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Modul 6

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Terminal - root@kayonpc7: /home/kayon-pc7

File Edit View Terminal Tabs Help

kayon-pc7@kayonpc7:~$ echo halo dunia
halo dunia
kayon-pc7@kayonpc7:~$ date
Tue Nov 5 10:57:40 WIB 2019
kayon-pc7@kayonpc7:~$ hostname
kayonpc7
kayon-pc7@kayonpc7:~$ arch
x86_64
kayon-pc7@kayonpc7:~$ uname -a
Linux kayonpc7 5.0.0-31-generic #33-18.04.1-Ubuntu SMP Tue Oct 1 10:20:39 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
kayon-pc7@kayonpc7:~$ dmesg | more
[    0.000000] microcode: microcode updated early to revision 0x27, date = 2019-02-26
[    0.000000] Linux version 5.0.0-31-generic (buildddlgw01-and64-046) (gcc vers
ion 7.4.0 (Ubuntu 7.4.0-1ubuntu1-18.04.1)) #33-18.04.1-Ubuntu SMP Tue Oct 1 10:2
0:39 UTC 2019 (Ubuntu 5.0.0-31-38.04.1-generic 5.0.21)
[    0.000000] Command line: BOOT_IMAGE=/boot/vmlinuz-5.0.0-31-generic root=UUID
=0d6e026-7979-40fd-b9a8-6fe1e61c0323 ro quiet splash vt.handoff=1
[    0.000000] KERNEL supported cpus:
[    0.000000] Intel GenuineIntel
[    0.000000] AMD AuthenticAMD
[    0.000000] Hygon HygonGenuine
[    0.000000] Centaur CentaurHauls
[    0.000000] x86/fpu: Supporting XSAVE feature 0x001: 'x87 floating point regi
sters'
[    0.000000] x86/fpu: Supporting XSAVE feature 0x002: 'SSE registers'
[    0.000000] x86/fpu: Supporting XSAVE feature 0x004: 'AVX registers'
[    0.000000] x86/fpu: xstate_offset[2]: 576, xstate_sizes[2]: 256
[    0.000000] x86/fpu: Enabled xstate features 0x7, context size is 832 bytes,
using 'standard' format.
[    0.000000] BIOS-provided physical RAM map:
[    0.000000] BIOS-e820: [mem 0x0000000000000000-0x000000000009dfff] usable
[    0.000000] BIOS-e820: [mem 0x000000000009d500-0x000000000009ffff] reserved
[    0.000000] BIOS-e820: [mem 0x000000000000e000-0x000000000000ffff] reserved
kayon-pc7@kayonpc7:~$ uptime
10:58:24 up 19 min, 1 user, load average: 0.03, 0.10, 0.10
kayon-pc7@kayonpc7:~$ sudo su
[sudo] password for kayon-pc7:
root@kayonpc7: /home/kayon-pc7# whoami
root
root@kayonpc7: /home/kayon-pc7# who
kayon-pc7 tty7 2019-11-05 10:39 (:0)
root@kayonpc7: /home/kayon-pc7# id
uid=0(root) gid=0(root) groups=0(root)
root@kayonpc7: /home/kayon-pc7# last
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Terminal - root@kayonpc7: /home/kayon-pc7

File Edit View Terminal Tabs Help

kayon-pc7 tty7 2019-11-05 10:39 (:0)
root@kayonpc7: /home/kayon-pc7# id
uid=0(root) gid=0(root) groups=0(root)
root@kayonpc7: /home/kayon-pc7# last

utmp begins Tue Nov 5 10:43:53 2019
root@kayonpc7: /home/kayon-pc7# finger
Login Name Tty Idle Login Time Office Office Phone
kayon-pc7 kayon-pc7 tty7 Nov 5 10:39 (:0)
root@kayonpc7: /home/kayon-pc7# w
11:00:25 up 21 min, 1 user, load average: 0.08, 0.09, 0.09
USER TTY FROM LOGGING IDLE JCPU PCPU WHAT
kayon-pc7 tty7 :0 10:39 ? 12.16s 0.01s /bin/sh /etc/xd
root@kayonpc7: /home/kayon-pc7# top

top - 11:00:35 up 21 min, 1 user, load average: 0.06, 0.09, 0.09
Tasks: 186 total, 1 running, 139 sleeping, 0 stopped, 0 zombie
Cpu(s): 4.0 us, 0.5 sy, 0.0 ni, 94.6 id, 0.0 wa, 0.0 hi, 0.1 si, 0.0 st
Mem Mem : 8103648 total, 6532000 free, 526956 used, 1043892 buff/cache
Mem Swap: 902668 total, 902668 free, 0 used, 7297588 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM     TIME+ COMMAND
  937 root        20   0 361820 63584 42600 S   2.7   0.8   0:12.33 Xorg
 3053 kayon-p+  20   0 582504 38632 29312 S   2.7   0.5   0:00.75 xfce4-term+
    10 root        0    0      0      0      0 I   0.3   0.0   0:03.20 rcu_sched
  951 root       -51   0      0      0      0 S   0.3   0.0   0:01.43 irq/28-nv1+
 1842 kayon-p+  20   0 191500 22164 17876 S   0.3   0.3   0:01.76 xfwm4
 1865 kayon-p+  20   0 220784 6806 6184 S   0.3   0.1   0:00.19 at-spi2-re+
 3093 root       20   0 51648 4272 3624 R   0.3   0.1   0:00.04 top
    1 root       20   0 225308 8868 6544 S   0.0   0.1   0:01.19 systemd
    2 root       20   0      0      0      0 S   0.0   0.0   0:00.00 kthreadd
    3 root       0 -20   0      0      0 I   0.0   0.0   0:00.00 rcu_gp
    4 root       0 -20   0      0      0 I   0.0   0.0   0:00.00 rcu_par_gp
    5 root       20   0      0      0      0 I   0.0   0.0   0:00.07 kworker/0:1+
    6 root       0 -20   0      0      0 I   0.0   0.0   0:00.00 kworker/0:1+
    8 root       0 -20   0      0      0 I   0.0   0.0   0:00.00 mm_percpu_w+
    9 root       20   0      0      0      0 S   0.0   0.0   0:00.00 ksoftirqd/0
   11 root      rt   0      0      0      0 S   0.0   0.0   0:00.00 migration/0
   12 root      -51   0      0      0      0 S   0.0   0.0   0:00.00 idle_injec+
root@kayonpc7: /home/kayon-pc7# echo $$SHELL
/bin/bash
root@kayonpc7: /home/kayon-pc7# echo {con,pre} {sent,far} {s,ed}
con pre sent far s ed
root@kayonpc7: /home/kayon-pc7# man ls
root@kayonpc7: /home/kayon-pc7#
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Terminal - root@kayonpc7: /home/kayon-pc7
File Edit View Terminal Tabs Help
LS(1) User Commands LS(1)
NAME
ls - list directory contents
SYNOPSIS
ls [OPTION]... [FILE]...
DESCRIPTION
List information about the FILES (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.
Mandatory arguments to long options are mandatory for short options too.
-a, --all
do not ignore entries starting with .
-A, --almost-all
do not list implied . and ..
--author
with -l, print the author of each file
-b, --escape
print C-style escapes for nongraphic characters
--block-size=SIZE
scale sizes by SIZE before printing them; e.g., '--block-size=M' prints sizes in units of 1,048,576 bytes; see SIZE format below
-B, --ignore-backups
do not list implied entries ending with ~
-c, with -lt sort by, and show, ctime (time of last modification of file status information); with -l: show ctime and sort by name; otherwise: sort by ctime, newest first
-C, list entries by columns
--color[=WHEN]
colorize the output; WHEN can be 'always' (default if omitted), 'auto', or 'never'; more info below
-d, --directory
list directories themselves, not their contents
-D, --dired
generate output designed for Emacs' dired mode
Manual page ls(1) line 1 (press h for help or q to quit)
```

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Terminal - root@kayonpc7: /home/kayon-pc7
File Edit View Terminal Tabs Help
WHO(1) User Commands WHO(1)
NAME
who - show who is logged on
SYNOPSIS
who [OPTION]... [ FILE | ARG1 ARG2 ]
DESCRIPTION
Print information about users who are currently logged in.
-a, --all
same as -b -d --login -p -r -t -T -u
-b, --boot
line of last system boot
-d, --dead
print dead processes
-H, --heading
print line of column headings
--ips, print ips instead of hostnames. with --lookup, canonicalizes based on stored IP, if available, rather than stored hostname
-l, --login
print system login processes
--lookup
attempt to canonicalize hostnames via DNS
-m, only hostname and user associated with stdin
-p, --process
print active processes spawned by init
-q, --count
all login names and number of users logged on
-r, --runlevel
print current runlevel
-s, --short
print only name, line, and time (default)
Manual page who(1) line 1 (press h for help or q to quit)
```

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Terminal - root@kayonpc7: /home/kayon-pc7

File Edit View Terminal Tabs Help

root@kayonpc7:/home/kayon-pc7# echo $SHELL
/bin/bash
root@kayonpc7:/home/kayon-pc7# echo (con,pre) (sent,far) (s,ed)
con pre sent far s ed
root@kayonpc7:/home/kayon-pc7# man ls
root@kayonpc7:/home/kayon-pc7# man ls
root@kayonpc7:/home/kayon-pc7# man who
root@kayonpc7:/home/kayon-pc7# who can tell me about linux
who: extra operand 'me'
Try 'who --help' for more information.
root@kayonpc7:/home/kayon-pc7# --help
--help: command not found
root@kayonpc7:/home/kayon-pc7# who --help
Usage: who [OPTION]... [-f FILE] [ARG1 ARG2]
Print information about users who are currently logged in.

-a, --all             same as -b -d --login -p -r -t -T -u
-b, --boot            time of last system boot
-d, --dead            print dead processes
-H, --heading         print line of column headings
--ips                print ips instead of hostnames, with --lookup,
                    canonicalizes based on stored IP, if available,
                    rather than stored hostname
-l, --login           print system login processes
--lookup            attempt to canonicalize hostnames via DNS
-m                 only hostname and user associated with stdin
-p, --process         print active processes spawned by init
-q, --count          all login names and number of users logged on
-r, --runlevel       print current runlevel
-s, --short           print only name, line, and time (default)
-t, --time           print last system clock change
-T, --msg, --msg     add user's message status as -, + or ?
-u, --users          list users logged in
--message           same as -T
--writable           same as -T
--help             display this help and exit
--version          output version information and exit

If FILE is not specified, use /var/run/utmp, /var/log/utmp as FILE is common.
If ARG1 ARG2 given, -m presumed: 'am i' or 'mom likes' are usual.

GNU coreutils online help: <http://www.gnu.org/software/coreutils/>
Full documentation at: <http://www.gnu.org/software/coreutils/who>
or available locally via: info '(coreutils) who invocation'
root@kayonpc7:/home/kayon-pc7#
```

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Terminal - root@kayonpc7: /home/kayon-pc7

File Edit View Terminal Tabs Help

Full documentation at: <http://www.gnu.org/software/coreutils/who>
or available locally via: info '(coreutils) who invocation'
root@kayonpc7:/home/kayon-pc7# last
utmp begins Tue Nov  5 10:43:53 2019
root@kayonpc7:/home/kayon-pc7# fdisk -l
Disk /dev/sda: 465.8 GiB, 500107862016 bytes, 976773168 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 4096 bytes
I/O size (minimum/optimal): 4096 bytes / 4096 bytes
Disklabel type: dos
Disk identifier: 0x80e875a7

Device Boot      Start         End      Sectors  Size Id Type
/dev/sda1 *        2048       206847       204800    100M 7 HPFS/NTFS/exFAT
/dev/sda2          206848 417794047 417587200    199.1G 7 HPFS/NTFS/exFAT
/dev/sda3      417794048 456855351    39061504    18.6G 83 Linux

root@kayonpc7:/home/kayon-pc7# users
kayon-pc7
root@kayonpc7:/home/kayon-pc7# cat /etc/fstab
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUIDs as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# <file system> <mount point> <type> <options>        <dump> <pass>
# / was on /dev/sda3 during installation
UUID=0d6ec026-7979-40fd-b9a9-6fe1e1c0323 /      ext4    errors=remount-ro 0    1
# swapfile
swapfile          none      swap    sw              0    0
root@kayonpc7:/home/kayon-pc7# cal 2000
          2000
January      February      Maret
Mi Se Sa Ra Ka Ju Sa  Mi Se Sa Ra Ka Ju Sa  Mi Se Sa Ra Ka Ju Sa
          1          1 2 3 4 5          1 2 3 4
2 3 4 5 6 7 8  6 7 8 9 10 11 12  5 6 7 8 9 10 11
9 10 11 12 13 14 15 13 14 15 16 17 18 19 12 13 14 15 16 17 18
16 17 18 19 20 21 22 20 21 22 23 24 25 26 19 20 21 22 23 24 25
13 14 15 16 17 18 19 27 28 29          26 27 28 29 30 31
10 31

April      Mei      Juni
Mi Se Sa Ra Ka Ju Sa  Mi Se Sa Ra Ka Ju Sa  Mi Se Sa Ra Ka Ju Sa
          1          1 2 3 4 5 6          1 2 3
```



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Terminal - root@kayonpc7: /home/kayon-pc7

File Edit View Terminal Tabs Help

950 cal 8 2010
951 history
952 cal 2017
953 date
954 bc -l
955 echo 10+10
956 echo 2000+10 | bc -l
957 fdisk
958 ls
959 echo ums
960 w
961 ls -l
962 w
963 ipconfig
964 ifconfig
965 hostname
966 cal 8 2010
967 whoami
968 who
969 id
970 last
971 finger
972 w
973 top
974 echo $$SHELL
975 echo {con,pre} {sent,far} {s,ed}
976 man ls
977 man who
978 who can tell me about linux
979 --help
980 who --help
981 last
982 fdisk -l
983 users
984 cat /etc/fstab
985 cal 2000
986 cal 9 1752
987 cal 10 2007
988 bc -l
989 echo 5+4 | bc -l
990 echo 5+4 | bc.l
991 yes please
992 pwd
993 history
root@kayonpc7: /home/kayon-pc7#
```

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Terminal - root@kayonpc7: /home/kayon-pc7

File Edit View Terminal Tabs Help

asus_wmi 28672 1 eeepc_wmi
sparse_keymap 16384 1 asus_wmi
mei_me 40960 0
mei 106496 1 mei_me
mac_hid 16384 0
lpc_ich 24576 0
wmi_bnof 16384 0
nvidia_uvm 819200 0
sch_fq_codel 20480 2
parport_pc 36864 1
ppdev 24576 0
lp 20480 0
parport 53248 3 parport_pc,lp,ppdev
lp_tables 32768 0
lp_tables 40960 1 lp_tables
nvidiafb 45056 2
btrfs 1175552 0
xor 24576 1 btrfs
std_compress 16384 1 btrfs
raid6_pq 114688 1 btrfs
libcrc32c 16384 1 btrfs
dm_mirror 24576 0
dm_region_hash 20480 1 dm_mirror
dm_log 20480 2 dm_region_hash,dm_mirror
hid_generic 16384 0
usbhid 53248 0
hid 126976 2 usbhid,hid_generic
nvidia_drm 49152 3
nvidia_modeset 1110016 3 nvidia_drm
nvidia 18792448 85 nvidia_uvm,nvidia_modeset
drm_kms_helper 180224 1 nvidia_drm
syscopyarea 16384 1 drm_kms_helper
sysfillrect 16384 1 drm_kms_helper
sysimgblt 16384 1 drm_kms_helper
fb_sys_fops 16384 1 drm_kms_helper
drm 483328 6 drm_kms_helper,nvidia_drm
ahci 40960 1
libahci 32768 1 ahci
wmi 28672 2 asus_wmi,wmi_bnof
i915 96016 0
ipmi_devintf 20480 0
realtek 20480 0
ipmi_esghandler 102400 2 ipmi_devintf,nvidia
video 49152 1 asus_wmi
root@kayonpc7: /home/kayon-pc7#
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Terminal - root@kayonpc7: /home/kayon-pc7

File Edit View Terminal Tabs Help

kayon-pc7 1917 0.0 0.1 415244 15728 ? Ssl 10:39 0:00 /usr/lib/x86_64-linux-gnu/xfce4/notifyd/xfce4-notifyd
kayon-pc7 1927 0.0 0.4 492860 36656 ? Sl 10:39 0:01 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libwhiskermenu.so 1 12582937 whi
kayon-pc7 1932 0.0 0.1 177136 14284 ? S 10:39 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-1.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libsystray.so 4 12582938 systray
kayon-pc7 1935 0.0 0.4 404012 32676 ? Sl 10:39 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libnotification-plugin.so 5 1258
kayon-pc7 1936 0.0 0.3 469160 29516 ? Sl 10:39 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libindicator-plugin.so 6 1258294
kayon-pc7 1937 0.0 0.4 555672 33388 ? Sl 10:39 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libstatusnotifier.so 7 12582941
kayon-pc7 1938 0.0 0.4 406248 32644 ? Sl 10:39 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libxfce4powermanager.so 8 125829
kayon-pc7 1939 0.0 0.4 700280 34904 ? Sl 10:39 0:02 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libpulseaudio-plugin.so 9 125829
kayon-pc7 1970 0.0 0.1 574768 11344 ? Ssl 10:39 0:00 /usr/bin/pulseaudio --start --log-target=syslog
rtkit 1971 0.0 0.0 183500 3028 ? SnsL 10:39 0:00 /usr/lib/rtkit/rtkit-daemon
kayon-pc7 2004 0.0 0.1 306904 8348 ? Ssl 10:39 0:00 /usr/lib/gvfs/gvfs-udisks2-volume-monitor
kayon-pc7 2005 0.0 0.0 447316 7720 ? Ssl 10:39 0:00 /usr/lib/x86_64-linux-gnu/indicator-messages/indicator-messages-service
kayon-pc7 2009 0.0 0.0 276340 6160 ? Ssl 10:39 0:00 /usr/lib/gvfs/gvfs-ntp-volume-monitor
kayon-pc7 2013 0.0 0.0 379280 7692 ? Ssl 10:39 0:00 /usr/lib/gvfs/gvfs-afc-volume-monitor
kayon-pc7 2018 0.0 0.0 289264 6676 ? Ssl 10:39 0:00 /usr/lib/gvfs/gvfs-gphoto2-volume-monitor
kayon-pc7 2027 0.0 0.0 274512 5856 ? Ssl 10:39 0:00 /usr/lib/gvfs/gvfs-goa-volume-monitor
kayon-pc7 2034 0.0 0.0 368576 7024 ? Sl 10:39 0:00 /usr/lib/gvfs/gvfsd-trash --spawner :1.18 /org/gtk/gvfs/exec_spaw/0
root 2083 0.0 0.1 374156 13644 ? Ssl 10:39 0:00 /usr/lib/packagekit/packagekitd
kayon-pc7 2106 0.0 0.0 82724 6804 ? Ss 10:39 0:00 /usr/lib/bluetooth/obexd
kayon-pc7 2742 0.1 1.9 813124 160776 ? Sml 10:42 0:04 /usr/bin/python3 /usr/bin/update-manager --no-update --no-focus-on-map
kayon-pc7 2774 0.0 0.0 204944 5872 ? Ssl 10:42 0:00 /usr/lib/gvfs/gvfsd-metadata
root 2835 0.0 0.0 108148 8044 ? Ss 10:43 0:00 /usr/sbin/cupsd -l
root 2836 0.0 0.1 303520 10900 ? Sl 10:43 0:00 /usr/sbin/cups-browsed
kayon-pc7 2984 0.0 0.1 444620 8104 ? Sl 10:44 0:00 /usr/lib/gvfs/gvfsd-network --spawner :1.18 /org/gtk/gvfs/exec_spaw/1
kayon-pc7 2916 0.0 0.2 772848 18140 ? Sl 10:44 0:00 /usr/lib/gvfs/gvfsd-smb-browse --spawner :1.18 /org/gtk/gvfs/exec_spaw/4
kayon-pc7 2926 0.0 0.0 455492 7696 ? Sl 10:44 0:00 /usr/lib/gvfs/gvfsd-dnssd --spawner :1.18 /org/gtk/gvfs/exec_spaw/5
root 2941 0.0 0.0 0 0 ? I 10:44 0:00 [worker/1:0-eve]
root 2996 0.0 0.0 0 0 ? I 10:54 0:00 [worker/3:0-cgr]
root 2998 0.0 0.0 0 0 ? I 10:54 0:01 [worker/u5:1-ev]
kayon-pc7 3016 0.0 0.0 144816 6300 ? Sl 10:56 0:00 /usr/lib/libreoffice/program/oosplash --writer
kayon-pc7 3033 2.2 3.1 1422188 251784 ? Sl 10:56 0:34 /usr/lib/libreoffice/program/soffice.bin --writer --splash-pipe=5
kayon-pc7 3053 0.6 0.5 591724 44428 ? Sl 10:57 0:10 /usr/bin/xfce4-terminal
kayon-pc7 3057 0.0 0.0 30032 4904 pts/0 Ss 10:57 0:00 bash
root 3075 0.0 0.0 73424 4624 pts/0 S 10:59 0:00 sudo su
root 3076 0.0 0.0 72712 4004 pts/0 S 10:59 0:00 su
root 3077 0.0 0.0 30084 4936 pts/0 S 10:59 0:00 bash
root 3111 0.0 0.0 0 0 ? I 11:01 0:00 [worker/u5:0-ev]
root 3114 0.0 0.0 0 0 ? I 11:02 0:00 [worker/0:1-cgr]
root 3345 0.0 0.0 0 0 ? I 11:16 0:00 [worker/u5:2-ev]
root 3349 0.0 0.0 0 0 ? I 11:16 0:00 [worker/2:0-cgr]
root 3407 0.0 0.0 0 0 ? I 11:17 0:00 [worker/1:2-eve]
root 3864 0.0 0.0 0 0 ? I 11:18 0:00 [worker/1:3]
root 3880 0.4 0.0 0 0 ? I 11:19 0:00 [worker/u5:3-ev]
root 3928 0.0 0.0 47236 3756 pts/0 R+ 11:22 0:00 ps -aux
root@kayonpc7: /home/kayon-pc7#
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Terminal - root@kayonpc7: /home/kayon-pc7

File Edit View Terminal Tabs Help

root 2836 0.0 0.1 303520 10900 ? Sl 10:43 0:00 /usr/sbin/cups-browsed
kayon-pc7 2984 0.0 0.1 444620 8104 ? Sl 10:44 0:00 /usr/lib/gvfs/gvfsd-network --spawner :1.18 /org/gtk/gvfs/exec_spaw/1
kayon-pc7 2916 0.0 0.2 772848 18140 ? Sl 10:44 0:00 /usr/lib/gvfs/gvfsd-smb-browse --spawner :1.18 /org/gtk/gvfs/exec_spaw/4
kayon-pc7 2926 0.0 0.0 455492 7696 ? Sl 10:44 0:00 /usr/lib/gvfs/gvfsd-dnssd --spawner :1.18 /org/gtk/gvfs/exec_spaw/5
root 2941 0.0 0.0 0 0 ? I 10:44 0:00 [worker/1:0-eve]
root 2996 0.0 0.0 0 0 ? I 10:54 0:00 [worker/3:0-cgr]
root 2998 0.0 0.0 0 0 ? I 10:54 0:01 [worker/u5:1-ev]
kayon-pc7 3016 0.0 0.0 144816 6300 ? Sl 10:56 0:00 /usr/lib/libreoffice/program/oosplash --writer
kayon-pc7 3033 2.2 3.1 1422188 251784 ? Sl 10:56 0:34 /usr/lib/libreoffice/program/soffice.bin --writer --splash-pipe=5
kayon-pc7 3053 0.6 0.5 591724 44428 ? Sl 10:57 0:10 /usr/bin/xfce4-terminal
kayon-pc7 3057 0.0 0.0 30032 4904 pts/0 Ss 10:57 0:00 bash
root 3075 0.0 0.0 73424 4624 pts/0 S 10:59 0:00 sudo su
root 3076 0.0 0.0 72712 4004 pts/0 S 10:59 0:00 su
root 3077 0.0 0.0 30084 4936 pts/0 S 10:59 0:00 bash
root 3111 0.0 0.0 0 0 ? I 11:01 0:00 [worker/u5:0-ev]
root 3114 0.0 0.0 0 0 ? I 11:02 0:00 [worker/0:1-cgr]
root 3345 0.0 0.0 0 0 ? I 11:16 0:00 [worker/u5:2-ev]
root 3349 0.0 0.0 0 0 ? I 11:16 0:00 [worker/2:0-cgr]
root 3407 0.0 0.0 0 0 ? I 11:17 0:00 [worker/1:2-eve]
root 3864 0.0 0.0 0 0 ? I 11:18 0:00 [worker/1:3]
root 3880 0.4 0.0 0 0 ? I 11:19 0:00 [worker/u5:3-ev]
root 3928 0.0 0.0 47236 3756 pts/0 R+ 11:22 0:00 ps -aux
root@kayonpc7: /home/kayon-pc7# lspci
00:00.0 Host bridge: Intel Corporation 4th Gen Core Processor DRAM Controller (rev 06)
00:01.0 PCI bridge: Intel Corporation Xeon E3-1200 v5/4th Gen Core Processor PCI Express x16 Controller (rev 06)
00:14.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB xHCI (rev 05)
00:16.0 Communication controller: Intel Corporation 8 Series/C220 Series Chipset Family MEI Controller #1 (rev 04)
00:1a.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB EHCI #2 (rev 05)
00:1b.0 Audio device: Intel Corporation 8 Series/C220 Series Chipset High Definition Audio Controller (rev 05)
00:1c.0 PCI bridge: Intel Corporation 8 Series/C220 Series Chipset Family PCI Express Root Port #1 (rev d5)
00:1c.2 PCI bridge: Intel Corporation 8 Series/C220 Series Chipset Family PCI Express Root Port #3 (rev d5)
00:1c.5 PCI bridge: Intel Corporation 82801 PCI Bridge (rev d5)
00:1d.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB EHCI #1 (rev 05)
00:1f.0 ISA bridge: Intel Corporation H81 Express LPC Controller (rev 05)
00:1f.2 SATA controller: Intel Corporation 8 Series/C220 Series Chipset Family 6-port SATA Controller 1 [AHCI mode] (rev 05)
00:1f.3 SMBus: Intel Corporation 8 Series/C220 Series Chipset Family SMBus Controller (rev 05)
01:00.0 VGA compatible controller: NVIDIA Corporation GM107 [GeForce GTX 750 Ti] (rev a2)
01:00.1 Audio device: NVIDIA Corporation Device 0fbc (rev a1)
03:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 11)
04:00.0 PCI bridge: ASMedia Technology Inc. ASM1083/1085 PCIe to PCI Bridge (rev 04)
root@kayonpc7: /home/kayon-pc7# free
              total        used        shared      buff/cache       available
Mem:           8103648      613072      6402884      14000      1097692      7206016
Swap:           902668            0           902668
root@kayonpc7: /home/kayon-pc7#
```

```
Terminal - root@kayonpc7: /home/kayon-pc7
File Edit View Terminal Tabs Help
invpcid xsaveopt dthera ida arat pln pts md_clear flush_lld
bugs : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass l1tf mds swapgs
bogomips : 6585.33
clflush_size : 64
cache_alignment : 64
address sizes : 39 bits physical, 48 bits virtual
power management:

processor : 3
vendor_id : GenuineIntel
cpu family : 6
model : 60
model name : Intel(R) Core(TM) i5-4590 CPU @ 3.30GHz
stepping : 3
microcode : 0x27
cpu MHz : 1018.456
cache size : 6144 KB
physical id : 0
siblings : 4
core id : 3
cpu cores : 4
apicid : 6
initial apicid : 6
cpu : yes
cpu exception : yes
cpuid level : 13
cpuid : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx pdpe1gb rdtscp lm constant_tsc arch_perfmon
bugs : rep_good nopl xtopology nonstop_tsc cpuid aperfperf pni pclmulqdq dtes64 monitor ds_cpl vnx sss est tm2 ssse3 sdbg fma cx16 xtpr pdcm pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadli
invpcid xsaveopt dthera ida arat pln pts md_clear flush_lld
bugs : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass l1tf mds swapgs
bogomips : 6585.33
clflush_size : 64
cache_alignment : 64
address sizes : 39 bits physical, 48 bits virtual
power management:

root@kayonpc7: /home/kayon-pc7# finger root
login: root Name: root
directory: /root Shell: /bin/bash
never logged in.
no mail.
no Plan.
root@kayonpc7: /home/kayon-pc7#
```

TUGAS SISTEM OPERASI

1. Jelaskan distro linux yang ada saat ini (minimal 5). a. Ubuntu

Ubuntu merupakan distro linux yang sudah sangat populer di kalangan pengguna linux. Ubuntu dibangun berdasarkan arsitektur Debian, dan Ubuntu telah berhasil menyeimbangkan stabilitas dan fitur-fitur baru seperti tidak ada distro lain didalamnya. Itu sebabnya ubuntu menjadi distro linux yang popularitas tak tertandingi.

b. Linux Mint

Linux Mint adalah salah satu distro Linux yang paling cepat berkembang. Dan linux mint ini terus menantang Ubuntu untuk menjadi yang terpopuler. Selain itu, Linux Mint telah memantapkan dirinya sebagai OS pengganti sempurna untuk sistem operasi Windows dengan pengalaman desktop yang hampir sempurna.

Alasan lain adalah kemampuannya untuk memberikan pengalaman yang tidak biasa kepada pengguna.

c. CentOS

CentOS terkenal sangat stabil dengan kinerja yang bagus. Faktor-faktor lain yang penting adalah dukungan perangkat keras, keamanan, efisiensi daya, dan kinerja yang dioptimalkan. Ada banyak opsi gratis dan berbayar untuk skenario seperti itu. RHEL menikmati posisi yang sama di arena perusahaan yang dinikmati oleh Ubuntu di dunia desktop Linux. CentOS adalah cara untuk mendapatkan manfaat

RHEL tanpa mengeluarkan biaya tunggal. Dengan kata lain, CentOS adalah komunitas yang didukung RHEL. Karena binernya kompatibel dengan RHEL dan repositorinya memiliki semua perangkat lunak yang sudah dicoba dan teruji.

d. Steam OS

Para gamer tidak banyak yang menggunakan OS Linux. Karena memang ketersediaan game tidak banyak untuk platform Linux. Namun, dalam beberapa tahun terakhir ini semakin banyak judul game yang dirilis untuk Linux. Dari banyak distro linux, Steam OS adalah pilihan utama untuk sebagian besar gamer. Steam OS dilengkapi dengan tweak kernel Linux tambahan untuk memastikan bahwa seseorang mendapatkan kinerja gaming yang lebih baik dibandingkan dengan

distro lainnya. Ini juga menyediakan dukungan luas untuk GPU, gamepads, dan perangkat keras lainnya. Steam OS dibuat oleh Valve, perusahaan di belakang platform distribusi game online Steam.