comment:

After running top command in container I put the screenshot but Niece command didn't run on our laptop.

Ques 12. Perform the below tasks on the firewall using iptables:
a. Block outgoing connections on port 80
b. Allow incoming connections on port 3306
c. Allow both incoming and connections on port 80, 443 and 22
d. Block Facebook on Iptable firewall
Solution:

Steps:



Commands:

apt install firewalld

firewall-cmd --remove-port=80/tcp --permanent

Sudo ufw allow 80

Sudo ufw allow 443

Sudo ufw allow 22

-A FORWARD -p tcp -m tcp --sport 443 -m string --string "facebook" --algo bm -j DROP
-A FORWARD -p tcp -m tcp --sport 80 -m string --string "facebook" --algo bm -j DROP
-A FORWARD -p tcp -m tcp --dport 443 -m string --string "facebook" --algo bm -j DROP
-A FORWARD -p tcp -m tcp --dport 80 -m string --string "facebook" --algo bm -j DROP

Ques 13. Get Tasks, Threads, Running Processes, Load Average and Uptime using htop command.

Solution:

htop a Linux tool that is used in process-managing and terminal-based system monitoring. It allows real-time monitoring of processes and performs every task to monitor the process in the Linux system

Tasks – Shows the number of open processes present in the system.

Load Average – Shows the average load of the system by CPU.

Uptime – Total system uptime from the last reboot.

Commands:

sudo apt-get install htop

tar -zxvf htop.tar.gz

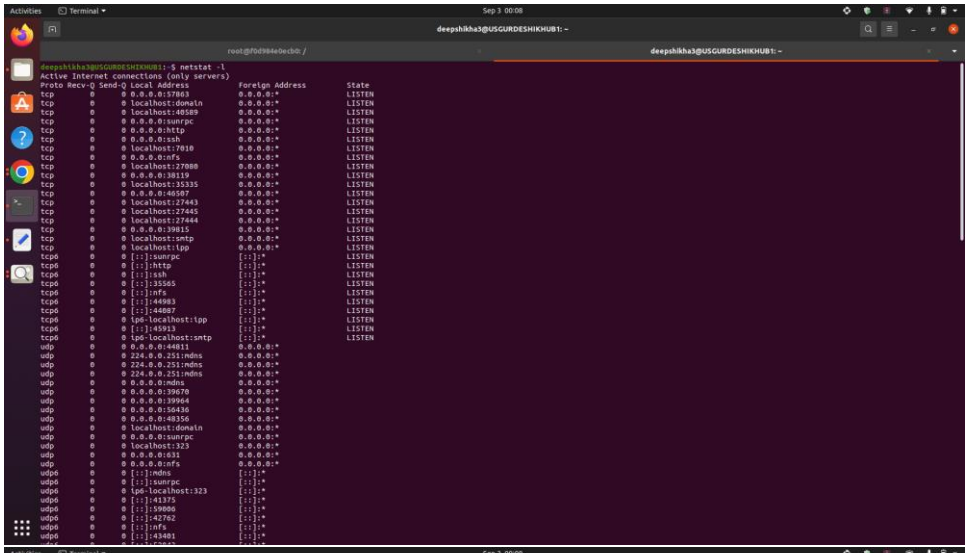
cd htop

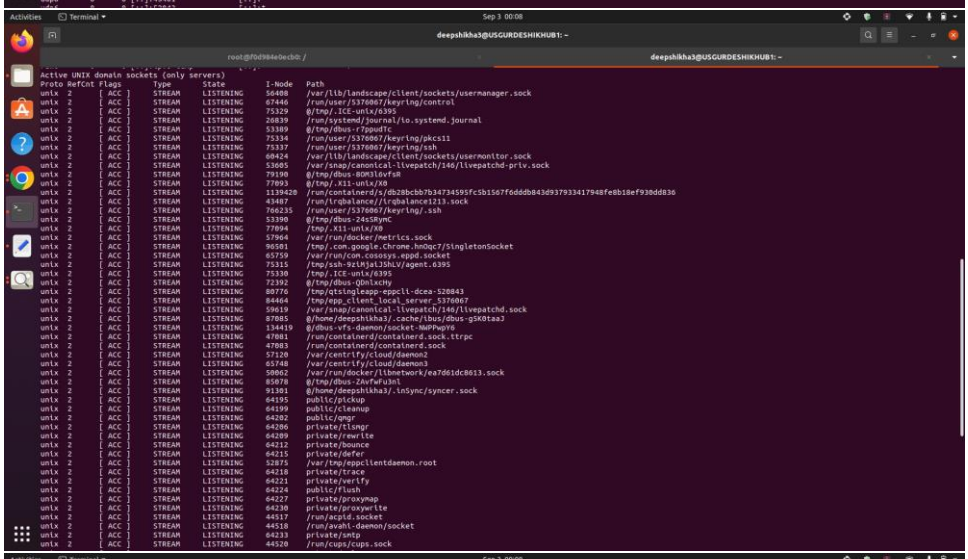
./configure
make
sudo make install

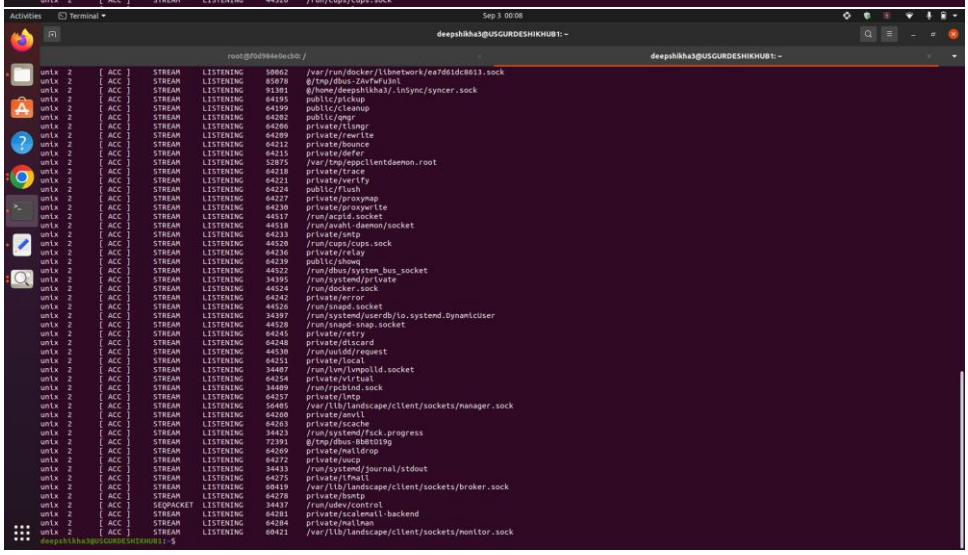
Ques 14. Using netstat command, perform the below operations
a. To display all the active list of listening port connections.
b. To display only the active listening TCP ports.
c. Netstat command in Linux will help to display all the active UNIX port connections.

Solution:

a)


Activities
Terminal
Sep 3 00:08
deepshikha3@USGURDESHIKHUB1: ~
root@f0d984e0ec3d: /
deepshikha3@USGURDESHIKHUB1: ~
deepshikha3@USGURDESHIKHUB1:~$ netstat -l
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State
tcp 0 0 0.0.0.0:57863 0.0.0.0:* LISTEN
tcp 0 0 localhost:domain 0.0.0.0:* LISTEN
tcp 0 0 localhost:40589 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:sunrpc 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:http 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:ssh 0.0.0.0:* LISTEN
tcp 0 0 localhost:7010 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:nfs 0.0.0.0:* LISTEN
tcp 0 0 localhost:27000 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:38119 0.0.0.0:* LISTEN
tcp 0 0 localhost:35335 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:40507 0.0.0.0:* LISTEN
tcp 0 0 localhost:27443 0.0.0.0:* LISTEN
tcp 0 0 localhost:27445 0.0.0.0:* LISTEN
tcp 0 0 localhost:27444 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:39015 0.0.0.0:* LISTEN
tcp 0 0 localhost:smtp 0.0.0.0:* LISTEN
tcp 0 0 localhost:ipp 0.0.0.0:* LISTEN
tcp6 0 0 [::]:sunrpc [::]:* LISTEN
tcp6 0 0 [::]:http [::]:* LISTEN
tcp6 0 0 [::]:ssh [::]:* LISTEN
tcp6 0 0 [::]:35565 [::]:* LISTEN
tcp6 0 0 [::]:nfs [::]:* LISTEN
tcp6 0 0 [::]:44983 [::]:* LISTEN
tcp6 0 0 [::]:44087 [::]:* LISTEN
tcp6 0 0 ip6-localhost:ipp [::]:* LISTEN
tcp6 0 0 [::]:45913 [::]:* LISTEN
tcp6 0 0 ip6-localhost:smtp [::]:* LISTEN
udp 0 0 0.0.0.0:44811 0.0.0.0:*
udp 0 0 224.0.0.251:mdns 0.0.0.0:*
udp 0 0 224.0.0.251:mdns 0.0.0.0:*
udp 0 0 224.0.0.251:mdns 0.0.0.0:*
udp 0 0 0.0.0.0:mdns 0.0.0.0:*
udp 0 0 0.0.0.0:39670 0.0.0.0:*
udp 0 0 0.0.0.0:39964 0.0.0.0:*
udp 0 0 0.0.0.0:56436 0.0.0.0:*
udp 0 0 0.0.0.0:48356 0.0.0.0:*
udp 0 0 localhost:domain 0.0.0.0:*
udp 0 0 0.0.0.0:sunrpc 0.0.0.0:*
udp 0 0 localhost:323 0.0.0.0:*
udp 0 0 0.0.0.0:631 0.0.0.0:*
udp 0 0 0.0.0.0:nfs 0.0.0.0:*
udp6 0 0 [::]:mdns [::]:*
udp6 0 0 [::]:sunrpc [::]:*
udp6 0 0 ip6-localhost:323 [::]:*
udp6 0 0 [::]:41375 [::]:*
udp6 0 0 [::]:59086 [::]:*
udp6 0 0 [::]:42762 [::]:*
udp6 0 0 [::]:nfs [::]:*
udp6 0 0 [::]:43401 [::]:*


Activities
Terminal
Sep 3 00:08
deepshikha3@USGURDESHIKHUB1: ~
root@f0d984e0ec3d: /
deepshikha3@USGURDESHIKHUB1: ~
Active UNIX domain sockets (only servers)
Proto RefCnt Flags Type State I-Node Path
unix 2 [ACC] STREAM LISTENING 56408 /var/lib/landscape/client/sockets/usermanager.sock
unix 2 [ACC] STREAM LISTENING 67446 /run/user/5370067/keyring/control
unix 2 [ACC] STREAM LISTENING 75329 @/tmp/.ICE-unix/6395
unix 2 [ACC] STREAM LISTENING 26839 /run/systemd/journal/io.systemd.journal
unix 2 [ACC] STREAM LISTENING 53309 @/tmp/dbus-rTpudTc
unix 2 [ACC] STREAM LISTENING 75334 /run/user/5370067/keyring/pkcs11
unix 2 [ACC] STREAM LISTENING 75337 /run/user/5370067/keyring/ssh
unix 2 [ACC] STREAM LISTENING 60424 /var/lib/landscape/client/sockets/usermonitor.sock
unix 2 [ACC] STREAM LISTENING 53605 /var/snap/canonical-livepatch/146/livepatchd-priv.sock
unix 2 [ACC] STREAM LISTENING 79198 @/tmp/dbus-8OM3lovfsR
unix 2 [ACC] STREAM LISTENING 77093 @/tmp/.X11-unix/X0
unix 2 [ACC] STREAM LISTENING 1139420 /run/containerd/s/db28bcbb7b34734595fc5b1567fdddb843d93793341794 8fe8b18ef930dd836
unix 2 [ACC] STREAM LISTENING 43407 /run/irqbalance//irqbalance1213.sock
unix 2 [ACC] STREAM LISTENING 766235 /run/user/5370067/keyring/.ssh
unix 2 [ACC] STREAM LISTENING 53390 @/tmp/dbus-24sRymC
unix 2 [ACC] STREAM LISTENING 77094 /tmp/.X11-unix/X0
unix 2 [ACC] STREAM LISTENING 57964 /var/run/docker/metrics.sock
unix 2 [ACC] STREAM LISTENING 96501 /tmp/.com.google.Chrome.hnOqc7/SingletonSocket
unix 2 [ACC] STREAM LISTENING 65759 /var/run/com.cososys.eppd.socket
unix 2 [ACC] STREAM LISTENING 75315 /tmp/ssh-9zlMja135hLV/agent.6395
unix 2 [ACC] STREAM LISTENING 75330 /tmp/.ICE-unix/6395
unix 2 [ACC] STREAM LISTENING 71392 @/tmp/dbus-QDmlxcHy
unix 2 [ACC] STREAM LISTENING 80776 /tmp/qtsingleapp-eppcli-dcea-520843
unix 2 [ACC] STREAM LISTENING 84464 /tmp/epp_client_local_server_5370067
unix 2 [ACC] STREAM LISTENING 59619 /var/snap/canonical-livepatch/146/livepatchd.sock
unix 2 [ACC] STREAM LISTENING 87085 @/home/deepshikha3/.cache/ibus/dbus-gSK0taa3
unix 2 [ACC] STREAM LISTENING 134419 @/dbus-vfs-daemon/socket-NWPPwpY6
unix 2 [ACC] STREAM LISTENING 47081 /run/containerd/containerd.sock.ttrpc
unix 2 [ACC] STREAM LISTENING 47083 /run/containerd/containerd.sock
unix 2 [ACC] STREAM LISTENING 57120 /var/centrify/cloud/daemon2
unix 2 [ACC] STREAM LISTENING 65748 /var/centrify/cloud/daemon3
unix 2 [ACC] STREAM LISTENING 50062 /var/run/docker/libnetwork/ea7d61dc8613.sock
unix 2 [ACC] STREAM LISTENING 85078 @/tmp/dbus-ZAvfwFu3nl
unix 2 [ACC] STREAM LISTENING 91301 @/home/deepshikha3/.lnSync/syncer.sock
unix 2 [ACC] STREAM LISTENING 64195 public/pickup
unix 2 [ACC] STREAM LISTENING 64199 public/cleanup
unix 2 [ACC] STREAM LISTENING 64202 public/qmgr
unix 2 [ACC] STREAM LISTENING 64206 private/tlsmgr
unix 2 [ACC] STREAM LISTENING 64209 private/rewrite
unix 2 [ACC] STREAM LISTENING 64212 private/bounce
unix 2 [ACC] STREAM LISTENING 64215 private/defer
unix 2 [ACC] STREAM LISTENING 52875 /var/tmp/eppclientdaemon.root
unix 2 [ACC] STREAM LISTENING 64218 private/trace
unix 2 [ACC] STREAM LISTENING 64221 private/verify
unix 2 [ACC] STREAM LISTENING 64224 public/flush
unix 2 [ACC] STREAM LISTENING 64227 private/proxymap
unix 2 [ACC] STREAM LISTENING 64230 private/proxywrite
unix 2 [ACC] STREAM LISTENING 44517 /run/acpid.socket
unix 2 [ACC] STREAM LISTENING 44518 /run/avahi-daemon/socket
unix 2 [ACC] STREAM LISTENING 64233 private/smtp
unix 2 [ACC] STREAM LISTENING 44520 /run/cups/cups.sock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Sep 3 00:08
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root@f0d984e0ec3d: /
deepshikha3@USGURDESHIKHUB1: ~
unix 2 [ACC] STREAM LISTENING 50062 /var/run/docker/libnetwork/ea7d61dc8613.sock
unix 2 [ACC] STREAM LISTENING 85078 @/tmp/dbus-ZAvfwFu3nl
unix 2 [ACC] STREAM LISTENING 91301 @/home/deepshikha3/.lnSync/syncer.sock
unix 2 [ACC] STREAM LISTENING 64195 public/pickup
unix 2 [ACC] STREAM LISTENING 64199 public/cleanup
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unix 2 [ACC] STREAM LISTENING 44517 /run/acpid.socket
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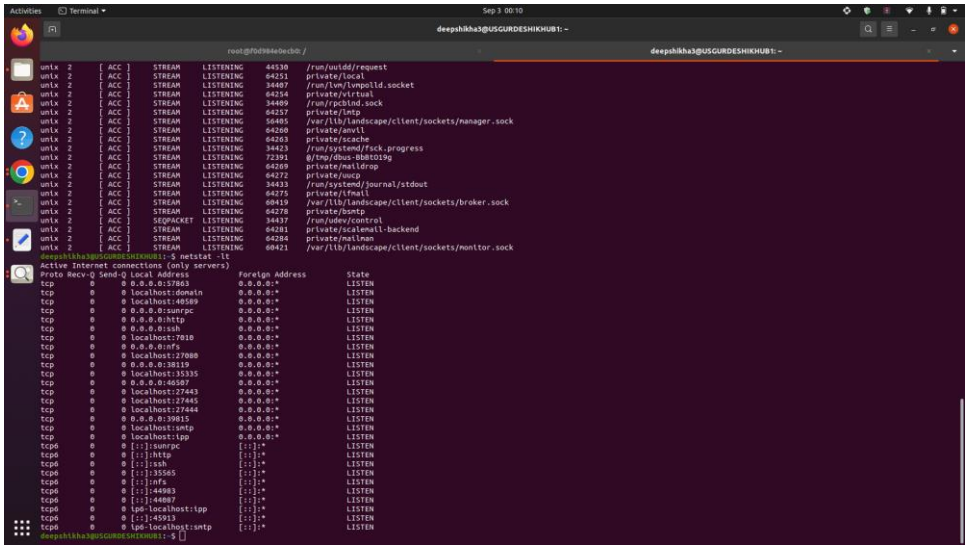
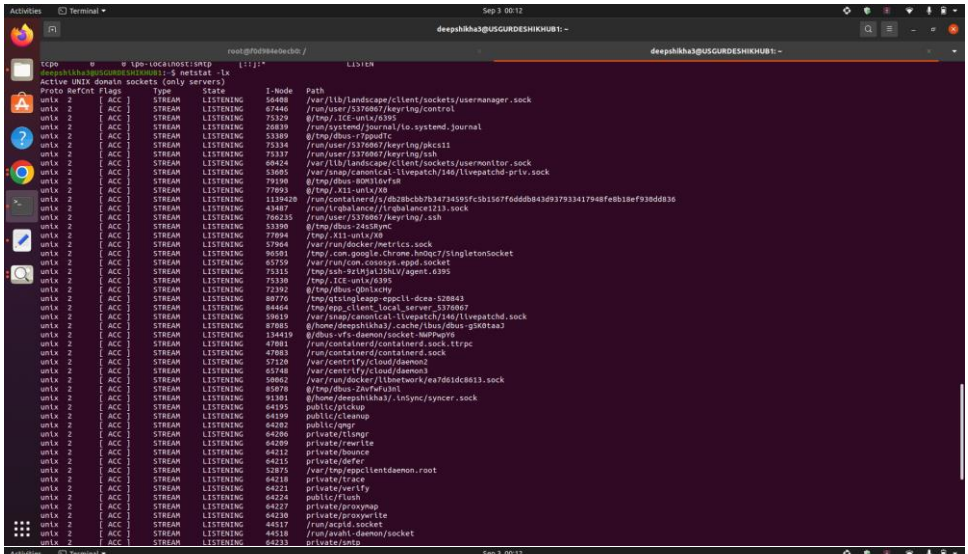
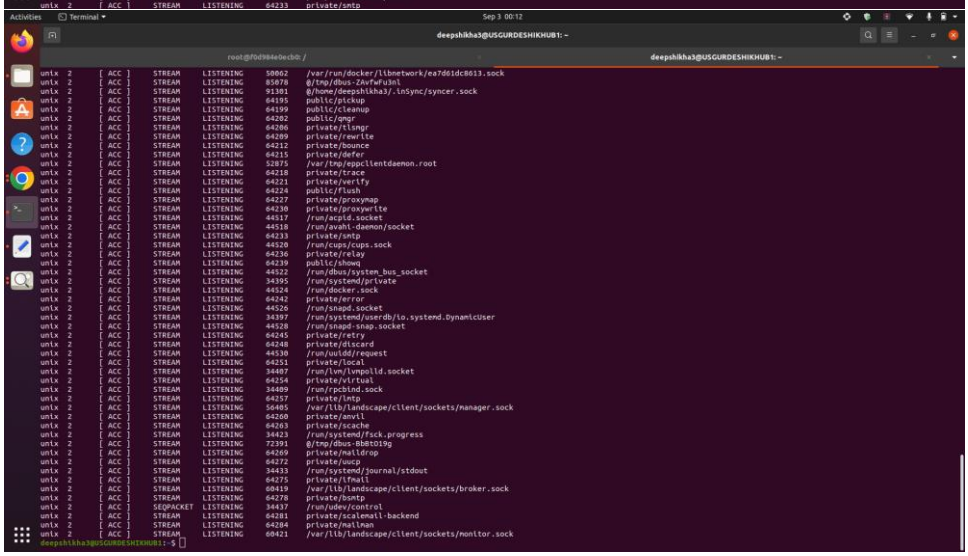
unix 2 [ACC] STREAM LISTENING 64233 private/smtp
unix 2 [ACC] STREAM LISTENING 44520 /run/cups/cups.sock
unix 2 [ACC] STREAM LISTENING 64236 private/relay
unix 2 [ACC] STREAM LISTENING 64239 public/showq
unix 2 [ACC] STREAM LISTENING 44522 /run/dbus/system_bus_socket
unix 2 [ACC] STREAM LISTENING 34395 /run/systemd/private
unix 2 [ACC] STREAM LISTENING 44524 /run/docker.sock
unix 2 [ACC] STREAM LISTENING 64242 private/error
unix 2 [ACC] STREAM LISTENING 44526 /run/snapd.socket
unix 2 [ACC] STREAM LISTENING 34397 /run/systemd/userdb/io.systemd.DynamicUser
unix 2 [ACC] STREAM LISTENING 44528 /run/snapd-snap.socket
unix 2 [ACC] STREAM LISTENING 64245 private/retry
unix 2 [ACC] STREAM LISTENING 64248 private/discard
unix 2 [ACC] STREAM LISTENING 44530 /run/uuidd/request
unix 2 [ACC] STREAM LISTENING 64251 private/local
unix 2 [ACC] STREAM LISTENING 34407 /run/lvm/lvmpolld.socket
unix 2 [ACC] STREAM LISTENING 64254 private/virtual
unix 2 [ACC] STREAM LISTENING 34409 /run/rpcbind.sock
unix 2 [ACC] STREAM LISTENING 64257 private/lmtp
unix 2 [ACC] STREAM LISTENING 56405 /var/lib/landscape/client/sockets/manager.sock
unix 2 [ACC] STREAM LISTENING 64260 private/anvil
unix 2 [ACC] STREAM LISTENING 64263 private/scache
unix 2 [ACC] STREAM LISTENING 34423 /run/systemd/fsck.progress
unix 2 [ACC] STREAM LISTENING 72391 @/tmp/dbus-BB8tO19g
unix 2 [ACC] STREAM LISTENING 64269 private/maildrop
unix 2 [ACC] STREAM LISTENING 64272 private/uucp
unix 2 [ACC] STREAM LISTENING 34433 /run/systemd/journal/stdout
unix 2 [ACC] STREAM LISTENING 64275 private/lmail
unix 2 [ACC] STREAM LISTENING 60419 /var/lib/landscape/client/sockets/broker.sock
unix 2 [ACC] STREAM LISTENING 64278 private/bsmtp
unix 2 [ACC] SEQPACKET LISTENING 34437 /run/udev/control
unix 2 [ACC] STREAM LISTENING 64281 private/scalemail-backend
unix 2 [ACC] STREAM LISTENING 64284 private/mailman
unix 2 [ACC] STREAM LISTENING 60421 /var/lib/landscape/client/sockets/monitor.sock
deepshikha3@USGURDESHIKHUB1:~$

b)


Activities
Terminal
Sep 3 00:10
deepshikha3@USGURDESHIKHUB1: ~
root@f0d9844e0ec0b: /
deepshikha3@USGURDESHIKHUB1: ~
unix 2 [ACC] STREAM LISTENING 44530 /run/uuidd/request
unix 2 [ACC] STREAM LISTENING 64251 private/local
unix 2 [ACC] STREAM LISTENING 34407 /run/lvm/lvmpolld.socket
unix 2 [ACC] STREAM LISTENING 64254 private/virtual
unix 2 [ACC] STREAM LISTENING 34409 /run/rpcbind.sock
unix 2 [ACC] STREAM LISTENING 64257 private/lmtp
unix 2 [ACC] STREAM LISTENING 56405 /var/lib/landscape/client/sockets/manager.sock
unix 2 [ACC] STREAM LISTENING 64260 private/anvil
unix 2 [ACC] STREAM LISTENING 64263 private/scache
unix 2 [ACC] STREAM LISTENING 34423 /run/systemd/fsck.progress
unix 2 [ACC] STREAM LISTENING 72391 @/tmp/dbus-8b8tOt19g
unix 2 [ACC] STREAM LISTENING 64269 private/maildrop
unix 2 [ACC] STREAM LISTENING 64272 private/uucp
unix 2 [ACC] STREAM LISTENING 34433 /run/systemd/journal/stdout
unix 2 [ACC] STREAM LISTENING 64275 private/lfmail
unix 2 [ACC] STREAM LISTENING 60419 /var/lib/landscape/client/sockets/broker.sock
unix 2 [ACC] STREAM LISTENING 64278 private/bsmtp
unix 2 [ACC] SEQPACKET LISTENING 34437 /run/udev/control
unix 2 [ACC] STREAM LISTENING 64281 private/scalemail-backend
unix 2 [ACC] STREAM LISTENING 64284 private/mailman
unix 2 [ACC] STREAM LISTENING 60421 /var/lib/landscape/client/sockets/monitor.sock
deepshikha3@USGURDESHIKHUB1:~$ netstat -lt
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State
tcp 0 0 0.0.0.0:57863 0.0.0.0:* LISTEN
tcp 0 0 localhost:domain 0.0.0.0:* LISTEN
tcp 0 0 localhost:46589 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:sunrpc 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:http 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:ssh 0.0.0.0:* LISTEN
tcp 0 0 localhost:7010 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:nfs 0.0.0.0:* LISTEN
tcp 0 0 localhost:27080 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:38119 0.0.0.0:* LISTEN
tcp 0 0 localhost:35335 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:46507 0.0.0.0:* LISTEN
tcp 0 0 localhost:27443 0.0.0.0:* LISTEN
tcp 0 0 localhost:27445 0.0.0.0:* LISTEN
tcp 0 0 localhost:27444 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:39815 0.0.0.0:* LISTEN
tcp 0 0 localhost:smtp 0.0.0.0:* LISTEN
tcp 0 0 localhost:ipp 0.0.0.0:* LISTEN
tcp6 0 0 [::]:sunrpc [::]:* LISTEN
tcp6 0 0 [::]:http [::]:* LISTEN
tcp6 0 0 [::]:ssh [::]:* LISTEN
tcp6 0 0 [::]:35565 [::]:* LISTEN
tcp6 0 0 [::]:nfs [::]:* LISTEN
tcp6 0 0 [::]:44983 [::]:* LISTEN
tcp6 0 0 [::]:44087 [::]:* LISTEN
tcp6 0 0 ip6-localhost:ipp [::]:* LISTEN
tcp6 0 0 [::]:45913 [::]:* LISTEN
tcp6 0 0 ip6-localhost:smtp [::]:* LISTEN
deepshikha3@USGURDESHIKHUB1:~$

c)


Activities
Terminal
Sep 3 00:12
deepshikha3@USGURDESHIKHUB1: ~
root@f0d9844e0ec0b: /
deepshikha3@USGURDESHIKHUB1: ~
deepshikha3@USGURDESHIKHUB1:~$ netstat -lx
Active UNIX domain sockets (only servers)
Proto RefCnt Flags Type State I-Node Path
unix 2 [ACC] STREAM LISTENING 56408 /var/lib/landscape/client/sockets/usermanager.sock
unix 2 [ACC] STREAM LISTENING 67446 /run/user/5376067/keyring/control
unix 2 [ACC] STREAM LISTENING 75329 @/tmp/.ICE-unix/6395
unix 2 [ACC] STREAM LISTENING 28839 /run/systemd/journal/io.systemd.journal
unix 2 [ACC] STREAM LISTENING 53389 @/tmp/dbus-r7ppudTc
unix 2 [ACC] STREAM LISTENING 75334 /run/user/5376067/keyring/pkcs11
unix 2 [ACC] STREAM LISTENING 75337 /run/user/5376067/keyring/ssh
unix 2 [ACC] STREAM LISTENING 60424 /var/lib/landscape/client/sockets/usermonitor.sock
unix 2 [ACC] STREAM LISTENING 53605 /var/snap/canonical-livepatch/146/livepatchd-priv.sock
unix 2 [ACC] STREAM LISTENING 79190 @/tmp/dbus-8OMlldvfsM
unix 2 [ACC] STREAM LISTENING 77093 @/tmp/.X11-unix/X0
unix 2 [ACC] STREAM LISTENING 1139420 /run/containerd/s/db28bcbb7b34734595fc5b1567f6dddb843d937933417948fe8b18ef938dd836
unix 2 [ACC] STREAM LISTENING 43487 /run/irqbalance//irqbalance1213.sock
unix 2 [ACC] STREAM LISTENING 766235 /run/user/5376067/keyring/.ssh
unix 2 [ACC] STREAM LISTENING 53390 @/tmp/dbus-24cSRymC
unix 2 [ACC] STREAM LISTENING 77094 /tmp/.X11-unix/X0
unix 2 [ACC] STREAM LISTENING 57964 /var/run/docker/metrics.sock
unix 2 [ACC] STREAM LISTENING 96581 /tmp/.com.google.Chrome.hnDqc7/SingletonSocket
unix 2 [ACC] STREAM LISTENING 65759 /var/run/con.cososys.eppd.socket
unix 2 [ACC] STREAM LISTENING 75315 /tmp/ssh-9zlMjaLJ5hLV/agent.6395
unix 2 [ACC] STREAM LISTENING 75330 /tmp/.ICE-unix/6395
unix 2 [ACC] STREAM LISTENING 72392 @/tmp/dbus-QOnlxcHy
unix 2 [ACC] STREAM LISTENING 80776 /tmp/qtsingleapp-eppcli-dcea-520843
unix 2 [ACC] STREAM LISTENING 84464 /tmp/epp_client_local_server_5376067
unix 2 [ACC] STREAM LISTENING 59619 /var/snap/canonical-livepatch/146/livepatchd.sock
unix 2 [ACC] STREAM LISTENING 87085 @/home/deepshikha3/.cache/bus/dbus-gSK0taa3
unix 2 [ACC] STREAM LISTENING 134419 @/dbus-vfs-daemon/socket-NWPPwgY6
unix 2 [ACC] STREAM LISTENING 47081 /run/containerd/containerd.sock.ttrpc
unix 2 [ACC] STREAM LISTENING 47083 /run/containerd/containerd.sock
unix 2 [ACC] STREAM LISTENING 57120 /var/centrify/cloud/daemon2
unix 2 [ACC] STREAM LISTENING 65748 /var/centrify/cloud/daemon3
unix 2 [ACC] STREAM LISTENING 50062 /var/run/docker/libnetwork/ea7d61dc8613.sock
unix 2 [ACC] STREAM LISTENING 85078 @/tmp/dbus-ZAvFwFuJml
unix 2 [ACC] STREAM LISTENING 91301 @/home/deepshikha3/.inSync/syncer.sock
unix 2 [ACC] STREAM LISTENING 64195 public/pickup
unix 2 [ACC] STREAM LISTENING 64199 public/cleanup
unix 2 [ACC] STREAM LISTENING 64202 public/qmgr
unix 2 [ACC] STREAM LISTENING 64206 private/tlsmgr
unix 2 [ACC] STREAM LISTENING 64209 private/rewrite
unix 2 [ACC] STREAM LISTENING 64212 private/bounce
unix 2 [ACC] STREAM LISTENING 64215 private/defer
unix 2 [ACC] STREAM LISTENING 52875 /var/tmp/eppclientdaemon.root
unix 2 [ACC] STREAM LISTENING 64218 private/trace
unix 2 [ACC] STREAM LISTENING 64221 private/verify
unix 2 [ACC] STREAM LISTENING 64224 public/flush
unix 2 [ACC] STREAM LISTENING 64227 private/proxymap
unix 2 [ACC] STREAM LISTENING 64230 private/proxywrite
unix 2 [ACC] STREAM LISTENING 44517 /run/acpid.socket
unix 2 [ACC] STREAM LISTENING 44518 /run/avahi-daemon/socket
unix 2 [ACC] STREAM LISTENING 64233 private/smtp


Activities
Terminal
Sep 3 00:12
deepshikha3@USGURDESHIKHUB1: ~
root@f0d9844e0ec0b: /
deepshikha3@USGURDESHIKHUB1: ~
unix 2 [ACC] STREAM LISTENING 50062 /var/run/docker/libnetwork/ea7d61dc8613.sock
unix 2 [ACC] STREAM LISTENING 85078 @/tmp/dbus-ZAvFwFuJml
unix 2 [ACC] STREAM LISTENING 91301 @/home/deepshikha3/.inSync/syncer.sock
unix 2 [ACC] STREAM LISTENING 64195 public/pickup
unix 2 [ACC] STREAM LISTENING 64199 public/cleanup
unix 2 [ACC] STREAM LISTENING 64202 public/qmgr
unix 2 [ACC] STREAM LISTENING 64206 private/tlsmgr
unix 2 [ACC] STREAM LISTENING 64209 private/rewrite
unix 2 [ACC] STREAM LISTENING 64212 private/bounce
unix 2 [ACC] STREAM LISTENING 64215 private/defer
unix 2 [ACC] STREAM LISTENING 52875 /var/tmp/eppclientdaemon.root
unix 2 [ACC] STREAM LISTENING 64218 private/trace
unix 2 [ACC] STREAM LISTENING 64221 private/verify
unix 2 [ACC] STREAM LISTENING 64224 public/flush
unix 2 [ACC] STREAM LISTENING 64227 private/proxymap
unix 2 [ACC] STREAM LISTENING 64230 private/proxywrite
unix 2 [ACC] STREAM LISTENING 44517 /run/acpid.socket
unix 2 [ACC] STREAM LISTENING 44518 /run/avahi-daemon/socket
unix 2 [ACC] STREAM LISTENING 64233 private/smtp
unix 2 [ACC] STREAM LISTENING 44520 /run/cups/cups.sock
unix 2 [ACC] STREAM LISTENING 64236 private/relay
unix 2 [ACC] STREAM LISTENING 64239 public/showq
unix 2 [ACC] STREAM LISTENING 44522 /run/dbus/system_bus_socket
unix 2 [ACC] STREAM LISTENING 34395 /run/systemd/private
unix 2 [ACC] STREAM LISTENING 44524 /run/docker.sock
unix 2 [ACC] STREAM LISTENING 64242 private/error
unix 2 [ACC] STREAM LISTENING 44526 /run/snapd.socket
unix 2 [ACC] STREAM LISTENING 34397 /run/systemd/userdb/io.systemd.DynamicUser
unix 2 [ACC] STREAM LISTENING 44528 /run/snapd-snap.socket
unix 2 [ACC] STREAM LISTENING 64245 private/retry
unix 2 [ACC] STREAM LISTENING 64248 private/discard
unix 2 [ACC] STREAM LISTENING 44530 /run/uuidd/request
unix 2 [ACC] STREAM LISTENING 64251 private/local
unix 2 [ACC] STREAM LISTENING 34407 /run/lvm/lvmpolld.socket
unix 2 [ACC] STREAM LISTENING 64254 private/virtual
unix 2 [ACC] STREAM LISTENING 34409 /run/rpcbind.sock
unix 2 [ACC] STREAM LISTENING 64257 private/lmtp
unix 2 [ACC] STREAM LISTENING 56405 /var/lib/landscape/client/sockets/manager.sock
unix 2 [ACC] STREAM LISTENING 64260 private/anvil
unix 2 [ACC] STREAM LISTENING 64263 private/scache
unix 2 [ACC] STREAM LISTENING 34423 /run/systemd/fsck.progress
unix 2 [ACC] STREAM LISTENING 72391 @/tmp/dbus-8b8tOt19g
unix 2 [ACC] STREAM LISTENING 64269 private/maildrop
unix 2 [ACC] STREAM LISTENING 64272 private/uucp
unix 2 [ACC] STREAM LISTENING 34433 /run/systemd/journal/stdout
unix 2 [ACC] STREAM LISTENING 64275 private/lfmail
unix 2 [ACC] STREAM LISTENING 60419 /var/lib/landscape/client/sockets/broker.sock
unix 2 [ACC] STREAM LISTENING 64278 private/bsmtp
unix 2 [ACC] SEQPACKET LISTENING 34437 /run/udev/control
unix 2 [ACC] STREAM LISTENING 64281 private/scalemail-backend
unix 2 [ACC] STREAM LISTENING 64284 private/mailman
unix 2 [ACC] STREAM LISTENING 60421 /var/lib/landscape/client/sockets/monitor.sock
deepshikha3@USGURDESHIKHUB1:~$

Commands:

1. **Netstat –l -** list only the listening ports.
2. **Netstat –lt -** list only the listening tcp ports.
3. **Netstat –lx -** list only the listening UNIX ports.