

Activities Terminal Ubuntu on 0257530497995B1

The image shows a dual-terminal setup on an Ubuntu desktop. The top terminal window displays the output of a command-line session where the user is trying to use the 'ps' command with an unsupported option. The bottom terminal window shows the full output of the 'ps -ef' command, listing all processes running on the system.

error: unsupported option (BSD syntax)

Usage:
ps [options]

Try 'ps --help <simple|list|output|threads|misc|all>'
or 'ps --help <s|[l|o|t|m|a>'
for additional help text.

For more details see ps(1).

```
user@user-Virtual-Machine:~$ ps -ef | grep bash
user      5650  5627  0 09:29 pts/1    00:00:00 bash
user      8717  5650  0 09:49 pts/1    00:00:00 grep --color=auto bash
user@user-Virtual-Machine:~$ ls
Desktop  Downloads  get-docker.sh  Pictures  snap    test2.txt  Videos
Documents file.txt  Music        Public    Templates  test.txt
user@user-Virtual-Machine:~$ cat test2.txt
hi
user@user-Virtual-Machine:~$ cat get-docker.sh
#!/bin/sh
set -e
# Docker Engine for Linux installation script.
#
# This script is intended as a convenient way to configure docker's package
# repositories and to install Docker Engine. This script is not recommended
# for production environments. Before running this script, make yourself familiar
# with potential risks and limitations, and refer to the installation manual
# at https://docs.docker.com/engine/install/ for alternative installation methods.
#
```

Activate Windows
Go to Settings to activate Windows.

Activities Terminal Ubuntu on 0257530497995B1

user@user-Virtual-Machine:~\$ ps

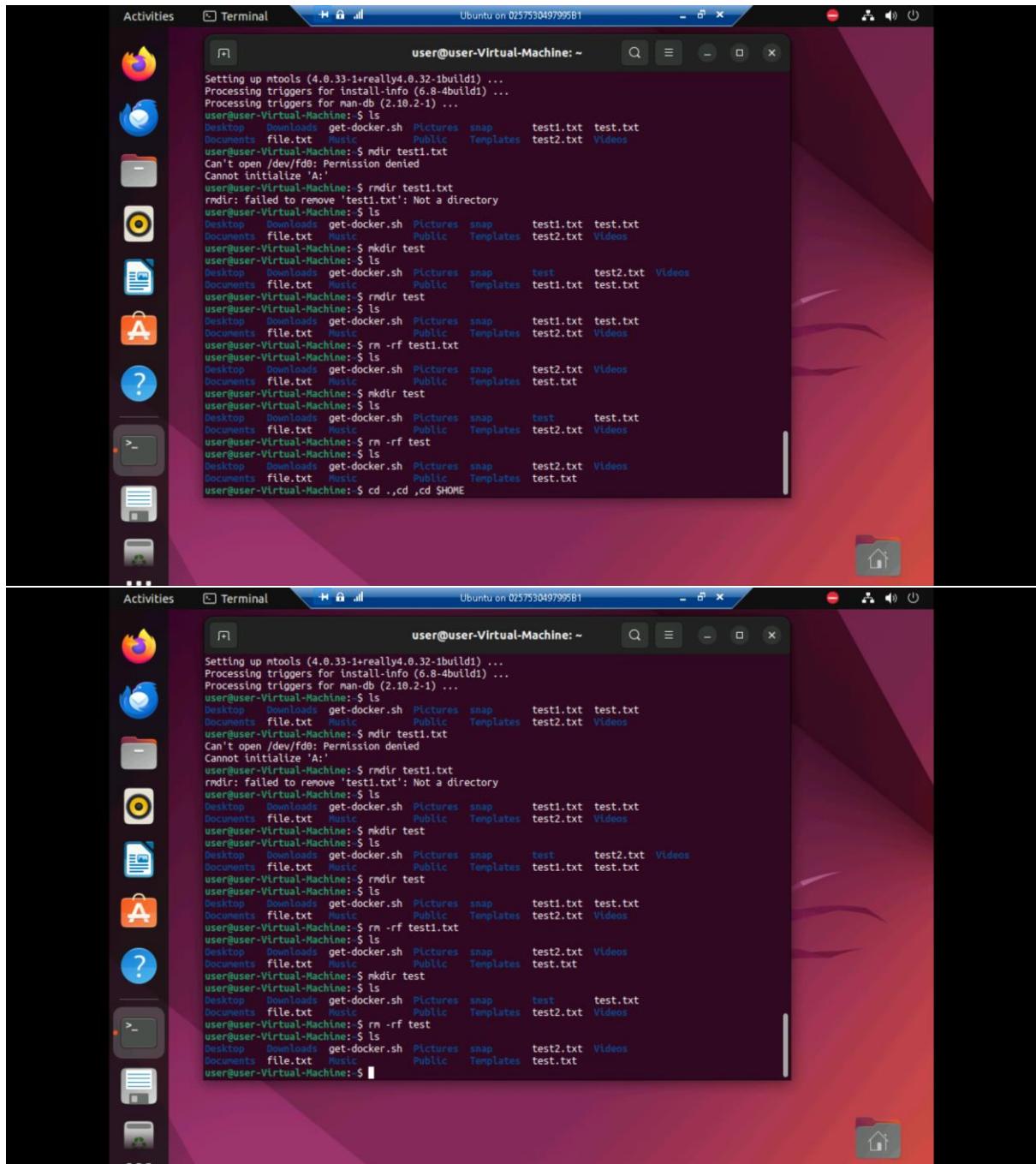
PID	TTY	TIME	CMD
5650	pts/1	00:00:00	bash
8710	pts/1	00:00:00	ps

```
user@user-Virtual-Machine:~$ ps -ef
UID      PID  PPID  C STIME TTY          TIME CMD
root      1      0  0 03:18 ?
root      2      0  0 03:18 ?
root      3      2  0 03:18 ?
root      4      2  0 03:18 ?
root      5      2  0 03:18 ?
root      6      2  0 03:18 ?
root      7      2  0 03:18 ?
root     12      2  0 03:18 ?
root     13      2  0 03:18 ?
root     14      2  0 03:18 ?
root     15      2  0 03:18 ?
root     16      2  0 03:18 ?
root     17      2  0 03:18 ?
root     18      2  0 03:18 ?
root     19      2  0 03:18 ?
root     20      2  0 03:18 ?
root     21      2  0 03:18 ?
root     22      2  0 03:18 ?
root     23      2  0 03:18 ?
root     24      2  0 03:18 ?
root     26      2  0 03:18 ?
root     27      2  0 03:18 ?
root     28      2  0 03:18 ?
root     29      2  0 03:18 ?
root     30      2  0 03:18 ?
root     32      2  0 03:18 ?
root     33      2  0 03:18 ?
root     34      2  0 03:18 ?
root     36      2  0 03:18 ?
root     37      2  0 03:18 ?
```

TIME CMD

00:00:11 /sbin/init splash
00:00:00 [kthreadd]
00:00:00 [pool_workqueue_release]
00:00:00 [kworker/R-rcu_g]
00:00:00 [kworker/R-rcu_p]
00:00:00 [kworker/R-slub_]
00:00:00 [kworker/R-netsns]
00:00:00 [kworker/R-mm_pe]
00:00:00 [rcu_tasks_kthread]
00:00:00 [rcu_tasks_rude_kthread]
00:00:00 [rcu_tasks_trace_kthread]
00:00:00 [ksoftirqd/0]
00:00:05 [rcu_preempt]
00:00:00 [migration/0]
00:00:00 [idle_inject/0]
00:00:00 [cpuhp/0]
00:00:00 [cpuhp/1]
00:00:00 [idle_inject/1]
00:00:00 [migration/1]
00:00:00 [ksoftirqd/1]
00:00:00 [kworker/1:0H-kblockd]
00:00:00 [cpuhp/2]
00:00:00 [idle_inject/2]
00:00:00 [migration/2]
00:00:00 [ksoftirqd/2]
00:00:00 [kworker/2:0H-events_highpri]
00:00:00 [kdevtmpfs]
00:00:00 [kworker/R-inet_]
00:00:00 [kauditfd]
00:00:00 [khungtaskd]

Activate Windows
Go to Settings to activate Windows.



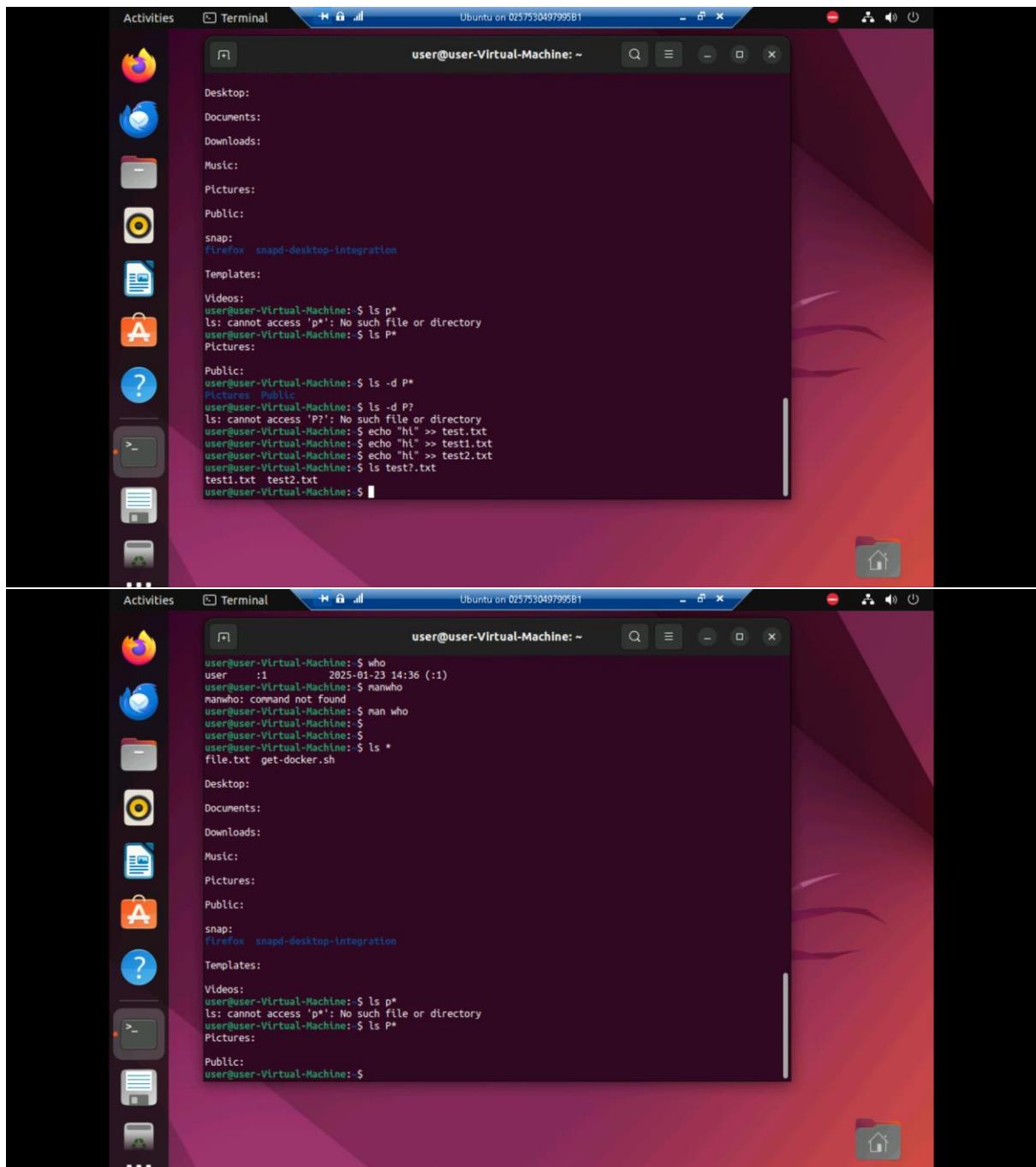
The image shows a dual-terminal setup on an Ubuntu desktop. Both terminals are running on a virtual machine, as indicated by the title bar "Ubuntu on 0257530497995B1".

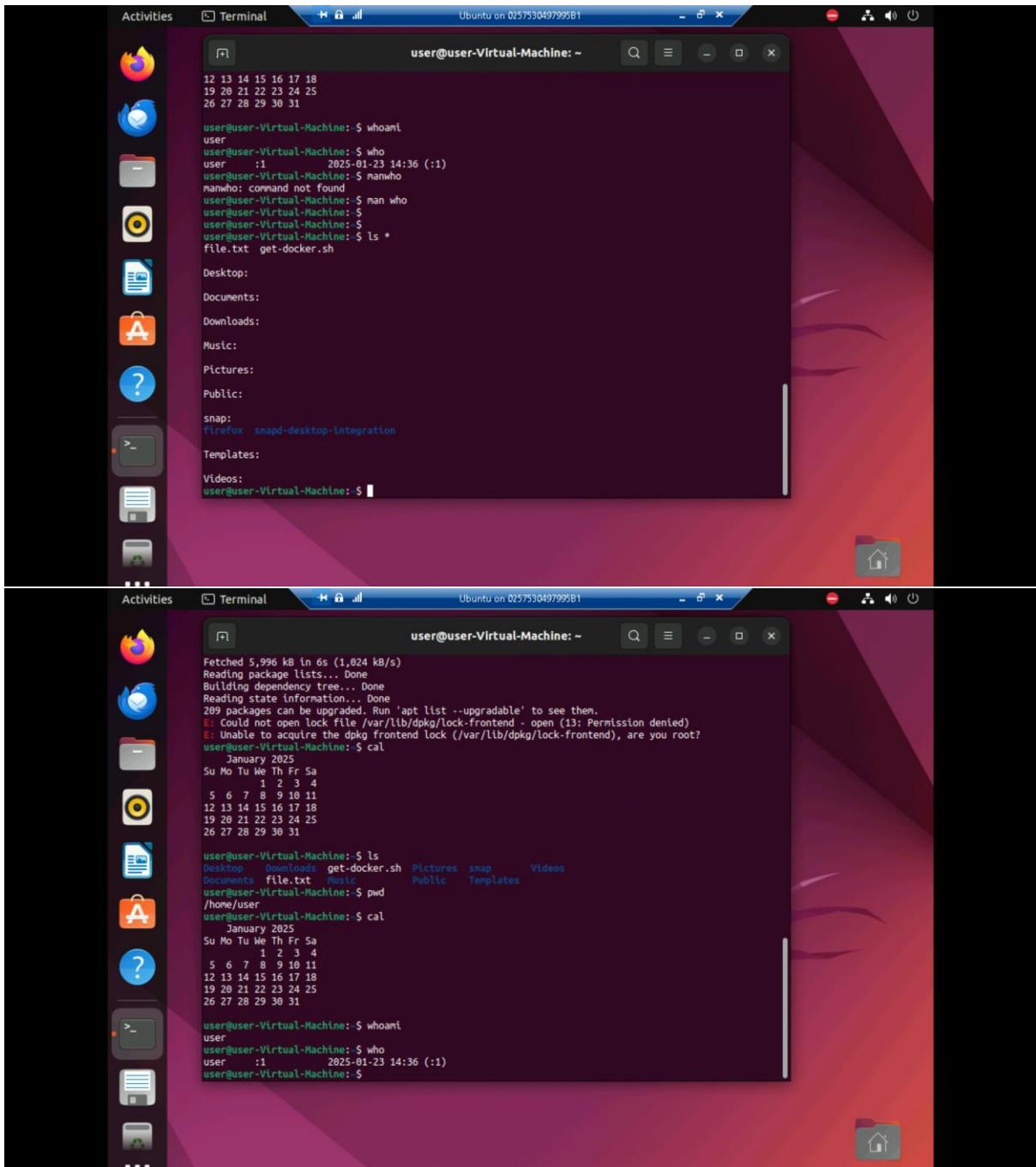
Top Terminal:

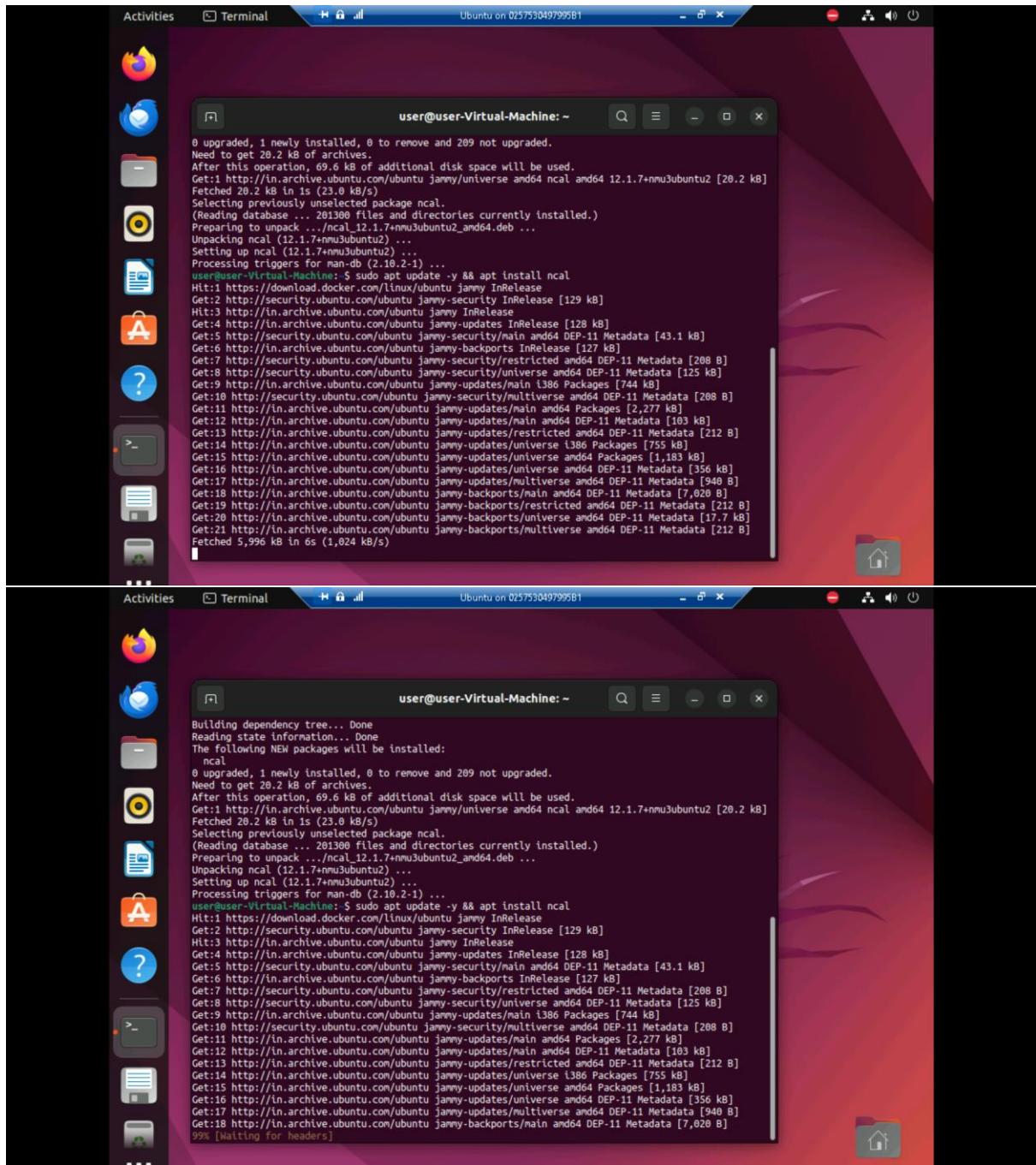
```
Activities Terminal user@user-Virtual-Machine: ~
Templates:
Videos:
user@user-Virtual-Machine: $ ls p*
ls: cannot access 'p*': No such file or directory
user@user-Virtual-Machine: $ ls P*
Pictures:
Public:
user@user-Virtual-Machine: $ ls -d P*
Pictures Public
user@user-Virtual-Machine: $ ls -d P?
ls: cannot access 'P?': No such file or directory
user@user-Virtual-Machine: $ echo "hi" > test.txt
user@user-Virtual-Machine: $ echo "hi" > test1.txt
user@user-Virtual-Machine: $ echo "hi" > test2.txt
user@user-Virtual-Machine: $ ls test?.txt
test1.txt test2.txt
user@user-Virtual-Machine: $ ls test[1-2].txt
test1.txt test2.txt
user@user-Virtual-Machine: $ ls test?
ls: cannot access 'test?': No such file or directory
user@user-Virtual-Machine: $ ls -d test?
ls: cannot access 'test?': No such file or directory
user@user-Virtual-Machine: $ ls -d test?.txt
test1.txt test2.txt
user@user-Virtual-Machine: $ ls test[1-2].txt
test1.txt test2.txt
user@user-Virtual-Machine: ~
bash: /home/user: Is a directory
user@user-Virtual-Machine: $ cd -
bash: OLDPWD not set
user@user-Virtual-Machine: $ cd -
user@user-Virtual-Machine: $ cd -
/home/user
user@user-Virtual-Machine: ~
```

Bottom Terminal:

```
Activities Terminal user@user-Virtual-Machine: ~
Pictures:
Public:
snap:
Firefox snapd-desktop-integration
Templates:
Videos:
user@user-Virtual-Machine: $ ls p*
ls: cannot access 'p*': No such file or directory
user@user-Virtual-Machine: $ ls P*
Pictures:
Public:
user@user-Virtual-Machine: $ ls -d P*
Pictures Public
user@user-Virtual-Machine: $ ls -d P?
ls: cannot access 'P?': No such file or directory
user@user-Virtual-Machine: $ echo "hi" > test.txt
user@user-Virtual-Machine: $ echo "hi" > test1.txt
user@user-Virtual-Machine: $ echo "hi" > test2.txt
user@user-Virtual-Machine: $ ls test?.txt
test1.txt test2.txt
user@user-Virtual-Machine: $ ls test?
ls: cannot access 'test?': No such file or directory
user@user-Virtual-Machine: $ ls -d test?
ls: cannot access 'test?': No such file or directory
user@user-Virtual-Machine: $ ls -d test?.txt
test1.txt test2.txt
user@user-Virtual-Machine: $ ls test[1-2].txt
test1.txt test2.txt
user@user-Virtual-Machine: ~
bash: /home/user: Is a directory
user@user-Virtual-Machine: $ cd -
bash: OLDPWD not set
user@user-Virtual-Machine: $ cd -
user@user-Virtual-Machine: $ cd -
/home/user
user@user-Virtual-Machine: ~
```







The image shows a dual-terminal setup on an Ubuntu desktop. Both terminals are running on the same session, indicated by the identical window titles "user@user-Virtual-Machine: ~".

Top Terminal:

```
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 09:43:18 PM IST
user@user-Virtual-Machine: $ sudo hwclock
2025-01-23 15:44:36.965642-05:30
user@user-Virtual-Machine: $ sudo timedatectl
sudo: timedatectl: command not found
user@user-Virtual-Machine: $ sudo timedatectl
        Local time: Thu 2025-01-23 15:45:24 IST
    Universal time: Thu 2025-01-23 10:15:24 UTC
          RTC time: Thu 2025-01-23 10:15:24
       Time zone: Asia/Kolkata (IST, +0530)
System clock synchronized: yes
      NTP service: active
    RTC in local TZ: no
user@user-Virtual-Machine: $ sudo timedatectl set-time "2025-12-01 3:12:13"
Failed to parse time specification '2025-12-01 3:12:13': invalid argument
user@user-Virtual-Machine: $ sudo timedatectl set-time "2025-12-01 3:12:13"
Failed to set time: Automatic time synchronization is enabled
user@user-Virtual-Machine: $
```

Bottom Terminal:

```
7 cd Documents
8 ls
9 cd ..
10 cd Desktop
11 ls
12 -a
13 clear
14 curl -fsSL https://get.docker.com -o get-docker.sh
15 sudo sh get-docker.sh
16 Executing docker install script, commit: 7cae5f8b0decc17d6571f9f52eb840fbcb13b2737
17 <...>
18 clear
19 sudo su
20 exit
21 sudo su
22 pwd
23 date
24 dtae
25 date
26 date +%Y-%m-%d
27 date +%Y-%m-%d
28 date +%t
29 date +%h-%m-%s
30 date +%Y-%m-%d +%h-%m-%d
31 date +%Y-%m-%d--%h-%m-%d
32 date +%Y-%m-%d/%h-%m-%s
33 date +%Y-%m-%d %H-%M-%S
34 date +%Y-%m-%d--%H-%M-%S
35 'date +%Y-%m-%d %H-%M-%S'
36 date '+%Y-%m-%d %H-%M-%S'
37 date --set '1511-06-02 12:30:15'
38 sudo date 12012012002.129
39 sudo date --s="2020-06-02 12:20:15"
40 history
```

The image shows a dual-terminal setup on an Ubuntu desktop. The top terminal window displays the command history for the current session, listing various commands such as `sudo apt update`, `ls`, and Docker installation steps. The bottom terminal window shows the user attempting to format dates using the `date` command with various flags like `+%y-%m-d` and `+%H-%M-%S`. It also shows the user trying to set a specific date using `date --set` and `sudo date` commands, which fail due to invalid arguments. The desktop interface includes a dock with icons for the Dash, Home, and other applications.

```
Tuesday 02 June 2020 12:20:15 PM IST
user@user-Virtual-Machine: ~
1 sudo apt update
2 ls
3 ls -a
4 ls
5 clear
6 ls
7 cd Documents
8 ls
9 cd ..
10 cd Desktop
11 ls
12 ls -a
13 clear
14 curl -fsSL https://get.docker.com -o get-docker.sh
15 sudo sh get-docker.sh
16 Executing docker install script, commit: 7cae5f8b0decc17d6571f9f52eb840fb13b2737
17 <...>
18 clear
19 sudo su
20 exit
21 sudo su
22 pwd
23 date
24 dtae
25 date
26 date +%y-%m-d
27 date +%y-%m-%d
28 date +%t
29 date +%h-%m-%s
30 date +%y-%m-%d +%h-%m-%d
31 date +%y-%m-%d--%h-%m-%d
32 date +%y-%m-%d/+%h-%m-%s
33 date +%y-%m-%d %H-%M-%S

user@user-Virtual-Machine: ~
user@user-Virtual-Machine: $ date +%y-%m-d
25-01-d
user@user-Virtual-Machine: $ date +%y-%m-%d
25-01-23
user@user-Virtual-Machine: $ date +%
user@user-Virtual-Machine: $ date +%h-%m-%s
Jan-01-1737625516
user@user-Virtual-Machine: $ date +%y-%m-%d +%h-%m-%d
date: extra operand ‘%h-%m-%d’
Try 'date --help' for more information.
user@user-Virtual-Machine: $ date +%y-%m-%d--%h-%m-%d
25-01-23--+Jan-01-23
user@user-Virtual-Machine: $ date +%y-%m-%d/+%h-%m-%s
25-01-23/+Jan-01-1737625595
user@user-Virtual-Machine: $ date +%y-%m-%d %H-%M-%S
date: extra operand ‘%H-%M-%S’
Try 'date --help' for more information.
user@user-Virtual-Machine: $ date +%y-%m-%d--%H:%M:%S
25-01-23--15:17:34
user@user-Virtual-Machine: $ 'date +%y-%m-%d %H:%M:%S'
date +%y-%m-%d %H:%M:%S: command not found
user@user-Virtual-Machine: $ date '+%y-%m-%d %H:%M:%S'
25-01-23 15:18:33
user@user-Virtual-Machine: $ date --set '1511-06-02 12:30:15'
date: cannot set date: Invalid argument
Friday 02 June 1511 12:30:15 PM LMT
user@user-Virtual-Machine: $ sudo date 120112012002.129
[sudo] password for user:
Sorry, try again.
[sudo] password for user:
date: invalid date '120112012002.129'
user@user-Virtual-Machine: $ sudo date --s="2020-06-02 12:20:15"
Tuesday 02 June 2020 12:20:15 PM IST
user@user-Virtual-Machine: $
```

The image shows two terminal windows side-by-side on a dark-themed desktop environment. Both windows are titled "user@user-Virtual-Machine: ~".

Top Terminal Window:

```
Thursday 23 January 2025 03:12:12 PM IST
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:13 PM IST
user@user-Virtual-Machine: $ dtae
Command 'dtae' not found, did you mean:
  command 'dte' from deb dte (1.10-1)
  command 'date' from deb coreutils (8.32-4.1ubuntu1.2)
Try: sudo apt install <deb name>
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:16 PM IST
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:17 PM IST
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:18 PM IST
user@user-Virtual-Machine: $ date +%y-%m-d
25-01-23
user@user-Virtual-Machine: $ date +%y-%m-%d
25-01-23
user@user-Virtual-Machine: $ date +%t

user@user-Virtual-Machine: $ date +%h-%m-%s
Jan-01-1737625516
user@user-Virtual-Machine: $ date +%y-%m-%d +%h-%m-%d
date: extra operand '+%h-%m-%d'
Try 'date --help' for more information.
user@user-Virtual-Machine: $ date +%y-%m-%d--%h-%m-%d
25-01-23--+Jan-01-23
user@user-Virtual-Machine: $ date +%y-%m-%d/+%h-%m-%s
25-01-23/+Jan-01-1737625595
user@user-Virtual-Machine: $ date +%y-%m-%d %H-%M-%S
date: extra operand '%H-%M-%S'
Try 'date --help' for more information.
user@user-Virtual-Machine: $ date +%y-%m-%d--%H:%M:%S
25-01-23--15:17:34
user@user-Virtual-Machine: $
```

Bottom Terminal Window:

```
fstab-decode      ntfscp          wpa_supplicant
fstrim            ntfslabel        xtables-legacy-multi
gdisk             ntfsresize       xtables-monitor
gdm3              ntfsundelete    xtables-nft-multi
genl              on_ac_power     zic
getcap            openvpn         zramctl
getpcaps          ownership
root@user-Virtual-Machine:/usr/sbin# pwd
/usr/sbin
root@user-Virtual-Machine:/usr/sbin# exit
exit
user@user-Virtual-Machine: $ pwd
/home/user
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:08 PM IST
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:12 PM IST
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:13 PM IST
user@user-Virtual-Machine: $ dtae
Command 'dtae' not found, did you mean:
  command 'dte' from deb dte (1.10-1)
  command 'date' from deb coreutils (8.32-4.1ubuntu1.2)
Try: sudo apt install <deb name>
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:16 PM IST
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:17 PM IST
user@user-Virtual-Machine: $ date
Thursday 23 January 2025 03:12:18 PM IST
user@user-Virtual-Machine: $ date +%y-%m-d
25-01-23
user@user-Virtual-Machine: $ date +%y-%m-%d
25-01-23
user@user-Virtual-Machine: $
```

The screenshot shows a dual-boot Linux desktop environment with two terminal windows open. The top window is running as a regular user (root@user-Virtual-Machine) and lists various system utilities. The bottom window is running as root (root@user-Virtual-Machine) and also lists similar utilities, with some entries like 'mkfs.fat' and 'modinfo' being highlighted.

```
Activities Terminal Ubuntu on 0257530497995B1 user@user-Virtual-Machine: ~
fsck.minix      nfnl_osf          vpdecode
fsck.msdos      nft              wipefs
fsck.vfat       nologin         wpa_action
fsfreeze        ntfsclone        wpa_cli
fstab-decode    ntfslabel        wpa_supplicant
fstrim          ntfsresize       xtables-legacy-multi
gdisk           ntfsundelete     xtables-monitor
gdm3            on_ac_power      xtables-nft-multi
genl            openvpn          zic
getcap          ownershipp      zramctl
getpcaps
root@user-Virtual-Machine:/usr/sbin# pwd
/usr/sbin
root@user-Virtual-Machine:/usr/sbin# exit
exit
user@user-Virtual-Machine:~$ pwd
/home/user
user@user-Virtual-Machine:~$ date
Thursday 23 January 2025 03:12:08 PM IST
user@user-Virtual-Machine:~$ date
Thursday 23 January 2025 03:12:12 PM IST
user@user-Virtual-Machine:~$ date
Thursday 23 January 2025 03:12:13 PM IST
user@user-Virtual-Machine:~$ dtae
Command 'dtae' not found, did you mean:
  command 'dte' from deb dte (1.10-1)
  command 'date' from deb coreutils (8.32-4.1ubuntu1.2)
Try: sudo apt install <deb name>
user@user-Virtual-Machine:~$ date
Thursday 23 January 2025 03:12:16 PM IST
user@user-Virtual-Machine:~$ date
Thursday 23 January 2025 03:12:17 PM IST
user@user-Virtual-Machine:~$ date
Thursday 23 January 2025 03:12:18 PM IST
user@user-Virtual-Machine:~$ [REDACTED]

Activities Terminal Ubuntu on 0257530497995B1 root@user-Virtual-Machine: /usr/sbin
e2undo          mkfs.fat          update-mime
e4crypt         mkfs.minix        update-passwd
e4defrag        mkfs.msdos        update-pciids
etables         mkfs.ntfs         update-rc.d
etables-nft     mkfs.vfat         update-secureboot-policy
etables-nft-restore mkhomedir_helper update-shells
etables-nft-save  mknitramfs      update-xmllcatalog
etables-restore   mklost+found    upgrade-from-grub-legacy
etables-save     mkntfs          usb_modeswitch
faillock        modinfo          usb_modeswitch_dispatcher
fatlabel        ModemManager    usbduxd
fdisk           modinfo          useradd
filefrag        modprobe         userdel
findfs          mount.fuse        usermod
fixparts        mount.fuse3       uuid
fsck            mount.lowntfs-3g  valldlocale
fsck.cramfs     mount.ntfs        vcstime
fsck.ext2       mount.ntfs-3g    vdpa
fsck.ext3       netplan          vtigr
fsck.ext4       NetworkManager  vipw
fsck.fat        newusers         vlsudo
fsck.minix      nfnl_osf         vpdecode
fsck.msdos      nft              wipefs
fsck.vfat       nologin         wpa_action
fsfreeze        ntfsclone        wpa_cli
fstab-decode    ntfslabel        wpa_supplicant
fstrim          ntfsresize       xtables-legacy-multi
gdisk           ntfsundelete     xtables-monitor
gdm3            on_ac_power      xtables-nft-multi
genl            openvpn          zic
getcap          ownershipp      zramctl
getpcaps
root@user-Virtual-Machine:/usr/sbin# pwd
/usr/sbin
root@user-Virtual-Machine:/usr/sbin#
```

Activities Terminal Ubuntu on 0257530497995B1

root@user-Virtual-Machine:/usr/sbin

```
e2scrub_all      mkfs.ext4          update-locale
ezundo           mkfs.fat           update-mime
e4crypt           mkfs.minix        update-passwd
e4defrag          mkfs.msdos        update-pcids
ebtables          mkfs.ntfs         update-rc.d
ebtables-nft     mkfs.vfat          update-secureboot-policy
ebtables-nft-restore mkhomedir_helper update-shells
ebtables-nft-save mkintransf       update-xmlcatalog
ebtables-restore  mklost-found      upgrade-from-grub-legacy
ebtables-save    mknfts            usb_modeswitch
faillock          mkswap             usb_modeswitch_dispatcher
fatlabel          ModemManager      usbmuxd
fdisk             modinfo            useradd
filefrag          modprobe           userdel
findfs            mount.fuse         usermod
fixparts          mount.fuse3        uuidd
fsck              mount.lointfs-3g   validlocale
fsck.cramfs       mount.ntfs        vcstime
fsck.ext2         mount.ntfs-3g     vdpa
fsck.ext3         netplan            vigr
fsck.ext4         NetworkManager    vipw
fsck.fat          newusers           visudo
fsck.mninx        nft                vpdecode
fsck.msdos        nologin           wipefs
fsck.vfat         ntfsclone         wpa_action
fsfreeze          ntfsfsp            wpa_cll
fstab-decode      ntfslabel         wpa_supplicant
fstrim            ntfsresize        xtables-legacy-multi
gdisk             ntfsundelete      xtables-monitor
gdm3              on_ac_power       xtables-nft-multi
genl              openvpn            zic
getcap            ownership         zramctl
getpcaps          root@user-Virtual-Machine:/usr/sbin#
```

Activities Terminal Ubuntu on 0257530497995B1

root@user-Virtual-Machine:/etc# cd /home

root@user-Virtual-Machine:/home# ls

docker user

root@user-Virtual-Machine:/home# cd /tmp

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

root@user-Virtual-Machine:/home# cd /opt

root@user-Virtual-Machine:/opt# cd /tmp

root@user-Virtual-Machine:/tmp# ls

gdm3-config-err-8nf2My

snap-private-tmp

systemd-private-d771e2dc183e472ba311e6f2f9a2724f-colord.service-L\$lnN8B

systemd-private-d771e2dc183e472ba311e6f2f9a2724f-ModemManager.service-3urWq2

systemd-private-d771e2dc183e472ba311e6f2f9a2724f-power-profiles-daemon.service-7AD4ZT

systemd-private-d771e2dc183e472ba311e6f2f9a2724f-switcheroo-control.service-hc9sc1

systemd-private-d771e2dc183e472ba311e6f2f9a2724f-systemd-logind.service-oMPzdl

systemd-private-d771e2dc183e472ba311e6f2f9a2724f-systemd-oond.service-7oHepl

systemd-private-d771e2dc183e472ba311e6f2f9a2724f-systemd-resolved.service-1NbIVR

systemd-private-d771e2dc183e472ba311e6f2f9a2724f-systemd-timesyncd.service-lf0aut

systemd-private-d771e2dc183e472ba311e6f2f9a2724f-upower.service-rvTBJz

root@user-Virtual-Machine:/tmp# cd /user

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

root@user-Virtual-Machine:/tmp# cd /usr

root@user-Virtual-Machine:/usr# ls

bin games include lib lib32 lib64 libexec libx32 local sbin share src

root@user-Virtual-Machine:/usr# cd sbin/

root@user-Virtual-Machine:/usr/sbin# ls

aa-remove-unknown getty pam-auth-update
aa-status getweb pam_extrousers_chkpwd
aa-teardown gnome-menus-blacklist pam_extrousers_update
accessedb groupadd pam_getenv
acpid groupdel pam_timestamp_check
addgnupghome groupmems paperconfig
addgroup groupmod parted
add-shell grpck partprobe

The image shows a dual-terminal session on an Ubuntu desktop. The top terminal window is titled "root@user-Virtual-Machine: /etc" and displays the contents of the logrotate configuration file. The bottom terminal window is also titled "root@user-Virtual-Machine: /etc" and shows network configuration details for interfaces eth0 and docker0.

Terminal 1 (Top):

```
root@user-Virtual-Machine: /etc
cat logrotate.d
cat: logrotate.d: Is a directory
root@user-Virtual-Machine:/etc# cat logrotate.conf
# see "man logrotate" for details

# global options do not affect preceding include directives

# rotate log files weekly
weekly

# use the adm group by default, since this is the owning group
# of /var/log/syslog.
su root adm

# keep 4 weeks worth of backlogs
rotate 4

# create new (empty) log files after rotating old ones
create

# use date as a suffix of the rotated file
#dateext

# uncomment this if you want your log files compressed
#compress

# packages drop log rotation information into this directory
include /etc/logrotate.d

# system-specific logs may also be configured here.
root@user-Virtual-Machine:/etc#
```

Terminal 2 (Bottom):

```
root@user-Virtual-Machine: /etc
cat resolv.conf
cat: resolv.conf: No such file or directory
root@user-Virtual-Machine:/etc# resolvectl status
Global
    Protocols: -LLMNR -mDNS -DNSOverTLS DNSSEC=no/unsupported
resolv.conf mode: stub

Link 2 (eth0)
    Current Scopes: DNS
        Protocols: +DefaultRoute +LLMNR -mDNS -DNSOverTLS DNSSEC=no/unsupported
    Current DNS Server: 172.30.48.1
    DNS Servers: 172.30.48.1
    DNS Domain: mshome.net

Link 3 (docker0)
    Current Scopes: none
        Protocols: -DefaultRoute +LLMNR -mDNS -DNSOverTLS DNSSEC=no/unsupported
root@user-Virtual-Machine:/etc# ls
acpt           fuse.conf      lsb-release      rpc
adduser.conf   fwupd         machine-id     rsyslog.conf
alsa           gai.conf       magic          rsyslog.d
alternatives   gdb           magic.mime     rygel.conf
anacrontab    gdm3          mailcap        same.d
apg            geoclue       manpath.config security
apm            ghostscript   mailcap.order  selinux
apparmor      gnome         mime.types    sensors3.conf
apparmor.d    glvnd         manpath.config  sensors.d
apport         gnome         mke2fs.conf   services
appstream.conf group        ModemManager  sgml
apt            group-        modprobe.d    shadow
avahi          grub.d        modules       shadow-
bash.bashrc    gshadow       modules-load.d  shells
```

Activities Terminal Ubuntu on 0257530497995B1

```
root@user-Virtual-Machine:/dev#
root@user-Virtual-Machine:/dev#
root@user-Virtual-Machine:/dev#
root@user-Virtual-Machine:/dev# cd ../sys
root@user-Virtual-Machine:/sys# ls
block class devices fs kernel power
bus dev firmware hypervisor module
root@user-Virtual-Machine:/sys# cd dev
root@user-Virtual-Machine:/sys/dev# ls -ltr
total 0
drwxr-xr-x 2 root root 0 Jan 23 13:02 block
drwxr-xr-x 2 root root 0 Jan 23 13:41 char
root@user-Virtual-Machine:/sys/dev# cd ../../etc/
root@user-Virtual-Machine:/etc# ls
acpi           host.conf          polkit-1
adduser.conf   hostid            ppp
alsa           hostname          printcap
alternatives   hosts             profile
anacrontab    hosts.allow       profile.d
apg.conf       hosts.deny        protocols
apm            hp                pulse
apparmor       ifplugd           python3
apparmor.d     init              python3.10
apport         init.d            rc0.d
appstream.conf inputrc           rc1.d
apt            inittab            rc2.d
avahi          iproute2          rc3.d
bash.bashrc    issue.net        rc4.d
bash_completion bash_completion.d issue
bash_completion.d issue.net      rc5.d
bindresport.blacklist kernel             resolv.conf
blnfmt.d       kernel-img.conf  rmt
bluetooth      kernel-img.conf  rpc
brlapi.key     kernel-loops.conf
```

Activities Terminal Ubuntu on 0257530497995B1

```
root@user-Virtual-Machine:/etc#
mkfontdir          zstdgrep
mkfontscale        zstdless
mkfsfs             zstdmt
root@user-Virtual-Machine:/bin# cd ..../boot
root@user-Virtual-Machine:/boot# ls
config-5.19.0-32-generic  memtest86+.elf
config-6.8.0-51-generic  memtest86+_multiboot.bin
efl
grub
initrd.img          vmlinuz
initrd.img-5.19.0-32-generic  vmlinuz-5.19.0-32-generic
initrd.img-6.8.0-51-generic  vmlinuz-6.8.0-51-generic
initrd.img.old       vmlinuz.old
memtest86+.bin
root@user-Virtual-Machine:/boot# ls
config-5.19.0-32-generic  memtest86+.elf
config-6.8.0-51-generic  memtest86+_multiboot.bin
efl
grub
initrd.img          vmlinuz
initrd.img-5.19.0-32-generic  vmlinuz-5.19.0-32-generic
initrd.img-6.8.0-51-generic  vmlinuz-6.8.0-51-generic
initrd.img.old       vmlinuz.old
memtest86+.bin
root@user-Virtual-Machine:/boot# cd ../
root@user-Virtual-Machine:# cd ..../boot
root@user-Virtual-Machine:/boot# cd ../dev/
root@user-Virtual-Machine:/dev# ls
autofs          loop16    snapshot  tty34  tty9    uhid
block          loop2     snd       tty35  ttysize  winput
bsg            loop3     sr0       tty36  tty50    urandom
btrfs-control  loop4     stderr   tty37  ttys1    userfaultfd
cdrom          loop5     stdln   tty38  ttys10   userio
char            loop6     stdout  tty39  ttys11   vcs
```

The image shows two side-by-side terminal windows running on an Ubuntu system. Both terminals are titled "root@user-Virtual-Machine: /etc".

The left terminal displays a list of commands starting with "chsh" and ending with "cuptestppd". The right terminal displays a list of commands starting with "arch" and ending with "on_ac_power".

Left Terminal Content:

```
chsh
chvt
ciptool
ckbcomp
cksum
clear
clear_console
cmp
codepage
col
colcrt
colorngr
colrm
column
comm
compose
containerd
containerd-shim
containerd-shim-runc-v1
containerd-shim-runc-v2
corelist
cp
cpa
cpa5.34-x86_64-linux-gnu
cplo
cpp
cpp-11
cpupower
c_rehash
crontab
csplit
ctr
ctstat
cuptestppd
```

Right Terminal Content:

```
perlthanks
pf2afm
pfktopfa
pgrep
pic
pico
picconv
pidof
pidwait
pigz
pinentry
pinentry-curses
pinentry-gnome3
pinentry-x11
ping
ping4
ping6
pinky
pipewire
pipewire-media-session
pkaction
pkcheck
pkcon
pkexec
pkill
pkmon
pkttagent
pl2pm
pidd
plog
plymouth
pmap
pnmp2ppa
pod2html
```

The terminals are part of a desktop environment with a dark theme, showing icons for various applications like a browser, file manager, and terminal in the dock.

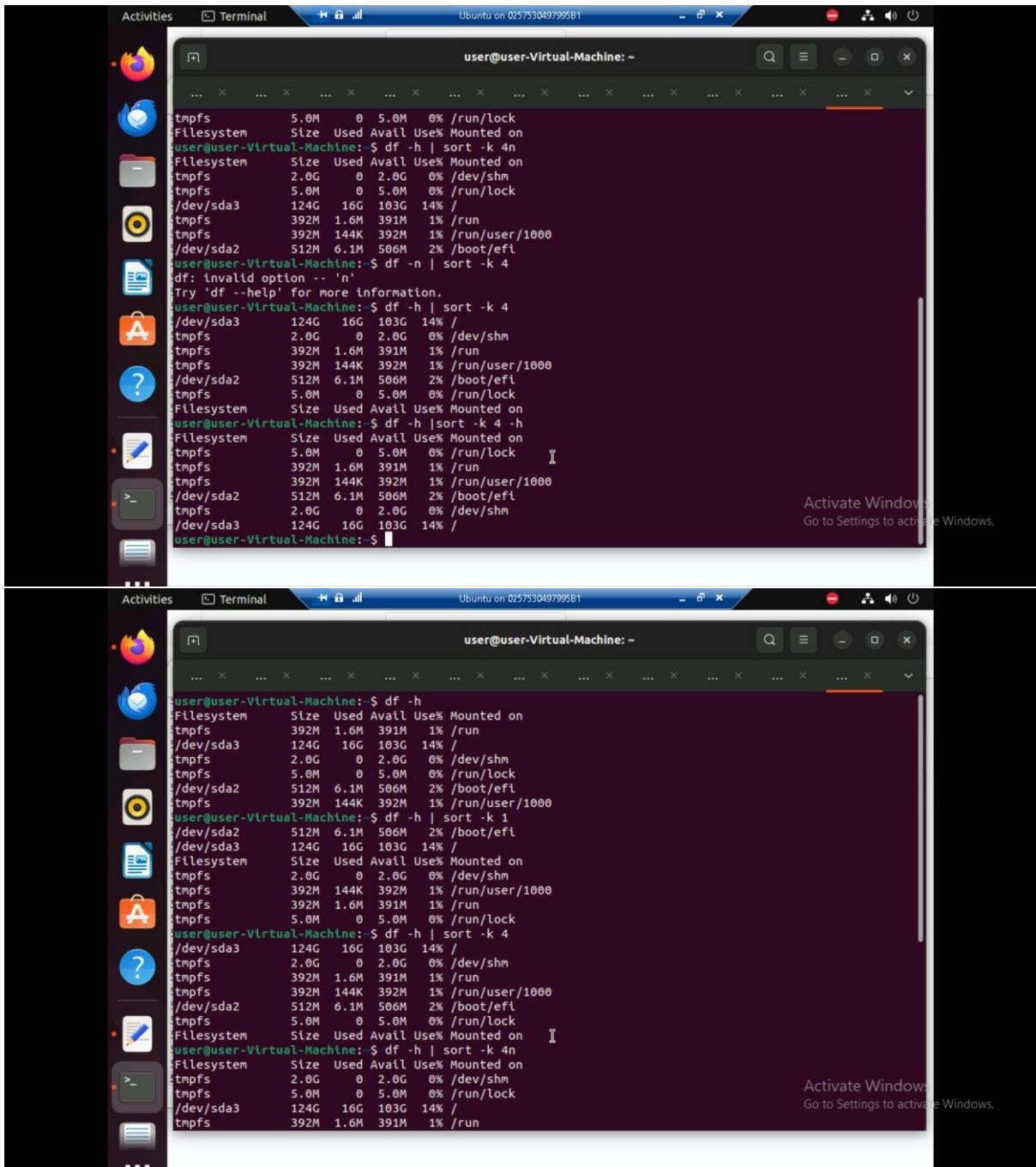
The image shows a dual-terminal session on an Ubuntu desktop. The top terminal window is running as root, displaying a list of system commands. The bottom terminal window is running as a regular user, demonstrating how to switch to root and then back to a user account.

Top Terminal (root):

```
root@user-Virtual-Machine: /etc
mountpoint
mousetweaks
mscompress
msexpand
mt
mt-gnu
mtr
mtr-packet
mv
namel
nano
nautilus
nautilus-autorun-software
nautilus-sendto
awk
nc
nc.openbsd
neqn
netcat
networkctl
networkd-dispatcher
newgrp
nggettext
nice
nlsdomainname
nl
nm-applet
nmcli
nm-connection-editor
nm-online
nntui
nntui-connect
nntui-edit
nntui-hostname
alsabat
alsaloop
alsamixer
alsatplg
alsaucm
amidi
amixer
apg
apgbfm
aplay
aplaymidi
apport-bug
apport-ctl
apport-collect
apport-unpack
appres
appstreamcli
apropos
apt
apt-add-repository
apt-cache
apt-cdrom
apt-config
aptdecon
apt-extracttemplates
apt-ftparchive
apt-get
apt-key
apt-mark
apt-sortpkgs
apturl
apturl-gtk
arch
arecord
```

Bottom Terminal (user):

```
user@user-Virtual-Machine: ~
[sudo] password for user:
root@user-Virtual-Machine:/home/user# pwd
/home/user
root@user-Virtual-Machine:/home/user# cd .
root@user-Virtual-Machine:/home/user# pwd
/home/user
root@user-Virtual-Machine:/home/user# ls
Desktop Downloads get-docker.sh Pictures snap Videos
Documents file.txt Music Public Templates
root@user-Virtual-Machine:/home/user# cd ..
root@user-Virtual-Machine:/home# cd ..
root@user-Virtual-Machine:/# pwd
/
root@user-Virtual-Machine:/# ls
bin dev lib lib32 mnt root snap sys var
boot etc lib32 lost+found opt run srv var
cdrom home lib64 media proc sbin swapfile usr
root@user-Virtual-Machine:/# cd /home/user
root@user-Virtual-Machine:/home/user# cd /
root@user-Virtual-Machine:/# cd bin
root@user-Virtual-Machine:/bin# ls
[...]
aa-enabled
aa-exec
aa-features-abi
aconnect
acpidbg
acpi_listen
add-apt-repository
addpart
airscan-discover
alsabat
alsaloop
mk_modmap
mknod
mksquashfs
mktemp
mkzftree
mmcli
mokutil
monitor-sensor
more
mount
mountpoint
mousetweaks
```



The image shows a dual-terminal setup on an Ubuntu desktop. Both terminals are running on a virtual machine, as indicated by the title bar "Ubuntu on 0257530497995B1".

Top Terminal:

```
user@user-Virtual-Machine: ~
...
user@user-Virtual-Machine: $ sort -r data1.txt
o
p
o
e
d
d
c
b
a
user@user-Virtual-Machine: $ sort -k 2 data1.txt
a
b
c
d
e
o
p
user@user-Virtual-Machine: $ cat data1.txt
a
b
c
d
e
user@user-Virtual-Machine: $
```

Bottom Terminal:

```
user@user-Virtual-Machine: ~
...
user@user-Virtual-Machine: $ echo "a" >> data1.txt
user@user-Virtual-Machine: $ echo "b" >> data1.txt
user@user-Virtual-Machine: $ echo "c" >> data1.txt
user@user-Virtual-Machine: $ echo "d" >> data1.txt
user@user-Virtual-Machine: $ echo "d" >> data1.txt
user@user-Virtual-Machine: $ echo "o" >> data1.txt
user@user-Virtual-Machine: $ sort data1.txt
a
b
c
d
o
user@user-Virtual-Machine: $ echo "p" >> data1.txt
user@user-Virtual-Machine: $ echo "e" >> data1.txt
user@user-Virtual-Machine: $ sort -u data1.txt
a
b
c
d
e
```

A small watermark "Activate Windows" and "Go to Settings to activate Windows." is visible in the bottom right corner of both terminal windows.

The image shows two terminal windows side-by-side on a desktop environment. Both terminals are running on an Ubuntu system, as indicated by the title bar "Ubuntu on 0257530497995B1".

Terminal Window 1 (Top):

```
user@user-Virtual-Machine: ~
grep: ./snap/firefox/common/.cache/immodules/im-vigr.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-broadway.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-tl-er.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-cedilla.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-cyrillic-translit.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-lpa.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-tl-et.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-am-et.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-multipress.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-wayland.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-fcidx.so: No such file or directory
grep: ./snap/firefox/common/.cache/immodules/im-waylandgtk.so: No such file or directory
grep: ./snap/firefox/common/.cache/mozilla/firefox/serpg000.default: Is a directory
grep: ./snap/firefox/common/.cache/mozilla/firefox/serpg000.default/startupCache/scriptCache.bin: binary file matches
grep: ./snap/firefox/common/.cache/mozilla/firefox/serpg000.default/startupCache/scriptCache-child.bin: binary file matches
grep: ./snap/firefox/common/.cache/mozilla/firefox/serpg000.default/startupCache/startupCache.8.little: binary file matches
grep: ./thunderbird: Is a directory
grep: ./thunderbird/ab9nktgg.default-release: Is a directory
grep: ./thunderbird/ab9nktgg.default-release/storage/default/https://www.mozilla.org: Is a directory
grep: ./thunderbird/ab9nktgg.default-release/storage/permanent/chrome/idb/3870112724rsegmnottet-es.files: Is a directory
grep: ./thunderbird/saw19vsh.default: Is a directory
grep: ./config: Is a directory
grep: ./config/goa-1.0: Is a directory
grep: ./config/systemd/user/default/target.wants: Is a directory
grep: ./config/gtk-3.0: Is a directory
user@user-Virtual-Machine: $
```

Terminal Window 2 (Bottom):

```
user@user-Virtual-Machine: ~
grep: ./snap/snapd-desktop-integration/common/.cache/immodules/im-wayland.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/immodules/im-fcidx.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/immodules/im-waylandgtk.so: No such file or directory
grep: ./snap/firefox/5647/.themes: Is a directory
grep: ./snap/firefox/5647/.local: Is a directory
grep: ./snap/firefox/5647/.local/share/glib-2.0: Is a directory
grep: ./snap/firefox/5647/.config: Is a directory
grep: ./snap/firefox/5647/.config/gtk-3.0: Is a directory
grep: ./snap/firefox/5647/.config/gtk-3.0/gtk.css: No such file or directory
grep: ./snap/firefox/5647/.config/gtk-3.0/settings.ini: No such file or directory
grep: ./snap/firefox/5647/.config/gtk-2.0: Is a directory
grep: ./snap/firefox/5647/.config/gtk-2.0/gtkfilechooser.ini: No such file or directory
grep: ./snap/firefox/2356/.themes: Is a directory
grep: ./snap/firefox/2356/.local: Is a directory
grep: ./snap/firefox/2356/.local/share/glib-2.0: Is a directory
grep: ./snap/firefox/2356/.config: Is a directory
grep: ./snap/firefox/2356/.config/gtk-3.0: Is a directory
grep: ./snap/firefox/2356/.config/gtk-3.0/settings.ini: No such file or directory
grep: ./snap/firefox/2356/.config/gtk-2.0: Is a directory
grep: ./snap/firefox/2356/.config/gtk-2.0/gtkfilechooser.ini: No such file or directory
grep: ./snap/firefox/common/.mozilla/firefox/serpg000.default: Is a directory
grep: ./snap/firefox/common/.mozilla/firefox/serpg000.default/browser-extension-data/amazondotcom@search.mozilla.org: Is a directory
grep: ./snap/firefox/common/.mozilla/firefox/serpg000.default/gmp-gmpopenh264/2.3.2: Is a directory
grep: ./snap/firefox/common/.mozilla/firefox/serpg000.default/gmp-gmpopenh264/2.3.2/libgmpopenh264.so: binary file matches
grep: ./snap/firefox/common/.mozilla/firefox/serpg000.default/storage/default/https://www.google.com^p
```

The image shows a dual-terminal setup on an Ubuntu desktop. Both terminals are running on a virtual machine, as indicated by the title bar "Ubuntu on 0257530497995B1".

Top Terminal:

```
user@user-Virtual-Machine: ~
grep: ./snap/snapd-desktop-integration/253/.config/gtk-3.0/settings.ini: No such file or directory
grep: ./snap/snapd-desktop-integration/253/.config/gtk-2.0: Is a directory
grep: ./snap/snapd-desktop-integration/253/.config/gtkfilechooser.ini: No such file or directory
grep: ./snap/snapd-desktop-integration/49/.themes: Is a directory
grep: ./snap/snapd-desktop-integration/49/.local: Is a directory
grep: ./snap/snapd-desktop-integration/49/.local/share/glib-2.0: Is a directory
grep: ./snap/snapd-desktop-integration/49/.config: Is a directory
grep: ./snap/snapd-desktop-integration/49/.config/gtk-3.0: Is a directory
grep: ./snap/snapd-desktop-integration/49/.config/gtk-3.0/settings.ini: No such file or directory
grep: ./snap/snapd-desktop-integration/49/.config/gtk-2.0: Is a directory
grep: ./snap/snapd-desktop-integration/49/.config/gtk-2.0/gtkfilechooser.int: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache: Is a directory
grep: ./snap/snapd-desktop-integration/common/.cache/gio-modules/libgiolibproxy.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/gio-modules/libgioenvironmentproxy.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/gio-modules/libgiognutls.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/gio-modules/libdconfsettings.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/gio-modules/libgiognomeproxy.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/immodules/im-thai.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/immodules/im-ibus.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/immodules/im-xim.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/immodules/im-inuktitut.so: No such file or directory
grep: ./snap/snapd-desktop-integration/common/.cache/immodules/im-viqr.so: No such file or directory
```

Bottom Terminal:

```
user@user-Virtual-Machine: ~
find . -name "*.*" exec grep "ERROR" {}|;
find: unknown predicate '-namr'
user@user-Virtual-Machine: $ find . -name "*.*" exec grep "ERROR" {}|;
find: paths must precede expression: `exec'
user@user-Virtual-Machine: $ find . -name "*.*" -exec grep "ERROR" {}|;
find: missing argument to `-exec'
user@user-Virtual-Machine: $ find . -name "*.*" -exec grep "ERROR" {} \;
grep: ./mozilla: Is a directory
grep: ./Is a directory
grep: ./dison results" echo "ERROR: '$VERSION' not found amongst apt-cache ma
grep: ./list results" echo "ERROR: '$VERSION' not found amongst $pkg_manager
grep: ./results" echo "ERROR: '$VERSION' not found amongst zypper list
echo "ERROR: Unsupported operating system '$macOS'" I
echo "ERROR: Unsupported distribution '$lsb_dist'" I
grep: ./local: Is a directory
grep: ./cache: Is a directory
grep: ./cache/gstreamer-1.0: Is a directory
grep: ./cache/thunderbird/ab9nktgg.default-release: Is a directory
grep: ./cache/thunderbird/ab9nktgg.default-release/startupCache/startupCache.8.little: binary file ma
tches
grep: ./cache/thunderbird/saw19vsh.default: Is a directory
grep: ./snap/snapd-desktop-integration/253/.themes: No such file or directory
grep: ./snap/snapd-desktop-integration/253/.local: Is a directory
grep: ./snap/snapd-desktop-integration/253/.local/share/glib-2.0: Is a directory
grep: ./snap/snapd-desktop-integration/253/.config: Is a directory
grep: ./snap/snapd-desktop-integration/253/.config/gtk-3.0: Is a directory
grep: ./snap/snapd-desktop-integration/253/.config/gtk-3.0/gtk.css: No such file or directory
```

The image shows a dual-terminal session on an Ubuntu desktop. The top terminal window displays the output of a file search command, while the bottom window shows the creation of a new file and folder.

Top Terminal Window Output:

```
user@user-Virtual-Machine: ~$ ls -ltr
total 84
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Videos
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Templates
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Public
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Pictures
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Music
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Downloads
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Documents
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Desktop
drwx----- 4 user user 4096 Dec 24 12:21 snap
-rw-r--r-- 1 root root 22592 Jan 21 11:45 get-docker.sh
drwxrwxr-x 2 user user 4096 Jan 24 12:02 luckyday
drwxrwxr-x 2 user user 4096 Jan 24 13:32 newfolder
drwxrwxr-x 2 user user 4096 Jan 24 13:38 folder
-rw-rw-r-- 1 user user 11 Jan 24 13:50 file1.txt
-rw-rw-r-- 1 user user 11 Jan 24 13:54 file2.txt
drwxrwxr-x 2 user user 4096 Jan 24 14:00 file
user@user-Virtual-Machine: $ find . -name Downloads -mtime +7
user@user-Virtual-Machine: $ find . -name Downloads -mtime +7
./Downloads
user@user-Virtual-Machine: $ find . -name Downloads -mtime -7
user@user-Virtual-Machine: $ find . -name Public -mtime -7
user@user-Virtual-Machine: $ find . -name Public -mtime +7
./Public
user@user-Virtual-Machine: $
```

Bottom Terminal Window Output:

```
./file1.txt
./luckyday/file1.txt
./newfolder/file1.txt
user@user-Virtual-Machine: $ find . -iname "File*.txt"
./file1.txt
./file2.txt
./luckyday/file1.txt
./luckyday/file3.txt
./newfolder/file1.txt
./newfolder/file3.txt
user@user-Virtual-Machine: $ find . -name "File*.txt"
user@user-Virtual-Machine: $ mkdir file
user@user-Virtual-Machine: $ ls
Desktop  Downloads file1.txt  folder      luckyday  newfolder  Public  Templates
Documents file      file2.txt  get-docker.sh  Music    Pictures  snap    Videos
user@user-Virtual-Machine: $ find . -iname "file1*" -type f
./file1.txt
./luckyday/file1.txt
./luckyday/file1.tct
./newfolder/file1.txt
./newfolder/file1.tct
./folder/file1.tct
user@user-Virtual-Machine: $ find . -iname "file1*"
./file1.txt
./luckyday/file1.txt
./luckyday/file1.tct
./newfolder/file1.txt
./newfolder/file1.tct
./folder/file1.tct
user@user-Virtual-Machine: $
```

The image shows a dual-terminal setup on an Ubuntu desktop. Both terminals are running on the user@user-Virtual-Machine account.

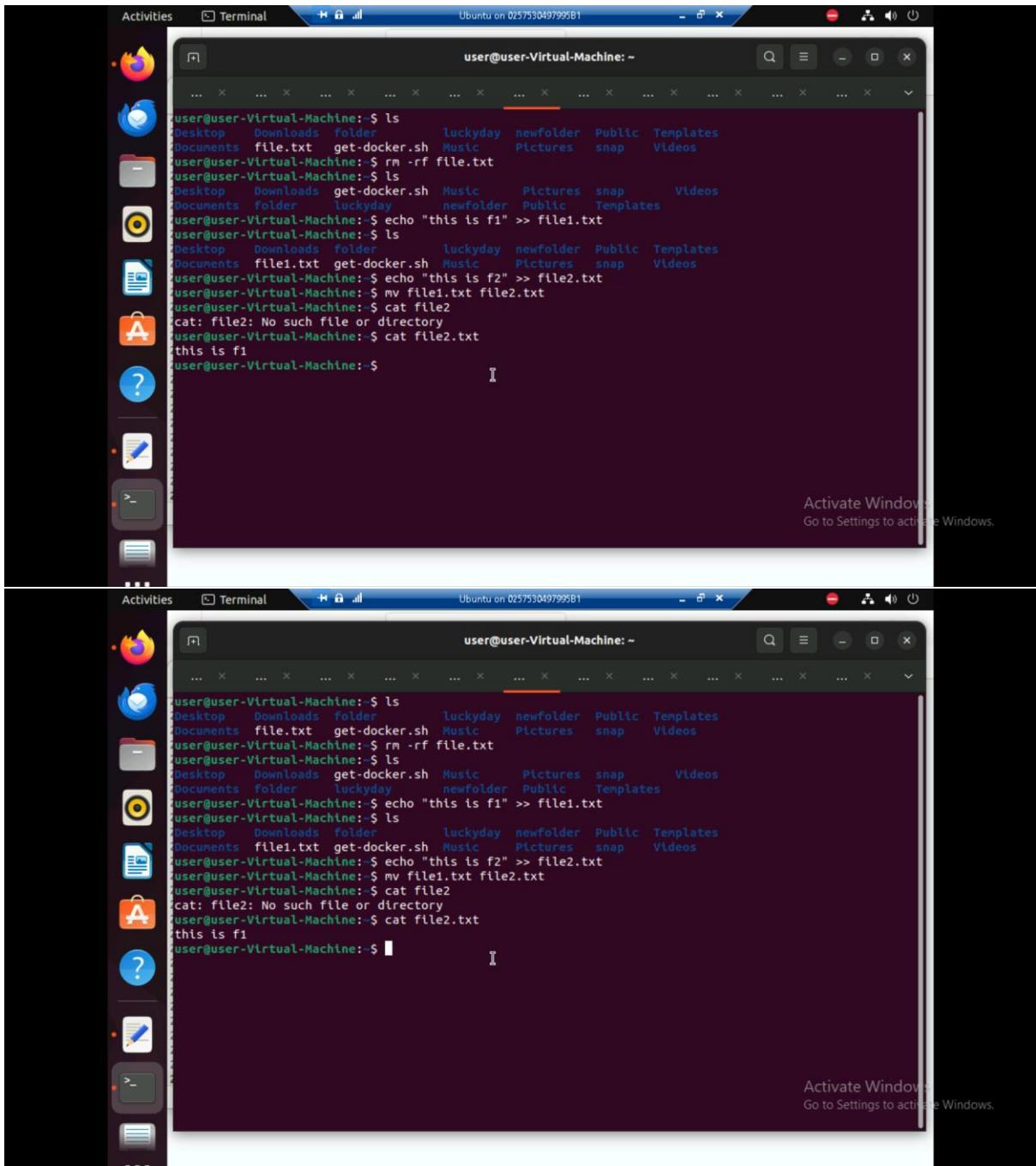
Top Terminal:

```
user@user-Virtual-Machine: ~
./luckyday/test.txt
./luckyday/text2.txt
./.cache/tracker3/files/locale-for-miner-apps.txt
./.cache/tracker3/files/last-crawl.txt
./.cache/tracker3/files/first-index.txt
./newfolder/file1.txt
./newfolder/test1.txt
./newfolder/file3.txt
./newfolder/test2.txt
./newfolder/test4.txt
./newfolder/test.txt
./newfolder/text2.txt
./snap/firefox/common/.mozilla/firefox/serpg000.default/SiteSecurityServiceState.txt
./snap/firefox/common/.mozilla/firefox/serpg000.default/pkcs11.txt
./snap/firefox/common/.mozilla/firefox/serpg000.default/AlternateServices.txt
./snap/firefox/common/.mozilla/firefox/serpg000.default/serviceworker.txt
./.thunderbird/ab9nktgg.default-release/encrypted-openpgp-passphrase.txt
./.thunderbird/ab9nktgg.default-release/SiteSecurityServiceState.txt
./.thunderbird/ab9nktgg.default-release/pkcs11.txt
./.thunderbird/ab9nktgg.default-release/AlternateServices.txt
user@user-Virtual-Machine: $ find . -name "file1.txt"
./file1.txt
./luckyday/file1.txt
./newfolder/file1.txt
user@user-Virtual-Machine: $ find . -iname "File*.txt"
./file1.txt
./file2.txt
./luckyday/file1.txt
./luckyday/file3.txt
./newfolder/file1.txt
```

Bottom Terminal:

```
user@user-Virtual-Machine: ~
Desktop  Downloads  folder  luckyday  newfolder  Public  Templates
Documents  file2.txt  get-docker.sh  Music  Pictures  snap  Videos
user@user-Virtual-Machine: $ ls
Desktop  Downloads  file2.txt  get-docker.sh  Music  Pictures  snap  Videos
Documents  file1.txt  folder  luckyday  newfolder  Public  Templates
user@user-Virtual-Machine: $ find . -name file1.txt
./file1.txt
./luckyday/file1.txt
./newfolder/file1.txt
user@user-Virtual-Machine: $ find . -name *.txt
find: paths must precede expression: 'file2.txt'
find: possible unquoted pattern after predicate '-name'?
user@user-Virtual-Machine: $ find . -name*.txt
find: unknown predicate '-name*.txt'
user@user-Virtual-Machine: $ find . -name "*.txt"
./file1.txt
./file2.txt
./luckyday/file1.txt
./luckyday/test1.txt
./luckyday/file3.txt
./luckyday/test2.txt
./luckyday/test4.txt
./luckyday/test.txt
./luckyday/text2.txt
./.cache/tracker3/files/locale-for-miner-apps.txt
./.cache/tracker3/files/last-crawl.txt
./.cache/tracker3/files/first-index.txt
./newfolder/file1.txt
```

A tooltip "Activate Window" with the sub-instruction "Go to Settings to activate Windows." is visible in the bottom right corner of both terminal windows.



```
user@user-Virtual-Machine: ~$ cat newfolder
cat: newfolder: Is a directory
user@user-Virtual-Machine: ~$ cd newfolder/
user@user-Virtual-Machine: ~/newfolder$ ls
file1.tct file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt
user@user-Virtual-Machine: ~/newfolder$ cd ..
user@user-Virtual-Machine: ~$ cd folder
user@user-Virtual-Machine: ~/folder$ ls
file1.tct file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt
user@user-Virtual-Machine: ~/folder$ rm -I *.txt
rm: remove 7 arguments? y
user@user-Virtual-Machine: ~/folder$ cd ..
user@user-Virtual-Machine: ~$ rm -I *.txt
rm: remove 7 arguments? y
user@user-Virtual-Machine: ~$ ls
Desktop Downloads get-docker.sh Music Pictures snap Videos
Documents Folder luckyday newfolder Public Templates
user@user-Virtual-Machine: ~$ ls
Desktop Downloads get-docker.sh Music Pictures snap Videos
Documents Folder luckyday newfolder Public Templates
user@user-Virtual-Machine: ~$ rm -d folder
rm: cannot remove 'folder': Directory not empty
user@user-Virtual-Machine: ~$ rm -df folder
rm: cannot remove 'folder': Directory not empty
user@user-Virtual-Machine: ~$ cd folder
user@user-Virtual-Machine: ~/folder$ ls
file1.tct
user@user-Virtual-Machine: ~/folder$ cd ../
user@user-Virtual-Machine: ~$
```



```
user@user-Virtual-Machine: ~$ pwd
/home/user/luckyday
user@user-Virtual-Machine: ~/luckyday$ cd ../
user@user-Virtual-Machine: ~$ pwd
/home/user
user@user-Virtual-Machine: ~$ cd lucky
bash: cd: lucky: No such file or directory
user@user-Virtual-Machine: ~$ cd lucky newfolder
bash: cd: too many arguments
user@user-Virtual-Machine: ~$ cp lucky newfolder
cp: cannot stat 'lucky': No such file or directory
user@user-Virtual-Machine: ~$ cp -r lucky newfolder
cp: cannot stat 'lucky': No such file or directory
user@user-Virtual-Machine: ~$ cp -r luckyday newfolder
user@user-Virtual-Machine: ~$ mkdir folder
user@user-Virtual-Machine: ~$ cp luckyday/*.* folder/
user@user-Virtual-Machine: ~$ ls folder/
file1.tct file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt
user@user-Virtual-Machine: ~$ ls
Desktop file1.tct get-docker.sh newfolder snap test2.txt text2.txt
Documents file3.txt luckyday Pictures Templates test4.txt Videos
Downloads Folder Music Public test1.txt test.txt
user@user-Virtual-Machine: ~$ cat newfolder
cat: newfolder: Is a directory
user@user-Virtual-Machine: ~$ cd newfolder/
user@user-Virtual-Machine: ~/newfolder$ ls
file1.tct file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt
user@user-Virtual-Machine: ~/newfolder$ cd ../
user@user-Virtual-Machine: ~$ cd folder
user@user-Virtual-Machine: ~/folder$ ls
```

The image shows two terminal windows side-by-side on a dark-themed desktop environment. Both terminals are running on an Ubuntu system, as indicated by the title bar.

Terminal 1 (Left):

```
user@user-Virtual-Machine: ~/luckyday
...
good mormi
Parent file1.txt
Parent file1.txt
user@user-Virtual-Machine:~/luckyday$ cd ../
user@user-Virtual-Machine:~$ ls
Desktop  file1.txt  luckyday  Public  test1.txt  test.txt
Documents  file3.txt  Music   snap    test2.txt  text2.txt
Downloads get-docker.sh  Pictures  Templates  test4.txt  Videos
user@user-Virtual-Machine:~$ cat file1.txt
gili
good mormi
Parent file1.txt
Parent file1.txt
user@user-Virtual-Machine:~$ cd luckyday/
user@user-Virtual-Machine:~/luckyday$ ls
file1.txt  file3.txt  test1.txt  test2.txt  test4.txt  test.txt  text2.txt
user@user-Virtual-Machine:~/luckyday$ cat file3.txt
gili
good mormi
user@user-Virtual-Machine:~/luckyday$ echo "Parent changed" >../file3.txt
user@user-Virtual-Machine:~/luckyday$ cp -uv ..//file3.txt
cp: missing destination file operand after '../file3.txt'
Try 'cp --help' for more information.
user@user-Virtual-Machine:~/luckyday$ cp -uv ..//file3.txt file3.txt
'..//file3.txt' -> 'file3.txt'
user@user-Virtual-Machine:~/luckyday$ cat file3.txt
gili
good mormi
Parent changed
user@user-Virtual-Machine:~/luckyday$
```

Terminal 2 (Right):

```
user@user-Virtual-Machine: ~/luckyday
...
'..//file1.txt' -> 'file1.txt'
user@user-Virtual-Machine:~/luckyday$ cat file1.txt
gili
good mormi
Parent file1.txt
user@user-Virtual-Machine:~/luckyday$ cat file1.txt
gili
good mormi
Parent file1.txt
user@user-Virtual-Machine:~/luckyday$ echo "Parent" > ..//file1.txt file1.txt
'..//file1.txt' -> 'file1.txt'
user@user-Virtual-Machine:~/luckyday$ cat file1.txt
cat: file1.txt: No such file or directory
user@user-Virtual-Machine:~/luckyday$ cat file1.txt
gili
good mormi
Parent file1.txt
Parent file1.txt
user@user-Virtual-Machine:~/luckyday$ cd ../
user@user-Virtual-Machine:~$ ls
Desktop  file1.txt  luckyday  Public  test1.txt  test.txt
Documents  file3.txt  Music   snap    test2.txt  text2.txt
Downloads get-docker.sh  Pictures  Templates  test4.txt  Videos
user@user-Virtual-Machine:~$ cat file1.txt
gili
good mormi
Parent file1.txt
Parent file1.txt
user@user-Virtual-Machine:~$ cd luckyday/
```

In both terminals, the user is interacting with files in a directory named 'luckyday'. The first terminal shows the user changing the parent of 'file3.txt' to itself and then copying it back. The second terminal shows the user attempting to do the same with 'file1.txt', which results in a 'No such file or directory' error because the file has already been moved.

The image shows two terminal windows side-by-side on a dark-themed desktop environment. Both windows are titled "user@user-Virtual-Machine: ~/luckyday".

Top Terminal Window:

```
There is NO WARRANTY, to the extent permitted by law.  
Written by Torbjorn Granlund, David MacKenzie, and Jim Meyering.  
user@user-Virtual-Machine: $ cp -u  
cp: missing file operand  
Try 'cp --help' for more information.  
user@user-Virtual-Machine: $ cd luckyday/  
user@user-Virtual-Machine:~/luckyday$ ls  
file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt  
user@user-Virtual-Machine:~/luckyday$ ls -ltr  
total 28  
-rw-rw-r-- 1 user user 3 Jan 24 11:47 test2.txt  
-rw-rw-r-- 1 user user 4 Jan 24 11:47 test1.txt  
-rw-rw-r-- 1 user user 16 Jan 24 11:47 file3.txt  
-rw-rw-r-- 1 user user 16 Jan 24 11:47 file1.txt  
-rw-rw-r-- 1 user user 18 Jan 24 11:47 text2.txt  
-rw-rw-r-- 1 user user 563 Jan 24 11:47 test.txt  
-rw-rw-r-- 1 user user 4 Jan 24 11:47 test4.txt  
user@user-Virtual-Machine:~/luckyday$ ls  
file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt  
user@user-Virtual-Machine:~/luckyday$ echo "Child" >> file1.txt  
user@user-Virtual-Machine:~/luckyday$ cp -uv ..//file1.txt file1.txt  
user@user-Virtual-Machine:~/luckyday$ cat file1.txt  
gili  
good mormi  
user@user-Virtual-Machine:~/luckyday$ echo "Child" >> file1.txt  
user@user-Virtual-Machine:~/luckyday$ cp -uv ..//file1.txt file1.txt  
user@user-Virtual-Machine:~/luckyday$ cat file1.txt  
gili  
good mormi
```

Bottom Terminal Window:

```
cp: overwrite 'luckyday/test4.txt'?  
cp: overwrite 'luckyday/test.txt'? y  
cp: overwrite 'luckyday/text2.txt'? y  
user@user-Virtual-Machine: $ cp -v *.txt luckyday/  
'file1.txt' -> 'luckyday/file1.txt'  
'file3.txt' -> 'luckyday/file3.txt'  
'test1.txt' -> 'luckyday/test1.txt'  
'test2.txt' -> 'luckyday/test2.txt'  
'test4.txt' -> 'luckyday/test4.txt'  
'test.txt' -> 'luckyday/test.txt'  
'text2.txt' -> 'luckyday/text2.txt'  
user@user-Virtual-Machine: $ man cp | grep version  
    --version  
          output version information and exit  
          PLE_BACKUP_SUFFIX. The version control method may be selected via  
          GNU GPL version 3 or later <https://gnu.org/licenses/gpl.html>.  
user@user-Virtual-Machine: $ man cp | grep -- version  
    --version  
          output version information and exit  
          PLE_BACKUP_SUFFIX. The version control method may be selected via  
          GNU GPL version 3 or later <https://gnu.org/licenses/gpl.html>.  
user@user-Virtual-Machine: $ cp --version  
cp (GNU coreutils) 8.32  
Copyright (C) 2020 Free Software Foundation, Inc.  
License GPLv3+: GNU GPL version 3 or later <https://gnu.org/licenses/gpl.html>.  
This is free software: you are free to change and redistribute it.  
There is NO WARRANTY, to the extent permitted by law.  
Written by Torbjorn Granlund, David MacKenzie, and Jim Meyering.
```

The image shows a dual-terminal session on an Ubuntu desktop. The top terminal window is titled "user@user-Virtual-Machine: ~/luckyday" and displays a command-line session involving file manipulation and directory creation. The bottom terminal window is titled "user@user-Virtual-Machine: ~" and displays the output of the "ip a" command, listing network interfaces and their configurations. Both terminals are set against a dark background with a standard Ubuntu dock at the bottom.

```
user@user-Virtual-Machine: $ ls
Desktop  Downloads  file3.txt  get-docker.sh  Pictures  snap  test1.txt  test.txt  Videos
Documents  file1.txt  file.txt  Music  Public  Templates  test2.txt  text2.txt
user@user-Virtual-Machine: $ cat test1.txt
hi
user@user-Virtual-Machine: $ cat test2.txt
hi
user@user-Virtual-Machine: $ cp test1.txt test4.txt
user@user-Virtual-Machine: $ cat test4.txt
Hi!
user@user-Virtual-Machine: $ mkdir luckyday
user@user-Virtual-Machine: $ cp test1.txt test10.txt luckyday
cp: cannot stat 'test10.txt': No such file or directory
user@user-Virtual-Machine: $ cp test1.txt test2.txt luckyday
user@user-Virtual-Machine: $ cat luckyday/
cat: luckyday/: Is a directory
user@user-Virtual-Machine: $ ls luckyday/
test1.txt  test2.txt
user@user-Virtual-Machine: $ ls
Desktop  file1.txt  get-docker.sh  Pictures  Templates  test4.txt  Videos
Documents  file3.txt  luckyday  Public  test1.txt  test.txt
Downloads  file.txt  Music  snap  test2.txt  text2.txt
user@user-Virtual-Machine: $ cp *.txt luckyday/
cp: cannot open 'file.txt' for reading: Permission denied
user@user-Virtual-Machine: $ rm -rf file.txt
user@user-Virtual-Machine: $ cp *.txt luckyday/
user@user-Virtual-Machine: $ ls luckyday/
file1.txt  file3.txt  test1.txt  test2.txt  test4.txt  test.txt  text2.txt
user@user-Virtual-Machine: $ cp -i *.txt luckyday/
cp: overwrite 'luckyday/file1.txt'? y
Activate Window: Go to Settings to activate Windows.

15 U
16 g
17 U
18 user@User-Virtual-Machine: $ ip a
19 0: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
20   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
21     inet 127.0.0.1/8 scope host lo
22       valid_lft forever preferred_lft forever
23     inet6 ::1/128 scope host
24       valid_lft forever preferred_lft forever
25 2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
26   link/ether 00:15:5d:03:10:01 brd ff:ff:ff:ff:ff:ff
27     inet 172.29.133.180/20 brd 172.29.143.255 scope global dynamic noprefixroute eth0
28       valid_lft 66693sec preferred_lft 66693sec
29     inet6 fe80::2117:2e2b:78e:1b9a/64 scope link noprefixroute
30       valid_lft forever preferred_lft forever
31 3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
32   link/ether 02:42:0f:97:3c:59 brd ff:ff:ff:ff:ff:ff
33     inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
34       valid_lft forever preferred_lft forever
35 user@User-Virtual-Machine: $
```

The image shows a dual-terminal session on an Ubuntu desktop. Both terminals are running the command `df -h` to check disk usage.

Terminal 1 Output:

```
tmpfs      5.0M    0  5.0M  0% /run/lock
Filesystem  Size  Used Avail Use% Mounted on
tmpfs      2.0G    0  2.0G  0% /dev/shm
tmpfs      5.0M    0  5.0M  0% /run/lock
/dev/sda3   124G   16G  103G  14% /
tmpfs      392M  1.6M  391M  1% /run
tmpfs      392M  144K  392M  1% /run/user/1000
/dev/sda2   512M  6.1M  506M  2% /boot/efi
tmpfs      5.0M    0  5.0M  0% /run/lock
Filesystem  Size  Used Avail Use% Mounted on
user@user-Virtual-Machine: ~$ df -n | sort -k 4
df: invalid option -- 'n'
Try 'df --help' for more information.
user@user-Virtual-Machine: ~$ df -h | sort -k 4
/dev/sda3   124G   16G  103G  14% /
tmpfs      2.0G    0  2.0G  0% /dev/shm
tmpfs      392M  1.6M  391M  1% /run
tmpfs      392M  144K  392M  1% /run/user/1000
/dev/sda2   512M  6.1M  506M  2% /boot/efi
tmpfs      5.0M    0  5.0M  0% /run/lock
Filesystem  Size  Used Avail Use% Mounted on
user@user-Virtual-Machine: ~$ df -h | sort -k 4 -h
Filesystem  Size  Used Avail Use% Mounted on
tmpfs      5.0M    0  5.0M  0% /run/lock
tmpfs      392M  1.6M  391M  1% /run
tmpfs      392M  144K  392M  1% /run/user/1000
/dev/sda2   512M  6.1M  506M  2% /boot/efi
tmpfs      2.0G    0  2.0G  0% /dev/shm
/dev/sda3   124G   16G  103G  14% /
user@user-Virtual-Machine: ~$
```

Terminal 2 Output:

```
user@user-Virtual-Machine: ~$ df -h
Filesystem  Size  Used Avail Use% Mounted on
tmpfs      392M  1.6M  391M  1% /run
/dev/sda3   124G   16G  103G  14% /
tmpfs      2.0G    0  2.0G  0% /dev/shm
tmpfs      5.0M    0  5.0M  0% /run/lock
/dev/sda2   512M  6.1M  506M  2% /boot/efi
tmpfs      392M  144K  392M  1% /run/user/1000
user@user-Virtual-Machine: ~$ df -h | sort -k 1
/dev/sda2   512M  6.1M  506M  2% /boot/efi
/dev/sda3   124G   16G  103G  14% /
Filesystem  Size  Used Avail Use% Mounted on
tmpfs      2.0G    0  2.0G  0% /dev/shm
tmpfs      392M  144K  392M  1% /run/user/1000
tmpfs      5.0M    0  5.0M  0% /run/lock
user@user-Virtual-Machine: ~$ df -h | sort -k 4
/dev/sda3   124G   16G  103G  14% /
tmpfs      2.0G    0  2.0G  0% /dev/shm
tmpfs      392M  1.6M  391M  1% /run
tmpfs      392M  144K  392M  1% /run/user/1000
/dev/sda2   512M  6.1M  506M  2% /boot/efi
tmpfs      5.0M    0  5.0M  0% /run/lock
Filesystem  Size  Used Avail Use% Mounted on
user@user-Virtual-Machine: ~$ df -h | sort -k 4n
Filesystem  Size  Used Avail Use% Mounted on
tmpfs      2.0G    0  2.0G  0% /dev/shm
tmpfs      5.0M    0  5.0M  0% /run/lock
/dev/sda3   124G   16G  103G  14% /
tmpfs      392M  1.6M  391M  1% /run
```

Both terminals show identical disk usage output. A tooltip "Activate Windows" is visible in the bottom right corner of both terminal windows.

The image shows a dual-terminal setup on an Ubuntu desktop. Both terminals are running on a virtual machine, as indicated by the title bar "Ubuntu on 0257530497995B1".

Top Terminal:

```
user@user-Virtual-Machine: ~
user@user-Virtual-Machine: $ df -h
Filesystem      Size  Used Avail Use% Mounted on
tmpfs          392M   1.6M  391M  1% /run
/dev/sda3       124G  16G  103G  14% /
tmpfs          2.0G     0  2.0G  0% /dev/shm
tmpfs          5.0M     0  5.0M  0% /run/lock
/dev/sda2       512M  6.1M  506M  2% /boot/efi
tmpfs          392M  144K  392M  1% /run/user/1000
user@user-Virtual-Machine: $ df -h | sort -k 1
/dev/sda2       512M  6.1M  506M  2% /boot/efi
/dev/sda3       124G  16G  103G  14% /
Filesystem      Size  Used Avail Use% Mounted on
tmpfs          2.0G     0  2.0G  0% /dev/shm
tmpfs          392M  144K  392M  1% /run/user/1000
tmpfs          392M  1.6M  391M  1% /run
tmpfs          5.0M     0  5.0M  0% /run/lock
user@user-Virtual-Machine: $ df -h | sort -k 4
/dev/sda3       124G  16G  103G  14% /
tmpfs          2.0G     0  2.0G  0% /dev/shm
tmpfs          392M  1.6M  391M  1% /run
tmpfs          392M  144K  392M  1% /run/user/1000
/dev/sda2       512M  6.1M  506M  2% /boot/efi
tmpfs          5.0M     0  5.0M  0% /run/lock
Filesystem      Size  Used Avail Use% Mounted on
user@user-Virtual-Machine: ~
```

Bottom Terminal:

```
user@... ~ user@... ~ user@... ~ user@... ~ user@... ~ user@... ~ user@... ~
user@... ~
user@... ~ ./cache/tracker3/files/last-crawl.txt
user@... ~ ./cache/tracker3/files/first-index.txt
user@... ~ ./newfolder/file1.txt
user@... ~ ./newfolder/test1.txt
user@... ~ ./newfolder/file3.txt
user@... ~ ./newfolder/test2.txt
user@... ~ ./newfolder/test4.txt
user@... ~ ./newfolder/test.txt
user@... ~ ./newfolder/text2.txt
user@... ~ ./snap/firefox/common/.mozilla/firefox/serpg00.default/SiteSecurityServiceState.txt
user@... ~ ./snap/firefox/common/.mozilla/firefox/serpg00.default/pkcs11.txt
user@... ~ ./snap/firefox/common/.mozilla/firefox/serpg00.default/AlternateServices.txt
user@... ~ ./snap/firefox/common/.mozilla/firefox/serpg00.default/serviceworker.txt
user@... ~ ./thunderbird/ab9nktgg.default-release/encrypted-openpgp-passphrase.txt
user@... ~ ./thunderbird/ab9nktgg.default-release/SiteSecurityServiceState.txt
user@... ~ ./thunderbird/ab9nktgg.default-release/pkcs11.txt
user@... ~ ./thunderbird/ab9nktgg.default-release/AlternateServices.txt
user@user-Virtual-Machine: ~$ find . -name "file1.txt"
user@user-Virtual-Machine: ~$ ./file1.txt
user@user-Virtual-Machine: ~$ ./file2.txt
user@user-Virtual-Machine: ~$ ./luckyday/file1.txt
user@user-Virtual-Machine: ~$ ./luckyday/file3.txt
user@user-Virtual-Machine: ~$ ./newfolder/file1.txt
user@user-Virtual-Machine: ~$ ./newfolder/file3.txt
user@user-Virtual-Machine: ~$ find . -name "File*.txt"
user@user-Virtual-Machine: ~$ user@user-Virtual-Machine: ~$
```

The image shows two terminal windows side-by-side on a dark-themed desktop environment. The desktop bar at the top displays the text "Activities", "Terminal", and "Ubuntu on 0257530497995B1". The right terminal window has a red status bar showing multiple tabs labeled "user@...".

Top Terminal Window:

```
user@user-Virtual-Machine: ~
./luckyday/file1.txt
./luckyday/test1.txt
./luckyday/file3.txt
./luckyday/test2.txt
./luckyday/test4.txt
./luckyday/test.txt
./luckyday/text2.txt
./.cache/tracker3/files/locale-for-miner-apps.txt
./.cache/tracker3/files/last-crawl.txt
./.cache/tracker3/files/first-index.txt
./newFolder/file1.txt
./newFolder/test1.txt
./newFolder/file3.txt
./newFolder/test2.txt
./newFolder/test4.txt
./newFolder/test.txt
./newFolder/text2.txt
./snap/firefox/common/.mozilla/firefox/serpg000.default/SiteSecurityServiceState.txt
./snap/firefox/common/.mozilla/firefox/serpg000.default/pkcs11.txt
./snap/firefox/common/.mozilla/firefox/serpg000.default/AlternateServices.txt
./snap/firefox/common/.mozilla/firefox/serpg000.default/serviceworker.txt
./.thunderbird/ab9nktgg.default-release/encrypted-openpgp-passphrase.txt
./.thunderbird/ab9nktgg.default-release/SiteSecurityServiceState.txt
./.thunderbird/ab9nktgg.default-release/pkcs11.txt
./.thunderbird/ab9nktgg.default-release/AlternateServices.txt
user@user-Virtual-Machine: $ find . -name "file1.txt"
./file1.txt
./luckyday/file1.txt
./newFolder/file1.txt
user@user-Virtual-Machine: $
```

Bottom Terminal Window:

```
user@user-Virtual-Machine: ~
Desktop Downloads folder luckyday newfolder Public Templates
Documents file2.txt get-docker.sh Music Pictures snap Videos
user@user-Virtual-Machine: $ echo "this is f1" >> file1.txt
user@user-Virtual-Machine: $ ls
Desktop Downloads file2.txt get-docker.sh Music Pictures snap Videos
Documents file1.txt folder luckyday newfolder Public Templates
user@user-Virtual-Machine: $ find . -name file1.txt
./file1.txt
./luckyday/file1.txt
./newFolder/file1.txt
user@user-Virtual-Machine: $ find . -name *.txt
find: paths must precede expression: 'file2.txt'
find: possible unquoted pattern after predicate '-name'?
user@user-Virtual-Machine: $ find . -name*.txt
find: unknown predicate '-name*.txt'
user@user-Virtual-Machine: $ find . -name "*.txt"
./file1.txt
./file2.txt
./luckyday/file1.txt
./luckyday/test1.txt
./luckyday/file3.txt
./luckyday/test2.txt
./luckyday/test4.txt
./luckyday/test.txt
./luckyday/text2.txt
./.cache/tracker3/files/locale-for-miner-apps.txt
./.cache/tracker3/files/last-crawl.txt
./.Cache/tracker3/files/first-index.txt
./newFolder/file1.txt
```

A tooltip "Activate Windows" with "Go to Settings to activate Windows." is visible in the bottom right corner of the bottom terminal window.

The image shows a dual-terminal setup on an Ubuntu desktop. Both terminals are running on a virtual machine with the identifier 0257530497995B1.

Top Terminal:

```
user@user-Virtual-Machine: ~
Downloads folder Music Public test1.txt test.txt
user@user-Virtual-Machine: $ cat newfolder
cat: newfolder: Is a directory
user@user-Virtual-Machine: $ cd newfolder/
user@user-Virtual-Machine:~/newFolder$ ls
file1.tct file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt
user@user-Virtual-Machine:~/newFolder$ cd ../
user@user-Virtual-Machine: $ cd folder
user@user-Virtual-Machine:~/Folder$ ls
file1.tct file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt
user@user-Virtual-Machine:~/Folder$ rm -I *.txt
rm: remove 7 arguments? y
user@user-Virtual-Machine:~/Folder$ cd ..
user@user-Virtual-Machine: $ rm -I *.txt
rm: remove 7 arguments? y
user@user-Virtual-Machine: ~
user@user-Virtual-Machine: $ ls
Desktop Downloads get-docker.sh Music Pictures snap Videos
Documents folder luckyday newfolder Public Templates
user@user-Virtual-Machine: $ ls
Desktop Downloads get-docker.sh Music Pictures snap Videos
Documents folder luckyday newfolder Public Templates
user@user-Virtual-Machine: $ rm -d folder
rm: cannot remove 'folder': Directory not empty
user@user-Virtual-Machine: $ rm -df folder
rm: cannot remove 'folder': Directory not empty
user@user-Virtual-Machine: $ cd folder
user@user-Virtual-Machine:~/Folder$ ls
file1.tct
user@user-Virtual-Machine:~/Folder$ cd ../
user@user-Virtual-Machine: ~
```

Bottom Terminal:

```
user@user-Virtual-Machine:~/luckyday$ pwd
/home/user/luckyday
user@user-Virtual-Machine:~/luckyday$ cd ../
user@user-Virtual-Machine: $ pwd
/home/user
user@user-Virtual-Machine: $ cd lucky
bash: cd: lucky: No such file or directory
user@user-Virtual-Machine: $ cd lucky newfolder
bash: cd: too many arguments
user@user-Virtual-Machine: $ cp lucky newfolder
cp: cannot stat 'lucky': No such file or directory
user@user-Virtual-Machine: $ cp -r lucky newfolder
cp: cannot stat 'lucky': No such file or directory
user@user-Virtual-Machine: $ cp -r luckyday newfolder
user@user-Virtual-Machine: $ mkdir folder
user@user-Virtual-Machine: $ cp luckyday/*.* folder/
user@user-Virtual-Machine: $ ls folder/
file1.tct file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt
user@user-Virtual-Machine: $ ls
Desktop file1.txt get-docker.sh newfolder snap test2.txt text2.txt
Documents file3.txt luckyday Pictures Templates test4.txt Videos
Downloads folder Music Public test1.txt test.txt
user@user-Virtual-Machine: $ cat newfolder
cat: newfolder: Is a directory
user@user-Virtual-Machine: $ cd newfolder/
user@user-Virtual-Machine:~/newFolder$ ls
file1.tct file1.txt file3.txt test1.txt test2.txt test4.txt test.txt text2.txt
user@user-Virtual-Machine:~/newFolder$ cd ../
user@user-Virtual-Machine: $ cd folder
user@user-Virtual-Machine:~/Folder$ ls
```

The image shows two identical terminal windows side-by-side, both running on an Ubuntu desktop environment. The desktop interface includes a dock with various icons (Firefox, Dash, Home, etc.) and a system tray at the top.

Terminal Window 1 (Left):

```
user@user-Virtual-Machine: ~/luckyday
good mormi
Parent file1.txt
Parent file1.txt
user@user-Virtual-Machine:~/luckyday$ cd ../
user@user-Virtual-Machine: $ ls
Desktop  file1.txt  luckyday  Public    test1.txt  test.txt
Documents file3.txt  Music     snap      test2.txt  text2.txt
Downloads get-docker.sh  Pictures  Templates test4.txt  Videos
user@user-Virtual-Machine: $ cat file1.txt
gill
good mormi
Parent file1.txt
Parent file1.txt
user@user-Virtual-Machine:~/luckyday$ cd luckyday/
user@user-Virtual-Machine:~/luckyday$ ls
file1.tct  file1.txt  file3.txt  test1.txt  test2.txt  test4.txt  test.txt  text2.txt
user@user-Virtual-Machine:~/luckyday$ cat file3.txt
gill
good mormi
user@user-Virtual-Machine:~/luckyday$ echo "Parent changed" >../file3.txt
user@user-Virtual-Machine:~/luckyday$ cp -uv ..../file3.txt
cp: missing destination file operand after '../file3.txt'.
Try 'cp --help' for more information.
user@user-Virtual-Machine:~/luckyday$ cp -uv ../file3.txt file3.txt
'../file3.txt' -> 'file3.txt'
user@user-Virtual-Machine:~/luckyday$ cat file3.txt
gill
good mormi
Parent changed
user@user-Virtual-Machine:~/luckyday$
```

Terminal Window 2 (Right):

```
user@user-Virtual-Machine: ~/luckyday
good mormi
Parent file1.txt
Parent file1.txt
user@user-Virtual-Machine:~/luckyday$ cd ../
user@user-Virtual-Machine: $ ls
Desktop  file1.txt  luckyday  Public    test1.txt  test.txt
Documents file3.txt  Music     snap      test2.txt  text2.txt
Downloads get-docker.sh  Pictures  Templates test4.txt  Videos
user@user-Virtual-Machine: $ cat file1.txt
gill
good mormi
Parent file1.txt
Parent file1.txt
user@user-Virtual-Machine:~/luckyday$ cd luckyday/
user@user-Virtual-Machine:~/luckyday$ ls
file1.tct  file1.txt  file3.txt  test1.txt  test2.txt  test4.txt  test.txt  text2.txt
user@user-Virtual-Machine:~/luckyday$ cat file3.txt
gill
good mormi
user@user-Virtual-Machine:~/luckyday$ echo "Parent changed" >../file3.txt
user@user-Virtual-Machine:~/luckyday$ cp -uv ..../file3.txt
cp: missing destination file operand after '../file3.txt'.
Try 'cp --help' for more information.
user@user-Virtual-Machine:~/luckyday$ cp -uv ../file3.txt file3.txt
'../file3.txt' -> 'file3.txt'
user@user-Virtual-Machine:~/luckyday$ cat file3.txt
gill
good mormi
Parent changed
user@user-Virtual-Machine:~/luckyday$
```

The image shows two terminal windows side-by-side on a dark-themed desktop environment.

Top Terminal:

```
user@user-Virtual-Machine:~/luckyday$ ls -ltr
total 28
-rw-rw-r-- 1 user user  3 Jan 24 11:47 test2.txt
-rw-rw-r-- 1 user user  4 Jan 24 11:47 test1.txt
-rw-rw-r-- 1 user user 16 Jan 24 11:47 file3.txt
-rw-rw-r-- 1 user user 16 Jan 24 11:47 file1.txt
-rw-rw-r-- 1 user user 18 Jan 24 11:47 test2.txt
-rw-rw-r-- 1 user user 563 Jan 24 11:47 test.txt
-rw-rw-r-- 1 user user  4 Jan 24 11:47 test4.txt
user@user-Virtual-Machine:~/luckyday$ ls
file1.txt file3.txt test1.txt test2.txt test.txt test2.txt
user@user-Virtual-Machine:~/luckyday$ echo "Child" >> file1.txt
user@user-Virtual-Machine:~/luckyday$ cp -u ..../file1.txt file1.txt
user@user-Virtual-Machine:~/luckyday$ cat file1.txt
gii
good mormi
user@user-Virtual-Machine:~/luckyday$ echo "Child" >> file1.txt
user@user-Virtual-Machine:~/luckyday$ cp -u ..../file1.txt file1.txt
user@user-Virtual-Machine:~/luckyday$ cat file1.txt
gii
good mormi
Child
user@user-Virtual-Machine:~/luckyday$ echo "Parent" >> ..../file1.txt file1.txt
user@user-Virtual-Machine:~/luckyday$ cp -u -v ..../file1.txt file1.txt
'..../file1.txt' -> 'file1.txt'
user@user-Virtual-Machine:~/luckyday$ cat file1.txt
gii
good mormi
Parent file1.txt
user@user-Virtual-Machine:~/luckyday$
```

Bottom Terminal:

```
NNEL\""
search_command="Spkg_manager list --showduplicates docker-ce | grep '$pkg_pattern' | tail -1 | awk '{print $2}'"
search_command="Spkg_manager list --showduplicates docker-ce-cli | grep '$pkg_pattern' | tail -1 | awk '{print $2}'"
pkgs="docker-ce$pkg_version"
pkgs="$pkgs docker-ce-$cli_pkg_version containerd.io"
pkgs="$pkgs docker-compose-plugin docker-ce-rootless-extras"
pkgs="$pkgs docker-buildx-plugin"
echo_docker_as_nonroot
$sh_c "rm -f /etc/zypp/repos.d/docker-ce-*.repo"
search_command="zypper search -s --match-exact 'docker-ce' | grep '$pkg_pattern' | tail -1 | awk '{print $6}'"
search_command="zypper search -s --match-exact 'docker-ce-cli' | grep '$pkg_pattern' | tail -1 | awk '{print $6}'"
pkgs="docker-ce$pkg_version"
pkgs="$pkgs docker-ce-$cli_pkg_version containerd.io"
pkgs="$pkgs docker-compose-plugin docker-ce-rootless-extras"
pkgs="$pkgs docker-buildx-plugin"
echo_docker_as_nonroot
echo "Please get Docker Desktop from https://www.docker.com/products/docker-desktop"
user@user-Virtual-Machine:~$ cat get-docker.sh | grep docker
```