```
pinto@raspberrypi:~ $ hostname
raspberrypi

pinto@raspberrypi:~ $ env
SHELL=/bin/bash
COLORTERM=truecolor
XDG_CONFIG_DIRS=/etc/xdg
XDG_SESSION_PATH=/org/freedesktop/DisplayManager/Session0
XDG_MENU_PREFIX=lxde-pi-
LANGUAGE=en_US.UTF-8
_LXSESSION_PID=595
SSH_AUTH_SOCK=/tmp/ssh-J05OL4vNRtYU/agent.595
XDG_CONFIG_HOME=/home/pinto/.config
DESKTOP_SESSION=LXDE-pi
SSH_AGENT_PID=665
NO_AT_BRIDGE=1
XDG_SEAT=seat0
PWD=/home/pinto
LOGNAME=pinto
XDG_SESSION_DESKTOP=lightdm-xsession
QT_QPA_PLATFORMTHEME=qt5ct
XDG_SESSION_TYPE=x11
GPG_AGENT_INFO=/run/user/1000/gnupg/S.gpg-agent:0:1
XAUTHORITY=/home/pinto/.Xauthority
XDG_GREETER_DATA_DIR=/var/lib/lightdm/data/pinto
HOME=/home/pinto
LANG=en_US.UTF-8
LS_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;
01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;
42:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=
01;31:*.lha=01;31:*.lz4=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01
;31:*.tzo=01;31:*.t7z=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.l
rz=01;31:*.lz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;31:*.tzst=01;31:*.bz2=0
1;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31
:*.jar=01;31:*.war=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:*.alz=01;31:*.
ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=01;31:*.rz=01;31:*.cab=01;31:*.wim=
01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;35:*.mjpg=0
1;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01
;35:*.tga=01;35:*.xbm=01;35:*.xpm=01;35:*.tif=01;35:*.tiff=01;35:*.png=01;3
5:*.svg=01;35:*.svgz=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;35:*.mpg=01;35:
*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webm=01;35:*.webp=01;35:*.ogm=01;35:
*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;35:*.nuv=01;35:*.w
```

```
mv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=01;35:*.avi=01;35:*.fli=
01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.yuv=01;35
:*.cgm=01;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;36:*.au=00;36:*.f
lac=00;36:*.m4a=00;36:*.mid=00;36:*.midi=00;36:*.mka=00;36:*.mp3=00;36:*.mp
c=00;36:*.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36:*.spx=0
0;36:*.xspf=00;36:
XDG_CURRENT_DESKTOP=LXDE
VTE_VERSION=6203
XDG_SEAT_PATH=/org/freedesktop/DisplayManager/Seat0
XDG_SESSION_CLASS=user
TERM=xterm-256color
USER=pinto
DISPLAY=:0
SHLVL=1
XDG_VTNR=7
XDG_SESSION_ID=1
XDG_RUNTIME_DIR=/run/user/1000
LC_ALL=en_US.UTF-8
XDG_DATA_DIRS=/usr/share/fkms:/usr/local/share:/usr/share/raspi-ui-override
s:/usr/share:/usr/share/gdm:/var/lib/menu-xdg
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/loca
l/games:/usr/games
GDMSESSION=lightdm-xsession
SAL_USE_VCLPLUGIN=gtk3
DBUS_SESSION_BUS_ADDRESS=unix:path=/run/user/1000/bus
TEXTDOMAIN=Linux-PAM
_=/usr/bin/env

pinto@raspberrypi:~ $ ps
  PID TTY          TIME CMD
 1562 pts/0    00:00:00 bash
 2060 pts/0    00:00:00 ps

pinto@raspberrypi:~ $ pwd
/home/pinto

pinto@raspberrypi:~ $ git clone https://github.com/kevinwlu/iot.git
Cloning into 'iot'...
remote: Enumerating objects: 23282, done.
remote: Counting objects: 100% (4331/4331), done.
remote: Compressing objects: 100% (1335/1335), done.
remote: Total 23282 (delta 2460), reused 4166 (delta 2362), pack-reused
18951
```

```
Receiving objects: 100% (23282/23282), 28.89 MiB | 2.74 MiB/s, done.
Resolving deltas: 100% (15159/15159), done.

pinto@raspberrypi:~ $ cd iot
pinto@raspberrypi:~/iot $

pinto@raspberrypi:~/iot $ ls
apps        hype       lesson3  lesson7  projects          systems
cases       lesson1    lesson4  lesson8  README.md         tools
economics   lesson10   lesson5  lesson9  special_problems
health      lesson2    lesson6  make     standards

pinto@raspberrypi:~/iot $ cd
pinto@raspberrypi:~ $

pinto@raspberrypi:~ $ df
Filesystem      1K-blocks     Used Available Use% Mounted on
/dev/root        30431020 3760852  25372092  13% /
devtmpfs           340460       0    340460   0% /dev
tmpfs              472044   22508    449536   5% /dev/shm
tmpfs              188820    1132    187688   1% /run
tmpfs                5120       4      5116   1% /run/lock
/dev/mmcblk0p1     261106   51636    209470  20% /boot
tmpfs               94408      20     94388   1% /run/user/1000

pinto@raspberrypi:~ $ mkdir demo
pinto@raspberrypi:~ $

pinto@raspberrypi:~ $ cd demo
pinto@raspberrypi:~/demo $

pinto@raspberrypi:~/demo $ nano file


Use "fg" to return to nano.

[1]+  Stopped                 nano file

pinto@raspberrypi:~/demo $ cat file
Testing Nano Editor

~/demo cp file file1
~/demo mv file1 file2
```

```
~/demo rm file2
~/demo clear
~/demo $\

UNAME(1)                                User Commands
UNAME(1)


NAME
       uname - print system information

SYNOPSIS
       uname [OPTION]...

DESCRIPTION
       Print certain system information.  With no OPTION, same as -s.

       -a, --all
              print  all  information,  in the following order, except omit
-p
              and -i if unknown:

       -s, --kernel-name
              print the kernel name

       -n, --nodename
              print the network node hostname

       -r, --kernel-release
              print the kernel release

       -v, --kernel-version
              print the kernel version

       -m, --machine
              print the machine hardware name

       -p, --processor
              print the processor type (non-portable)

       -i, --hardware-platform
              print the hardware platform (non-portable)

       -o, --operating-system
```

```
             print the operating system

       --help display this help and exit

       --version
              output version information and exit

AUTHOR
       Written by David MacKenzie.

REPORTING BUGS
       GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
       Report any translation bugs to
<https://translationproject.org/team/>

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       GPL version 3 or later <https://gnu.org/licenses/gpl.html>.
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it.
       There is NO WARRANTY, to the extent permitted by law.

SEE ALSO
       arch(1), uname(2)

       Full documentation <https://www.gnu.org/software/coreutils/uname>
       or available locally via: info '(coreutils) uname invocation'

GNU coreutils 8.32              September 2020
UNAME(1)

pinto@raspberrypi:~/demo $ uname -a
Linux raspberrypi 6.1.21-v7+ #1642 SMP Mon Apr  3 17:20:52 BST 2023 armv7l
GNU/Linux

pinto@raspberrypi:~/demo $ ifconfig
eth0: flags=4099<UP,BROADCAST,MULTICAST>  mtu 1500
        ether b8:27:eb:fb:f4:26  txqueuelen 1000  (Ethernet)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

```
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 23  bytes 2597 (2.5 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 23  bytes 2597 (2.5 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

wlan0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.1.182  netmask 255.255.255.0  broadcast 192.168.1.255
        inet6 fe80::a70:63e3:9694:6da7  prefixlen 64  scopeid 0x20<link>
        ether b8:27:eb:ae:a1:73  txqueuelen 1000  (Ethernet)
        RX packets 66668  bytes 84219013 (80.3 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 20404  bytes 3200269 (3.0 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

pinto@raspberrypi:~/demo $ ping localhost
PING localhost(localhost (::1)) 56 data bytes
64 bytes from localhost (::1): icmp_seq=1 ttl=64 time=0.179 ms
64 bytes from localhost (::1): icmp_seq=2 ttl=64 time=0.143 ms
64 bytes from localhost (::1): icmp_seq=3 ttl=64 time=0.158 ms
64 bytes from localhost (::1): icmp_seq=4 ttl=64 time=0.147 ms
64 bytes from localhost (::1): icmp_seq=5 ttl=64 time=0.165 ms
64 bytes from localhost (::1): icmp_seq=6 ttl=64 time=0.157 ms
64 bytes from localhost (::1): icmp_seq=7 ttl=64 time=0.143 ms
64 bytes from localhost (::1): icmp_seq=8 ttl=64 time=0.119 ms
64 bytes from localhost (::1): icmp_seq=9 ttl=64 time=0.154 ms
64 bytes from localhost (::1): icmp_seq=10 ttl=64 time=0.144 ms
64 bytes from localhost (::1): icmp_seq=11 ttl=64 time=0.153 ms
64 bytes from localhost (::1): icmp_seq=12 ttl=64 time=0.132 ms
64 bytes from localhost (::1): icmp_seq=13 ttl=64 time=0.155 ms
64 bytes from localhost (::1): icmp_seq=14 ttl=64 time=0.161 ms
64 bytes from localhost (::1): icmp_seq=15 ttl=64 time=0.145 ms
64 bytes from localhost (::1): icmp_seq=16 ttl=64 time=0.166 ms
64 bytes from localhost (::1): icmp_seq=17 ttl=64 time=0.142 ms
64 bytes from localhost (::1): icmp_seq=18 ttl=64 time=0.164 ms
64 bytes from localhost (::1): icmp_seq=19 ttl=64 time=0.110 ms
64 bytes from localhost (::1): icmp_seq=20 ttl=64 time=0.159 ms
64 bytes from localhost (::1): icmp_seq=21 ttl=64 time=0.164 ms
64 bytes from localhost (::1): icmp_seq=22 ttl=64 time=0.145 ms
```

```
64 bytes from localhost (::1): icmp_seq=23 ttl=64 time=0.159 ms
64 bytes from localhost (::1): icmp_seq=24 ttl=64 time=0.163 ms
64 bytes from localhost (::1): icmp_seq=25 ttl=64 time=0.172 ms
64 bytes from localhost (::1): icmp_seq=26 ttl=64 time=0.163 ms
64 bytes from localhost (::1): icmp_seq=27 ttl=64 time=0.138 ms
64 bytes from localhost (::1): icmp_seq=28 ttl=64 time=0.165 ms
64 bytes from localhost (::1): icmp_seq=29 ttl=64 time=0.152 ms
64 bytes from localhost (::1): icmp_seq=30 ttl=64 time=0.159 ms
64 bytes from localhost (::1): icmp_seq=31 ttl=64 time=0.154 ms
64 bytes from localhost (::1): icmp_seq=32 ttl=64 time=0.137 ms
64 bytes from localhost (::1): icmp_seq=33 ttl=64 time=0.163 ms
64 bytes from localhost (::1): icmp_seq=34 ttl=64 time=0.155 ms
64 bytes from localhost (::1): icmp_seq=35 ttl=64 time=0.157 ms
64 bytes from localhost (::1): icmp_seq=36 ttl=64 time=0.160 ms
64 bytes from localhost (::1): icmp_seq=37 ttl=64 time=0.147 ms
64 bytes from localhost (::1): icmp_seq=38 ttl=64 time=0.151 ms
64 bytes from localhost (::1): icmp_seq=39 ttl=64 time=0.149 ms
64 bytes from localhost (::1): icmp_seq=40 ttl=64 time=0.159 ms
64 bytes from localhost (::1): icmp_seq=41 ttl=64 time=0.158 ms
64 bytes from localhost (::1): icmp_seq=42 ttl=64 time=0.141 ms
64 bytes from localhost (::1): icmp_seq=43 ttl=64 time=0.159 ms
64 bytes from localhost (::1): icmp_seq=44 ttl=64 time=0.158 ms
64 bytes from localhost (::1): icmp_seq=45 ttl=64 time=0.160 ms
64 bytes from localhost (::1): icmp_seq=46 ttl=64 time=0.143 ms
64 bytes from localhost (::1): icmp_seq=47 ttl=64 time=0.147 ms
64 bytes from localhost (::1): icmp_seq=48 ttl=64 time=0.165 ms
64 bytes from localhost (::1): icmp_seq=49 ttl=64 time=0.150 ms
64 bytes from localhost (::1): icmp_seq=50 ttl=64 time=0.167 ms
64 bytes from localhost (::1): icmp_seq=51 ttl=64 time=0.168 ms
64 bytes from localhost (::1): icmp_seq=52 ttl=64 time=0.150 ms
64 bytes from localhost (::1): icmp_seq=53 ttl=64 time=0.155 ms
64 bytes from localhost (::1): icmp_seq=54 ttl=64 time=0.111 ms
64 bytes from localhost (::1): icmp_seq=55 ttl=64 time=0.154 ms
64 bytes from localhost (::1): icmp_seq=56 ttl=64 time=0.151 ms
64 bytes from localhost (::1): icmp_seq=57 ttl=64 time=0.142 ms
64 bytes from localhost (::1): icmp_seq=58 ttl=64 time=0.157 ms
64 bytes from localhost (::1): icmp_seq=59 ttl=64 time=0.154 ms
64 bytes from localhost (::1): icmp_seq=60 ttl=64 time=0.155 ms
64 bytes from localhost (::1): icmp_seq=61 ttl=64 time=0.157 ms
64 bytes from localhost (::1): icmp_seq=62 ttl=64 time=0.144 ms
64 bytes from localhost (::1): icmp_seq=63 ttl=64 time=0.162 ms
64 bytes from localhost (::1): icmp_seq=64 ttl=64 time=0.162 ms
64 bytes from localhost (::1): icmp_seq=65 ttl=64 time=0.160 ms
```

```
64 bytes from localhost (::1): icmp_seq=66 ttl=64 time=0.157 ms
64 bytes from localhost (::1): icmp_seq=67 ttl=64 time=0.146 ms
64 bytes from localhost (::1): icmp_seq=68 ttl=64 time=0.162 ms
64 bytes from localhost (::1): icmp_seq=69 ttl=64 time=0.159 ms
64 bytes from localhost (::1): icmp_seq=70 ttl=64 time=0.168 ms
64 bytes from localhost (::1): icmp_seq=71 ttl=64 time=0.160 ms
64 bytes from localhost (::1): icmp_seq=72 ttl=64 time=0.153 ms
64 bytes from localhost (::1): icmp_seq=73 ttl=64 time=0.107 ms
64 bytes from localhost (::1): icmp_seq=74 ttl=64 time=0.153 ms
64 bytes from localhost (::1): icmp_seq=75 ttl=64 time=0.154 ms
64 bytes from localhost (::1): icmp_seq=76 ttl=64 time=0.149 ms
64 bytes from localhost (::1): icmp_seq=77 ttl=64 time=0.135 ms
64 bytes from localhost (::1): icmp_seq=78 ttl=64 time=0.180 ms
64 bytes from localhost (::1): icmp_seq=79 ttl=64 time=0.299 ms
64 bytes from localhost (::1): icmp_seq=80 ttl=64 time=0.134 ms
64 bytes from localhost (::1): icmp_seq=81 ttl=64 time=0.140 ms
64 bytes from localhost (::1): icmp_seq=82 ttl=64 time=0.135 ms
64 bytes from localhost (::1): icmp_seq=83 ttl=64 time=0.151 ms
64 bytes from localhost (::1): icmp_seq=84 ttl=64 time=0.137 ms
64 bytes from localhost (::1): icmp_seq=85 ttl=64 time=0.163 ms
64 bytes from localhost (::1): icmp_seq=86 ttl=64 time=0.156 ms
64 bytes from localhost (::1): icmp_seq=87 ttl=64 time=0.108 ms
64 bytes from localhost (::1): icmp_seq=88 ttl=64 time=0.162 ms
64 bytes from localhost (::1): icmp_seq=89 ttl=64 time=0.161 ms
64 bytes from localhost (::1): icmp_seq=90 ttl=64 time=0.163 ms
64 bytes from localhost (::1): icmp_seq=91 ttl=64 time=0.141 ms
64 bytes from localhost (::1): icmp_seq=92 ttl=64 time=0.156 ms
64 bytes from localhost (::1): icmp_seq=93 ttl=64 time=0.164 ms
64 bytes from localhost (::1): icmp_seq=94 ttl=64 time=0.157 ms
64 bytes from localhost (::1): icmp_seq=95 ttl=64 time=0.158 ms
64 bytes from localhost (::1): icmp_seq=96 ttl=64 time=0.188 ms
64 bytes from localhost (::1): icmp_seq=97 ttl=64 time=0.153 ms
64 bytes from localhost (::1): icmp_seq=98 ttl=64 time=0.155 ms
64 bytes from localhost (::1): icmp_seq=99 ttl=64 time=0.158 ms
64 bytes from localhost (::1): icmp_seq=100 ttl=64 time=0.104 ms
64 bytes from localhost (::1): icmp_seq=101 ttl=64 time=0.112 ms
64 bytes from localhost (::1): icmp_seq=102 ttl=64 time=0.152 ms
64 bytes from localhost (::1): icmp_seq=103 ttl=64 time=0.160 ms
^C
--- localhost ping statistics ---
103 packets transmitted, 103 received, 0% packet loss, time 106088ms
rtt min/avg/max/mdev = 0.104/0.153/0.299/0.020 ms
```

```
pinto@raspberrypi:~/demo $ netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address          Foreign Address        State
udp        0      0 raspberrypi:51336      lga34s32-in-f14.1:https
ESTABLISHED
udp        0      0 raspberrypi:35014      lga34s31-in-f3.1e:https
ESTABLISHED
Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags        Type      State         I-Node   Path
unix  3      [ ]          STREAM    CONNECTED     12028
@/tmp/.X11-unix/X0
unix  3      [ ]          STREAM    CONNECTED     16541
unix  3      [ ]          STREAM    CONNECTED     11066
unix  3      [ ]          STREAM    CONNECTED     10924
unix  3      [ ]          STREAM    CONNECTED     16514
/run/systemd/journal/stdout
unix  3      [ ]          STREAM    CONNECTED     16436
unix  3      [ ]          STREAM    CONNECTED     12221
/run/dhcpcd.unpriv.sock
unix  3      [ ]          DGRAM     CONNECTED     15389
unix  3      [ ]          STREAM    CONNECTED     14185
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM    CONNECTED     15901
/run/systemd/journal/stdout
unix  3      [ ]          STREAM    CONNECTED     11937
@/tmp/.X11-unix/X0
unix  3      [ ]          STREAM    CONNECTED     12097
unix  3      [ ]          STREAM    CONNECTED     16515
unix  3      [ ]          STREAM    CONNECTED     11108
unix  3      [ ]          STREAM    CONNECTED     12069
@/tmp/.X11-unix/X0
unix  3      [ ]          STREAM    CONNECTED     17830
unix  3      [ ]          STREAM    CONNECTED     15880
/run/user/1000/bus
unix  3      [ ]          STREAM    CONNECTED     11782
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM    CONNECTED     17851
unix  3      [ ]          STREAM    CONNECTED     16481
unix  3      [ ]          STREAM    CONNECTED     17842
unix  3      [ ]          STREAM    CONNECTED     14452
unix  2      [ ]          DGRAM                   10071
/run/user/1000/systemd/notify
unix  3      [ ]          STREAM    CONNECTED     10103
```

```
/run/systemd/journal/stdout
unix  3       [ ]        STREAM      CONNECTED      12222
/run/dhcpcd.unpriv.sock
unix  3       [ ]        STREAM      CONNECTED      15889
/run/user/1000/bus
unix  3       [ ]        STREAM      CONNECTED      12067
@/tmp/.X11-unix/X0
unix  3       [ ]        STREAM      CONNECTED      11825
unix  3       [ ]        STREAM      CONNECTED      16620
unix  3       [ ]        STREAM      CONNECTED      16437
unix  3       [ ]        STREAM      CONNECTED      15435
/run/user/1000/pipewire-0
unix  3       [ ]        STREAM      CONNECTED      11824
unix  3       [ ]        STREAM      CONNECTED      16542
@/dbus-vfs-daemon/socket-ePQeHPNb
unix  3       [ ]        STREAM      CONNECTED      11939
/run/user/1000/bus
unix  3       [ ]        STREAM      CONNECTED      12087
unix  3       [ ]        STREAM      CONNECTED      10937
unix  3       [ ]        STREAM      CONNECTED      17853
unix  3       [ ]        STREAM      CONNECTED      16482
unix  3       [ ]        STREAM      CONNECTED      10938
/run/systemd/journal/stdout
unix  3       [ ]        STREAM      CONNECTED      24033
unix  3       [ ]        STREAM      CONNECTED      17992
unix  3       [ ]        STREAM      CONNECTED      21906
unix  3       [ ]        STREAM      CONNECTED      16451
unix  3       [ ]        STREAM      CONNECTED      11977
unix  3       [ ]        STREAM      CONNECTED      15669
/run/user/1000/bus
unix  3       [ ]        STREAM      CONNECTED      17950
/run/user/1000/bus
unix  2       [ ]        DGRAM       CONNECTED      11940
unix  4       [ ]        DGRAM       CONNECTED      880
/run/systemd/notify
unix  3       [ ]        STREAM      CONNECTED      16453
unix  2       [ ]        DGRAM                      11936
unix  2       [ ]        DGRAM       CONNECTED      11084
unix  2       [ ]        DGRAM                      11061
unix  3       [ ]        STREAM      CONNECTED      16499
unix  3       [ ]        STREAM      CONNECTED      12074
unix  3       [ ]        DGRAM       CONNECTED      15388
unix  3       [ ]        STREAM      CONNECTED      14681
```

```
/run/dbus/system_bus_socket
unix  3       [ ]         STREAM    CONNECTED     17949
unix  2       [ ]         DGRAM                   894
/run/systemd/journal/syslog
unix  3       [ ]         STREAM    CONNECTED     15890
/run/systemd/journal/stdout
unix  3       [ ]         STREAM    CONNECTED     11978
@/tmp/.X11-unix/X0
unix  3       [ ]         STREAM    CONNECTED     16469
unix  2       [ ]         DGRAM     CONNECTED     11246
unix  3       [ ]         STREAM    CONNECTED     16491
unix  18      [ ]         DGRAM     CONNECTED     901
/run/systemd/journal/dev-log
unix  3       [ ]         STREAM    CONNECTED     17852
/run/user/1000/bus
unix  7       [ ]         DGRAM     CONNECTED     903
/run/systemd/journal/socket
unix  3       [ ]         STREAM    CONNECTED     16621
unix  3       [ ]         STREAM    CONNECTED     12066
@/tmp/.X11-unix/X0
unix  3       [ ]         STREAM    CONNECTED     17985
unix  3       [ ]         STREAM    CONNECTED     24034
unix  2       [ ]         DGRAM                   11240
unix  3       [ ]         STREAM    CONNECTED     10928
/run/systemd/journal/stdout
unix  3       [ ]         STREAM    CONNECTED     15894
/run/systemd/journal/stdout
unix  3       [ ]         STREAM    CONNECTED     16445
unix  3       [ ]         STREAM    CONNECTED     19701
/run/systemd/journal/stdout
unix  3       [ ]         STREAM    CONNECTED     14768
/run/user/1000/bus
unix  3       [ ]         STREAM    CONNECTED     11963
/run/user/1000/bus
unix  3       [ ]         STREAM    CONNECTED     11239
unix  3       [ ]         STREAM    CONNECTED     24028
unix  3       [ ]         STREAM    CONNECTED     17841
unix  3       [ ]         STREAM    CONNECTED     16498
unix  3       [ ]         STREAM    CONNECTED     16448
unix  3       [ ]         STREAM    CONNECTED     21905
unix  3       [ ]         STREAM    CONNECTED     24027
unix  3       [ ]         STREAM    CONNECTED     12013
@/tmp/.X11-unix/X0
```

```
unix  3      [ ]          STREAM    CONNECTED    17984
unix  3      [ ]          STREAM    CONNECTED    9943
/run/systemd/journal/stdout
unix  3      [ ]          STREAM    CONNECTED    17829
unix  3      [ ]          STREAM    CONNECTED    16495
/run/user/1000/bus
unix  3      [ ]          STREAM    CONNECTED    16550
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM    CONNECTED    14759
unix  2      [ ]          DGRAM                  10130
unix  3      [ ]          STREAM    CONNECTED    18619
unix  3      [ ]          STREAM    CONNECTED    16201
unix  3      [ ]          STREAM    CONNECTED    14771
unix  3      [ ]          STREAM    CONNECTED    16485
unix  3      [ ]          STREAM    CONNECTED    12211
unix  3      [ ]          STREAM    CONNECTED    12183
unix  3      [ ]          STREAM    CONNECTED    16883
/run/dbus/system_bus_socket
unix  3      [ ]          SEQPACKET CONNECTED    19525
unix  3      [ ]          STREAM    CONNECTED    12184
/run/user/1000/menu-cached-:0
unix  3      [ ]          STREAM    CONNECTED    10815
/run/systemd/journal/stdout
unix  3      [ ]          STREAM    CONNECTED    16363
unix  3      [ ]          STREAM    CONNECTED    14760
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM    CONNECTED    11849
/run/user/1000/bus
unix  3      [ ]          STREAM    CONNECTED    10821
/run/systemd/journal/stdout
unix  3      [ ]          STREAM    CONNECTED    12113
unix  3      [ ]          STREAM    CONNECTED    11509
unix  3      [ ]          STREAM    CONNECTED    12260
unix  3      [ ]          STREAM    CONNECTED    14865
/run/user/1000/pulse/native
unix  3      [ ]          STREAM    CONNECTED    21550
unix  3      [ ]          STREAM    CONNECTED    17854
/run/user/1000/bus
unix  3      [ ]          STREAM    CONNECTED    12070
@/tmp/.X11-unix/X0
unix  3      [ ]          STREAM    CONNECTED    17147
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM    CONNECTED    18162
```

```
/run/user/1000/bus
unix  3      [ ]          STREAM     CONNECTED      17940
@/tmp/.X11-unix/X0
unix  3      [ ]          STREAM     CONNECTED      12212
/run/systemd/journal/stdout
unix  3      [ ]          STREAM     CONNECTED      15952
unix  3      [ ]          STREAM     CONNECTED      17831
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED      14767
unix  3      [ ]          STREAM     CONNECTED      14864
/run/user/1000/pulse/native
unix  3      [ ]          STREAM     CONNECTED      12266
unix  3      [ ]          STREAM     CONNECTED      11851
/run/user/1000/bus
unix  3      [ ]          STREAM     CONNECTED      12072
@/tmp/.X11-unix/X0
unix  3      [ ]          STREAM     CONNECTED      19528
unix  3      [ ]          STREAM     CONNECTED      14772
/run/user/1000/bus
unix  3      [ ]          STREAM     CONNECTED      12267
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED      10076
unix  3      [ ]          STREAM     CONNECTED      14709
unix  3      [ ]          STREAM     CONNECTED      12114
unix  3      [ ]          STREAM     CONNECTED      16518
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED      10112
unix  3      [ ]          STREAM     CONNECTED      15910
/run/user/1000/bus
unix  3      [ ]          STREAM     CONNECTED      10129
unix  3      [ ]          STREAM     CONNECTED      15888
/run/systemd/journal/stdout
unix  3      [ ]          STREAM     CONNECTED      10136
unix  2      [ ]          STREAM     CONNECTED      16227
unix  3      [ ]          DGRAM      CONNECTED      881
unix  3      [ ]          STREAM     CONNECTED      15950
unix  3      [ ]          STREAM     CONNECTED      14436
/run/user/1000/bus
unix  3      [ ]          SEQPACKET  CONNECTED      19526
unix  3      [ ]          STREAM     CONNECTED      17938
unix  3      [ ]          STREAM     CONNECTED      16618
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED      12120
```

```
unix  3      [ ]           STREAM    CONNECTED    12131
unix  3      [ ]           STREAM    CONNECTED    12119
unix  3      [ ]           STREAM    CONNECTED    14400
/run/dbus/system_bus_socket
unix  3      [ ]           STREAM    CONNECTED    17855
unix  3      [ ]           STREAM    CONNECTED    17856
unix  3      [ ]           STREAM    CONNECTED    16365
unix  3      [ ]           STREAM    CONNECTED    16539
/run/user/1000/bus
unix  3      [ ]           STREAM    CONNECTED    21549
unix  3      [ ]           STREAM    CONNECTED    16357
unix  3      [ ]           STREAM    CONNECTED    12128
unix  3      [ ]           STREAM    CONNECTED    11510
unix  3      [ ]           STREAM    CONNECTED    14757
unix  3      [ ]           STREAM    CONNECTED    17857
unix  3      [ ]           STREAM    CONNECTED    18508
@/tmp/.X11-unix/X0
unix  3      [ ]           STREAM    CONNECTED    12265
/run/systemd/journal/stdout
unix  3      [ ]           STREAM    CONNECTED    16364
@/tmp/.X11-unix/X0
unix  3      [ ]           STREAM    CONNECTED    16008
unix  3      [ ]           STREAM    CONNECTED    19144
unix  3      [ ]           STREAM    CONNECTED    19704
unix  3      [ ]           STREAM    CONNECTED    17594
/run/dbus/system_bus_socket
unix  2      [ ]           DGRAM     CONNECTED    14537
unix  3      [ ]           STREAM    CONNECTED    14325
unix  3      [ ]           DGRAM     CONNECTED    882
unix  3      [ ]           STREAM    CONNECTED    17072
unix  3      [ ]           STREAM    CONNECTED    19700
unix  3      [ ]           SEQPACKET CONNECTED    17045
unix  3      [ ]           STREAM    CONNECTED    21903
unix  3      [ ]           STREAM    CONNECTED    19145
unix  3      [ ]           STREAM    CONNECTED    17585
/run/systemd/journal/stdout
unix  2      [ ]           DGRAM     CONNECTED    14535
unix  3      [ ]           STREAM    CONNECTED    17071
unix  3      [ ]           STREAM    CONNECTED    20612
unix  3      [ ]           STREAM    CONNECTED    19699
unix  3      [ ]           STREAM    CONNECTED    19141
/run/user/1000/pulse/native
unix  3      [ ]           STREAM    CONNECTED    17951
```

```
/run/user/1000/bus
unix  3      [ ]          STREAM     CONNECTED     11806
/run/systemd/journal/stdout
unix  3      [ ]          STREAM     CONNECTED     17087
unix  3      [ ]          STREAM     CONNECTED     9949
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED     21904
unix  3      [ ]          STREAM     CONNECTED     22535
unix  2      [ ]          STREAM     CONNECTED     17592
unix  3      [ ]          STREAM     CONNECTED     21547
unix  3      [ ]          STREAM     CONNECTED     19698
unix  3      [ ]          STREAM     CONNECTED     10225
/run/systemd/journal/stdout
unix  2      [ ]          DGRAM      CONNECTED     10051
unix  3      [ ]          SEQPACKET  CONNECTED     17041
unix  3      [ ]          STREAM     CONNECTED     15904
unix  3      [ ]          STREAM     CONNECTED     15898
unix  2      [ ]          DGRAM      CONNECTED     10163
unix  2      [ ]          DGRAM      CONNECTED     10060
unix  3      [ ]          STREAM     CONNECTED     17086
unix  3      [ ]          SEQPACKET  CONNECTED     17793
unix  3      [ ]          SEQPACKET  CONNECTED     17792
unix  3      [ ]          STREAM     CONNECTED     14181
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED     19140
unix  3      [ ]          STREAM     CONNECTED     20611
unix  3      [ ]          STREAM     CONNECTED     10104
/run/systemd/journal/stdout
unix  3      [ ]          DGRAM      CONNECTED     10073
unix  3      [ ]          STREAM     CONNECTED     17085
unix  3      [ ]          STREAM     CONNECTED     15899
/run/user/1000/bus
unix  3      [ ]          STREAM     CONNECTED     17597
unix  3      [ ]          STREAM     CONNECTED     11742
unix  3      [ ]          STREAM     CONNECTED     17081
unix  3      [ ]          STREAM     CONNECTED     16221
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED     10822
unix  3      [ ]          STREAM     CONNECTED     17080
unix  3      [ ]          STREAM     CONNECTED     14326
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED     17991
/run/dbus/system_bus_socket
```

```
unix  3      [ ]          STREAM     CONNECTED     17584
unix  3      [ ]          STREAM     CONNECTED     17146
unix  3      [ ]          STREAM     CONNECTED     19108
unix  3      [ ]          STREAM     CONNECTED     17084
unix  2      [ ]          DGRAM      CONNECTED     16624
/tmp/dhcpcd-pinto/libdhcpcd-wpa-775.0
unix  3      [ ]          STREAM     CONNECTED     13721
unix  2      [ ]          DGRAM      CONNECTED     16625
/tmp/dhcpcd-pinto/libdhcpcd-wpa-775.1
unix  3      [ ]          STREAM     CONNECTED     14518
unix  3      [ ]          STREAM     CONNECTED     21548
unix  3      [ ]          STREAM     CONNECTED     10935
/run/systemd/journal/stdout
unix  3      [ ]          STREAM     CONNECTED     14182
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED     18524
unix  3      [ ]          DGRAM      CONNECTED     10072
unix  3      [ ]          SEQPACKET  CONNECTED     17042
unix  3      [ ]          STREAM     CONNECTED     16484
unix  3      [ ]          STREAM     CONNECTED     19148
unix  3      [ ]          STREAM     CONNECTED     19107
unix  3      [ ]          STREAM     CONNECTED     14433
unix  3      [ ]          STREAM     CONNECTED     11779
@/tmp/.X11-unix/X0
unix  3      [ ]          SEQPACKET  CONNECTED     17798
unix  3      [ ]          STREAM     CONNECTED     17145
unix  3      [ ]          STREAM     CONNECTED     10022
unix  3      [ ]          STREAM     CONNECTED     19146
unix  3      [ ]          STREAM     CONNECTED     14434
unix  2      [ ]          DGRAM                    17555
unix  3      [ ]          STREAM     CONNECTED     10042
unix  3      [ ]          STREAM     CONNECTED     20879
unix  3      [ ]          STREAM     CONNECTED     19147
unix  3      [ ]          STREAM     CONNECTED     19149
unix  3      [ ]          SEQPACKET  CONNECTED     17796
unix  3      [ ]          SEQPACKET  CONNECTED     17046
unix  3      [ ]          STREAM     CONNECTED     13716
unix  2      [ ]          DGRAM      CONNECTED     13715
unix  3      [ ]          STREAM     CONNECTED     22534
unix  3      [ ]          STREAM     CONNECTED     15609
/run/dbus/system_bus_socket
unix  3      [ ]          STREAM     CONNECTED     10932
/run/systemd/journal/stdout
```

```
unix  3      [ ]         STREAM     CONNECTED     13717
unix  3      [ ]         STREAM     CONNECTED     9866
unix  3      [ ]         STREAM     CONNECTED     17593
unix  3      [ ]         STREAM     CONNECTED     20878
unix  3      [ ]         STREAM     CONNECTED     17591
/run/systemd/journal/stdout
unix  3      [ ]         STREAM     CONNECTED     9865
unix  3      [ ]         STREAM     CONNECTED     14538
unix  3      [ ]         STREAM     CONNECTED     16891
unix  3      [ ]         STREAM     CONNECTED     22155
unix  3      [ ]         STREAM     CONNECTED     16896
/run/dbus/system_bus_socket
unix  3      [ ]         STREAM     CONNECTED     11850
/run/user/1000/bus
unix  3      [ ]         STREAM     CONNECTED     14178
unix  3      [ ]         STREAM     CONNECTED     13656
unix  3      [ ]         STREAM     CONNECTED     18515
unix  3      [ ]         STREAM     CONNECTED     17844
/run/dbus/system_bus_socket
unix  3      [ ]         STREAM     CONNECTED     15865
/run/user/1000/bus
unix  3      [ ]         STREAM     CONNECTED     11128
unix  3      [ ]         STREAM     CONNECTED     11696
/run/systemd/journal/stdout
unix  3      [ ]         STREAM     CONNECTED     19766
unix  3      [ ]         STREAM     CONNECTED     18512
unix  3      [ ]         STREAM     CONNECTED     14180
/run/dbus/system_bus_socket
unix  3      [ ]         STREAM     CONNECTED     18494
unix  3      [ ]         STREAM     CONNECTED     11691
unix  2      [ ]         DGRAM      CONNECTED     11607
unix  3      [ ]         STREAM     CONNECTED     9756
/run/systemd/journal/stdout
unix  2      [ ]         DGRAM      CONNECTED     964
unix  3      [ ]         STREAM     CONNECTED     15864
unix  3      [ ]         STREAM     CONNECTED     10812
/run/systemd/journal/stdout
unix  3      [ ]         STREAM     CONNECTED     10109
/run/systemd/journal/stdout
unix  2      [ ]         DGRAM      CONNECTED     9789
unix  3      [ ]         STREAM     CONNECTED     11835
unix  3      [ ]         STREAM     CONNECTED     13602
unix  3      [ ]         STREAM     CONNECTED     17939
```

```
unix  3       [ ]          STREAM      CONNECTED      17836
/run/user/1000/bus
unix  3       [ ]          STREAM      CONNECTED      15632
unix  2       [ ]          DGRAM       CONNECTED      15680
unix  3       [ ]          STREAM      CONNECTED      17180
@/tmp/.X11-unix/X0
unix  3       [ ]          STREAM      CONNECTED      14413
unix  3       [ ]          STREAM      CONNECTED      14183
/run/dbus/system_bus_socket
unix  3       [ ]          STREAM      CONNECTED      22152
unix  3       [ ]          STREAM      CONNECTED      18514
unix  3       [ ]          STREAM      CONNECTED      11948
/run/systemd/journal/stdout
unix  2       [ ]          DGRAM                      11116
unix  3       [ ]          STREAM      CONNECTED      13971
unix  3       [ ]          STREAM      CONNECTED      22156
unix  3       [ ]          STREAM      CONNECTED      18513
unix  3       [ ]          STREAM      CONNECTED      15634
unix  2       [ ]          DGRAM       CONNECTED      13620
unix  3       [ ]          STREAM      CONNECTED      18497
@/tmp/.X11-unix/X0
unix  4       [ ]          DGRAM       CONNECTED      11745
/var/run/wpa_supplicant/wlan0
unix  3       [ ]          STREAM      CONNECTED      15173
unix  3       [ ]          STREAM      CONNECTED      15597
unix  3       [ ]          STREAM      CONNECTED      14453
unix  2       [ ]          DGRAM                      11749
/var/run/wpa_supplicant/p2p-dev-wlan0
unix  2       [ ]          DGRAM       CONNECTED      11542
unix  3       [ ]          STREAM      CONNECTED      22154
unix  3       [ ]          STREAM      CONNECTED      15400
/run/systemd/journal/stdout
unix  3       [ ]          DGRAM       CONNECTED      13624
unix  3       [ ]          STREAM      CONNECTED      15905
/run/user/1000/bus
unix  3       [ ]          STREAM      CONNECTED      11129
/run/dbus/system_bus_socket
unix  3       [ ]          STREAM      CONNECTED      9784
unix  3       [ ]          STREAM      CONNECTED      18510
unix  3       [ ]          STREAM      CONNECTED      15598
/run/dbus/system_bus_socket
unix  3       [ ]          STREAM      CONNECTED      15436
/run/user/1000/pipewire-0
```

```
unix  3      [ ]            STREAM    CONNECTED    19725
unix  3      [ ]            STREAM    CONNECTED    18503
unix  3      [ ]            STREAM    CONNECTED    18496
unix  2      [ ]            DGRAM     CONNECTED    14258
unix  3      [ ]            STREAM    CONNECTED    18511
unix  3      [ ]            STREAM    CONNECTED    14179
unix  3      [ ]            DGRAM     CONNECTED    13627
unix  3      [ ]            STREAM    CONNECTED    11295
/run/systemd/journal/stdout
unix  3      [ ]            STREAM    CONNECTED    19529
unix  3      [ ]            STREAM    CONNECTED    14186
/run/dbus/system_bus_socket
unix  3      [ ]            STREAM    CONNECTED    18495
@/tmp/.X11-unix/X0
unix  3      [ ]            STREAM    CONNECTED    15432
unix  3      [ ]            STREAM    CONNECTED    14184
/run/dbus/system_bus_socket
unix  3      [ ]            STREAM    CONNECTED    1011
unix  3      [ ]            DGRAM     CONNECTED    12289
unix  3      [ ]            STREAM    CONNECTED    14166
unix  2      [ ]            DGRAM     CONNECTED    14938
unix  3      [ ]            DGRAM     CONNECTED    13626
unix  3      [ ]            STREAM    CONNECTED    22153
unix  3      [ ]            STREAM    CONNECTED    14173
unix  3      [ ]            DGRAM     CONNECTED    13625
unix  3      [ ]            DGRAM     CONNECTED    1024
unix  3      [ ]            STREAM    CONNECTED    18500
unix  2      [ ]            DGRAM     CONNECTED    1021
unix  2      [ ]            DGRAM     CONNECTED    10488
unix  2      [ ]            DGRAM     CONNECTED    14154
unix  3      [ ]            STREAM    CONNECTED    19726
unix  3      [ ]            STREAM    CONNECTED    22157
unix  3      [ ]            STREAM    CONNECTED    11949
/run/user/1000/bus
unix  3      [ ]            STREAM    CONNECTED    17843
unix  2      [ ]            DGRAM     CONNECTED    14220
unix  2      [ ]            DGRAM     CONNECTED    14143
unix  3      [ ]            STREAM    CONNECTED    18502
unix  3      [ ]            SEQPACKET CONNECTED    17795        @2dad0
unix  3      [ ]            SEQPACKET CONNECTED    17797        @e43ef
```