

Linux Commands 4

```
root@DESKTOP-M3TSUJI:/# cd home
root@DESKTOP-M3TSUJI:/home# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.25.62 netmask 255.255.240.0 broadcast 192.168.31.255
    inet6 fe80::215:5dff:fe6a:d2be prefixlen 64 scopeid 0x20<link>
    ether 08:15:5d:6a:d2:be txqueuelen 1000 (Ethernet)
    RX packets 188 bytes 21302 (21.3 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 11 bytes 866 (866.0 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 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

root@DESKTOP-M3TSUJI:/home# ifconfig -a
bond0: flags=5122<BROADCAST,MASTER,MULTICAST> mtu 1500
    ether 12:dc:05:fb:ea:6f 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

dummy0: flags=130<BROADCAST,NOARP> mtu 1500
    ether 9e:d5:4e:3a:e6:0d 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

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.25.62 netmask 255.255.240.0 broadcast 192.168.31.255
    inet6 fe80::215:5dff:fe6a:d2be prefixlen 64 scopeid 0x20<link>
    ether 08:15:5d:6a:d2:be txqueuelen 1000 (Ethernet)
    RX packets 188 bytes 21302 (21.3 KB)
```

```
    RX packets 188 bytes 21302 (21.3 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 11 bytes 866 (866.0 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 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

sit0: flags=128<NOARP> mtu 1480
    sit txqueuelen 1000 (IPv6-in-IPv4)
    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

tunl0: flags=128<NOARP> mtu 1480
    tunnel txqueuelen 1000 (IPIP Tunnel)
    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

root@DESKTOP-M3TSUJI:/home# netstat -a
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
Active UNIX domain sockets (servers and established)
Proto RefCnt Flags   Type       State           I-Node    Path
unix  2      [ ACC ]     SEQPACKET  LISTENING       17316     /run/WSL/1_interop
unix  2      [ ACC ]     SEQPACKET  LISTENING       17323     /run/WSL/8_interop
root@DESKTOP-M3TSUJI:/home# netstat -at
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
root@DESKTOP-M3TSUJI:/home# netstat -s
Ip:
```

```

Ip:
  Forwarding: 2
  112 total packets received
  0 forwarded
  0 incoming packets discarded
  21 incoming packets delivered
  0 requests sent out
Icmp:
  0 ICMP messages received
  0 input ICMP message failed
  ICMP input histogram:
  0 ICMP messages sent
  0 ICMP messages failed
  ICMP output histogram:
Tcp:
  0 active connection openings
  0 passive connection openings
  0 failed connection attempts
  0 connection resets received
  0 connections established
  0 segments received
  0 segments sent out
  0 segments retransmitted
  0 bad segments received
  0 resets sent
Udp:
  0 packets received
  0 packets to unknown port received
  0 packet receive errors
  0 packets sent
  0 receive buffer errors
  0 send buffer errors
  IgnoredMulti: 21
UdpLite:
TcpExt:
  0 packet headers predicted
IpExt:
  InBcastPkts: 21
  InOctets: 11955
  InBcastOctets: 1854

```

```

  InOctets: 11955
  InBcastOctets: 1854
  InNoECTPkts: 112
Sctp:
  0 Current Associations
  0 Active Associations
  0 Passive Associations
  0 Number of Aborted
  0 Number of Graceful Terminations
  0 Number of Out of Blue packets
  0 Number of Packets with invalid Checksum
  0 Number of control chunks sent
  0 Number of ordered chunks sent
  0 Number of Unordered chunks sent
  0 Number of control chunks received
  0 Number of ordered chunks received
  0 Number of Unordered chunks received
  0 Number of messages fragmented
  0 Number of messages reassembled
  0 Number of SCTP packets sent
  0 Number of SCTP packets received
root@DESKTOP-M3TSUJI:/home# nslookup
>
[1]+  Stopped                  nslookup
root@DESKTOP-M3TSUJI:/home# nslookup google.com
Server:          192.168.16.1
Address:         192.168.16.1#53

Non-authoritative answer:
Name:   google.com
Address: 142.250.192.142
Name:   google.com
Address: 2404:6800:4009:81a::200e

root@DESKTOP-M3TSUJI:/home# uptime
 11:44:14 up 4 min,  0 users,  load average: 0.02, 0.03, 0.01
root@DESKTOP-M3TSUJI:/home# wall "Hello"
root@DESKTOP-M3TSUJI:/home# w
 11:45:26 up 5 min,  0 users,  load average: 0.00, 0.02, 0.00
USER      TTY      FROM          LOGIN@   IDLE   JCPU   PCPU WHAT

```

```
USER      TTY      FROM          LOGIN@  IDLE   JCPU   PCPU WHAT
root@DESKTOP-M3TSUJI:/home# free
              total        used        free      shared  buff/cache   available
Mem:          3983996      86708      3751608           72        65680      3668556
Swap:         1048576           0       1048576

root@DESKTOP-M3TSUJI:/home# free -h
              total        used        free      shared  buff/cache   available
Mem:           3.7Gi         84Mi        3.6Gi           0.0Ki        64Mi        3.5Gi
Swap:          1.0Gi           0B         1.0Gi
```

```
root@DESKTOP-M3TSUJI:/home# lsof
COMMAND  PID  TID  TASKCMD  USER  FD  TYPE      DEVICE  SIZE/OFF      NODE NAME
init      1      root  cwd      DIR      8,16    4096        2 /
init      1      root  rtd      DIR      8,16    4096        2 /
init      1      root  txt      REG      0,22   1440152  844424931049022 /init
init      1      root   0u      CHR      1,3      0t0        3 /dev/null
init      1      root   1u      CHR      1,3      0t0        3 /dev/null
init      1      root   2u      CHR      1,3      0t0        3 /dev/null
init      1      root   3w      CHR      1,11     0t0        8 /dev/kmsg
init      1      root   4r      REG      0,4       0      4026532211 mnt
init      1      root   5r      REG      0,4       0      4026532249 mnt
init      1      root   6u      DIR      8,16    4096        2 /
init      1      root   7u      sock     0,7      0t0        20504 protocol: AF_VSOCK
init      1      root   8u      a_inode  0,11     0      17160 [eventpoll]
init      1      root   9u      unix 0x000000004a3a9538 0t0      17316 /run/WSL/1_interop type=SEQPACKET
init      1      root  100u     sock     0,7      0t0      17495 protocol: AF_VSOCK
init      1  5 init    root  cwd      DIR      8,16    4096        2 /
init      1  5 init    root  rtd      DIR      8,16    4096        2 /
init      1  5 init    root  txt      REG      0,22   1440152  844424931049022 /init
init      1  5 init    root   0u      CHR      1,3      0t0        3 /dev/null
init      1  5 init    root   1u      CHR      1,3      0t0        3 /dev/null
init      1  5 init    root   2u      CHR      1,3      0t0        3 /dev/null
init      1  5 init    root   3w      CHR      1,11     0t0        8 /dev/kmsg
init      1  5 init    root   4r      REG      0,4       0      4026532211 mnt
init      1  5 init    root   5r      REG      0,4       0      4026532249 mnt
init      1  5 init    root   6u      DIR      8,16    4096        2 /
init      1  5 init    root   7u      sock     0,7      0t0        20504 protocol: AF_VSOCK
init      1  5 init    root   8u      a_inode  0,11     0      17160 [eventpoll]
init      1  5 init    root   9u      unix 0x000000004a3a9538 0t0      17316 /run/WSL/1_interop type=SEQPACKET
init      1  5 init    root  100u     sock     0,7      0t0      17495 protocol: AF_VSOCK
init      1  6 init    root  cwd      DIR      8,16    4096        2 /
```

```
init      1  6 init    root  cwd      DIR      8,16    4096        2 /
init      1  6 init    root  rtd      DIR      8,16    4096        2 /
init      1  6 init    root  txt      REG      0,22   1440152  844424931049022 /init
init      1  6 init    root   0u      CHR      1,3      0t0        3 /dev/null
init      1  6 init    root   1u      CHR      1,3      0t0        3 /dev/null
init      1  6 init    root   2u      CHR      1,3      0t0        3 /dev/null
init      1  6 init    root   3w      CHR      1,11     0t0        8 /dev/kmsg
init      1  6 init    root   4r      REG      0,4       0      4026532211 mnt
init      1  6 init    root   5r      REG      0,4       0      4026532249 mnt
init      1  6 init    root   6u      DIR      8,16    4096        2 /
init      1  6 init    root   7u      sock     0,7      0t0        20504 protocol: AF_VSOCK
init      1  6 init    root   8u      a_inode  0,11     0      17160 [eventpoll]
init      1  6 init    root   9u      unix 0x000000004a3a9538 0t0      17316 /run/WSL/1_interop type=SEQPACKET
init      7      root  cwd      DIR      8,16    4096        2 /
init      7      root  rtd      DIR      8,16    4096        2 /
init      7      root  txt      REG      0,22   1440152  844424931049022 /init
init      7      root   0u      CHR      1,3      0t0        3 /dev/null
init      7      root   1u      CHR      1,3      0t0        3 /dev/null
init      7      root   2u      CHR      1,3      0t0        3 /dev/null
init      7      root   3w      CHR      1,11     0t0        8 /dev/kmsg
init      7      root   4r      REG      0,4       0      4026532211 mnt
init      7      root   5r      REG      0,4       0      4026532249 mnt
init      7      root   6u      DIR      8,16    4096        2 /
init      7      root   7u      sock     0,7      0t0        20504 protocol: AF_VSOCK
init      7      root   8u      a_inode  0,11     0      17160 [eventpoll]
init      7      root   9u      unix 0x000000004a3a9538 0t0      17316 /run/WSL/1_interop type=SEQPACKET
init      7      root  12u      sock     0,7      0t0      17318 protocol: AF_VSOCK
init      8      root  cwd      DIR      8,16    4096        2 /
init      8      root  rtd      DIR      8,16    4096        2 /
init      8      root  txt      REG      0,22   1440152  844424931049022 /init
init      8      root   0u      CHR      1,3      0t0        3 /dev/null
init      8      root   1u      CHR      1,3      0t0        3 /dev/null
init      8      root   2u      CHR      1,3      0t0        3 /dev/null
init      8      root   3w      CHR      1,11     0t0        8 /dev/kmsg
init      8      root   4r      REG      0,4       0      4026532211 mnt
init      8      root   5r      REG      0,4       0      4026532249 mnt
init      8      root   6u      DIR      8,16    4096        2 /
init      8      root   7u      sock     0,7      0t0        20504 protocol: AF_VSOCK
init      8      root   8u      a_inode  0,11     0      17160 [eventpoll]
```

nslookup	77	80	isc-socket	root	mem	REG	8,16	47	3059	/usr/lib/locale/C.UTF-8/LC_TELEPHONE
nslookup	77	80	isc-socket	root	mem	REG	8,16	3035952	3061	/usr/lib/locale/locale-archive
nslookup	77	80	isc-socket	root	mem	REG	8,16	104984	12332	/usr/lib/x86_64-linux-gnu/libgcc_s.so.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	1956992	12642	/usr/lib/x86_64-linux-gnu/libstdc++.so.6.0.28
nslookup	77	80	isc-socket	root	mem	REG	8,16	28046896	12396	/usr/lib/x86_64-linux-gnu/libcudata.so.66.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	101320	12600	/usr/lib/x86_64-linux-gnu/libresolv-2.31.so
nslookup	77	80	isc-socket	root	mem	REG	8,16	22600	12434	/usr/lib/x86_64-linux-gnu/libkeyutils.so.1.8
nslookup	77	80	isc-socket	root	mem	REG	8,16	56096	12442	/usr/lib/x86_64-linux-gnu/libkrb5support.so.0.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	22600	12231	/usr/lib/x86_64-linux-gnu/libcom_err.so.2.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	191040	12432	/usr/lib/x86_64-linux-gnu/libk5crypto.so.3.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	1369352	12461	/usr/lib/x86_64-linux-gnu/libm-2.31.so
nslookup	77	80	isc-socket	root	mem	REG	8,16	162264	12458	/usr/lib/x86_64-linux-gnu/liblzma.so.5.2.4
nslookup	77	80	isc-socket	root	mem	REG	8,16	108936	12773	/usr/lib/x86_64-linux-gnu/libz.so.1.2.11
nslookup	77	80	isc-socket	root	mem	REG	8,16	1976648	12406	/usr/lib/x86_64-linux-gnu/libcuiuc.so.66.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	1575112	12680	/usr/lib/x86_64-linux-gnu/libunistring.so.2.1.0
nslookup	77	80	isc-socket	root	mem	REG	8,16	194648	12714	/usr/lib/x86_64-linux-gnu/libuv.so.1.0.0
nslookup	77	80	isc-socket	root	mem	REG	8,16	299848	12504	/usr/lib/x86_64-linux-gnu/libns.so.1601.0.0
nslookup	77	80	isc-socket	root	mem	REG	8,16	18816	12257	/usr/lib/x86_64-linux-gnu/libdl-2.31.so
nslookup	77	80	isc-socket	root	mem	REG	8,16	92304	12451	/usr/lib/x86_64-linux-gnu/libltdb.so.0.0.0
nslookup	77	80	isc-socket	root	mem	REG	8,16	22520	12466	/usr/lib/x86_64-linux-gnu/libmaxminddb.so.0.0.7
nslookup	77	80	isc-socket	root	mem	REG	8,16	982016	12440	/usr/lib/x86_64-linux-gnu/libkrb5.so.3.3
nslookup	77	80	isc-socket	root	mem	REG	8,16	309712	12364	/usr/lib/x86_64-linux-gnu/libgssapi_krb5.so.2.2
nslookup	77	80	isc-socket	root	mem	REG	8,16	1799408	12757	/usr/lib/x86_64-linux-gnu/libxml2.so.2.9.10
nslookup	77	80	isc-socket	root	mem	REG	8,16	67912	12428	/usr/lib/x86_64-linux-gnu/libjson-c.so.4.0.0
nslookup	77	80	isc-socket	root	mem	REG	8,16	96728	12214	/usr/lib/x86_64-linux-gnu/libbsd.so.0.10.0
nslookup	77	80	isc-socket	root	mem	REG	8,16	192032	12656	/usr/lib/x86_64-linux-gnu/libtinfo.so.6.2
nslookup	77	80	isc-socket	root	mem	REG	8,16	2029224	12218	/usr/lib/x86_64-linux-gnu/libc-2.31.so
nslookup	77	80	isc-socket	root	mem	REG	8,16	157224	12588	/usr/lib/x86_64-linux-gnu/libpthread-2.31.so
nslookup	77	80	isc-socket	root	mem	REG	8,16	120896	12408	/usr/lib/x86_64-linux-gnu/libidn2.so.0.3.6
nslookup	77	80	isc-socket	root	mem	REG	8,16	2954080	12234	/usr/lib/x86_64-linux-gnu/libcrypto.so.1.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	470936	12418	/usr/lib/x86_64-linux-gnu/libisc.so.1601.0.0
nslookup	77	80	isc-socket	root	mem	REG	8,16	210528	12422	/usr/lib/x86_64-linux-gnu/libiscfg.so.1600.0.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	80104	12202	/usr/lib/x86_64-linux-gnu/libbind9.so.1600.0.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	47432	12414	/usr/lib/x86_64-linux-gnu/libirs.so.1600.0.1
nslookup	77	80	isc-socket	root	mem	REG	8,16	2193896	12262	/usr/lib/x86_64-linux-gnu/libdns.so.1601.0.0
nslookup	77	80	isc-socket	root	mem	REG	8,16	208152	12279	/usr/lib/x86_64-linux-gnu/libedit.so.2.0.63
nslookup	77	80	isc-socket	root	mem	REG	8,16	23	3052	/usr/lib/locale/C.UTF-8/LC_MEASUREMENT
nslookup	77	80	isc-socket	root	mem	REG	8,16	27002	12049	/usr/lib/x86_64-linux-gnu/gconv/gconv-modules.cache
nslookup	77	80	isc-socket	root	mem	REG	8,16	191472	12085	/usr/lib/x86_64-linux-gnu/ld-2.31.so
nslookup	77	80	isc-socket	root	mem	REG	8,16	252	3051	/usr/lib/locale/C.UTF-8/LC_IDENTIFICATION
nslookup	77	80	isc-socket	root	mem	REG	8,16	252	3051	/usr/lib/locale/C.UTF-8/LC_IDENTIFICATION
nslookup	77	80	isc-socket	root	mem	REG	136,0	0x0	3	/dev/pts/0
nslookup	77	80	isc-socket	root	1u	CHR	136,0	0x0	3	/dev/pts/0
nslookup	77	80	isc-socket	root	2u	CHR	136,0	0x0	3	/dev/pts/0
nslookup	77	80	isc-socket	root	3r	FIFO	0,10	0x0	17375	pipe
nslookup	77	80	isc-socket	root	4w	FIFO	0,10	0x0	17375	pipe
nslookup	77	80	isc-socket	root	5u	a_inode	0,11	0	17160	[eventpoll]
lsof	90			root	cwd	DIR	8,16	4096	16386	/home
lsof	90			root	rtx	DIR	8,16	4096	2	/
lsof	90			root	txt	REG	8,16	175744	2021	/usr/bin/lsof
lsof	90			root	mem	REG	8,16	201272	3050	/usr/lib/locale/C.UTF-8/LC_CTYPE
lsof	90			root	mem	REG	8,16	3035952	3061	/usr/lib/locale/locale-archive
lsof	90			root	mem	REG	8,16	157224	12588	/usr/lib/x86_64-linux-gnu/libpthread-2.31.so
lsof	90			root	mem	REG	8,16	18816	12257	/usr/lib/x86_64-linux-gnu/libdl-2.31.so
lsof	90			root	mem	REG	8,16	584392	12557	/usr/lib/x86_64-linux-gnu/libpcr2-8.so.0.9.0
lsof	90			root	mem	REG	8,16	2029224	12218	/usr/lib/x86_64-linux-gnu/libc-2.31.so
lsof	90			root	mem	REG	8,16	163200	12611	/usr/lib/x86_64-linux-gnu/libselinux.so.1
lsof	90			root	mem	REG	8,16	27002	12049	/usr/lib/x86_64-linux-gnu/gconv/gconv-modules.cache
lsof	90			root	mem	REG	8,16	191472	12085	/usr/lib/x86_64-linux-gnu/ld-2.31.so
lsof	90			root	0u	CHR	136,0	0x0	3	/dev/pts/0
lsof	90			root	1u	CHR	136,0	0x0	3	/dev/pts/0
lsof	90			root	2u	CHR	136,0	0x0	3	/dev/pts/0
lsof	90			root	3r	DIR	0,25	0	1	/proc
lsof	90			root	4r	DIR	0,25	0	18503	/proc/90/fd
lsof	90			root	5w	FIFO	0,10	0x0	18508	pipe
lsof	90			root	6r	FIFO	0,10	0x0	18509	pipe
lsof	91			root	cwd	DIR	8,16	4096	16386	/home
lsof	91			root	rtx	DIR	8,16	4096	2	/
lsof	91			root	txt	REG	8,16	175744	2021	/usr/bin/lsof
lsof	91			root	mem	REG	8,16	201272	3050	/usr/lib/locale/C.UTF-8/LC_CTYPE
lsof	91			root	mem	REG	8,16	3035952	3061	/usr/lib/locale/locale-archive
lsof	91			root	mem	REG	8,16	157224	12588	/usr/lib/x86_64-linux-gnu/libpthread-2.31.so
lsof	91			root	mem	REG	8,16	18816	12257	/usr/lib/x86_64-linux-gnu/libdl-2.31.so
lsof	91			root	mem	REG	8,16	584392	12557	/usr/lib/x86_64-linux-gnu/libpcr2-8.so.0.9.0
lsof	91			root	mem	REG	8,16	2029224	12218	/usr/lib/x86_64-linux-gnu/libc-2.31.so
lsof	91			root	mem	REG	8,16	163200	12611	/usr/lib/x86_64-linux-gnu/libselinux.so.1
lsof	91			root	mem	REG	8,16	27002	12049	/usr/lib/x86_64-linux-gnu/gconv/gconv-modules.cache
lsof	91			root	mem	REG	8,16	191472	12085	/usr/lib/x86_64-linux-gnu/ld-2.31.so
lsof	91			root	4r	FIFO	0,10	0x0	18508	pipe
lsof	91			root	7w	FIFO	0,10	0x0	18509	pipe