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asikur@asikur-HP-EliteBook-840-G2: ~
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asikur@asikur-HP-EliteBook-840-G2:~$ ifconfig
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 382 bytes 35993 (35.9 KB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 382 bytes 35993 (35.9 KB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
wlo1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 192.168.0.10 netmask 255.255.255.0 broadcast 192.168.0.255
       inet6 fe80::241c:fe78:9f2:e5de prefixlen 64 scopeid 0x20<link>
       ether 34:02:86:98:ec:43 txqueuelen 1000 (Ethernet)
       RX packets 48408 bytes 67223095 (67.2 MB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 44338 bytes 5157809 (5.1 MB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
asikur@asikur-HP-EliteBook-840-G2:~$
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        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 44338 bytes 5157809 (5.1 MB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
asikur@asikur-HP-EliteBook-840-G2:~$ ip
Usage: ip [ OPTIONS ] OBJECT { COMMAND | help }
ip [ -force ] -batch filename
where OBJECT := { link | address | addrlabel | route | rule | neigh | ntable |
                    tunnel | tuntap | maddress | mroute | mrule | monitor | xfrm
                    netns | l2tp | fou | macsec | tcp_metrics | token | netconf |
ila |
                    vrf | sr | nexthop }
       OPTIONS := { -V[ersion] | -s[tatistics] | -d[etails] | -r[esolve] |
                     -h[uman-readable] | -iec | -j[son] | -p[retty] |
                     -f[amily] { inet | inet6 | mpls | bridge | link } |
-4 | -6 | -I | -D | -M | -B | -0 |
                     -l[oops] { maximum-addr-flush-attempts } | -br[ief] |
                     -o[neline] | -t[imestamp] | -ts[hort] | -b[atch] [filename]
                     -rc[vbuf] [size] | -n[etns] name | -N[umeric] | -a[ll] |
                     -c[olor]}
asikur@asikur-HP-EliteBook-840-G2:~$
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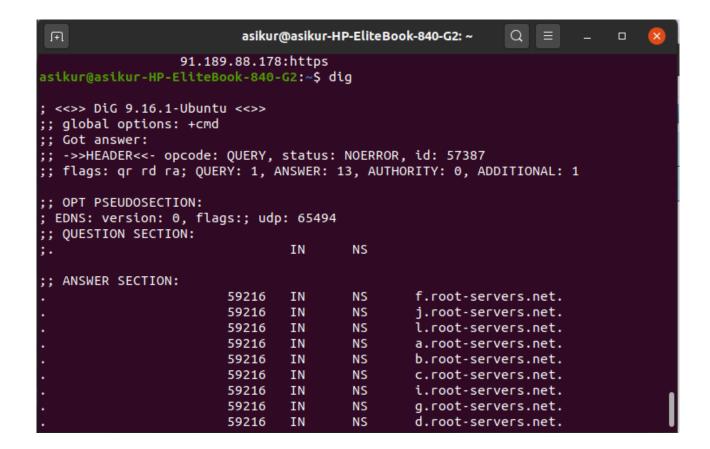
```
asikur@asikur-HP-EliteBook-840-G2:~$ tracepath
 tracepath [options] <destination>
Options:
                 use IPv4
 -4
                use IPv6
 -6
                print both name and ip
 -b
 -l <length> use packet <length> -m <hops> use maximum <hops>
                 no dns name resolution
             use destination <port>
  -p <port>
                 print version and exit
 -V
  <destination> dns name or ip address
For more details see tracepath(8).
asikur@asikur-HP-EliteBook-840-G2:~$
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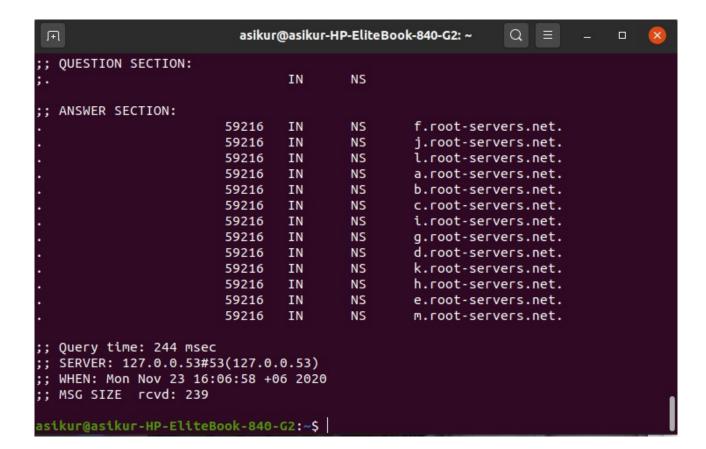
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asiku	r@asiku	г-Н	P-El	iteBook-840-G2:	~\$ netstat	ŧ				
				nections (w/o s						
Proto	Recv-Q	Se	nd-Q	Local Address		Foreign Address	5	State		- 1
tcp	0					aqualea.canonio				
tcp	3796					bahamutt.canoni				
tcp	0					aqualea.canonio		ESTAB	LISH	ED
udp	0					_gateway:bootps	5	ESTAB	LISH	ED
				sockets (w/o se						
	RefCnt			Туре	State	I-Node	Path			
unix	_	[]	DGRAM		33754	/run/user	/1000	/sys	tem
d/not	•									
unix	2	[]	DGRAM		31414	/run/wpa_	_suppl	ican	t/w
lo1			_							
unix	_	[]	DGRAM		31442	/run/wpa_	_suppl	ican	t/p
	v-wlo1		_							
unix		[DGRAM		14933	/run/syst			
	2	[]	DGRAM		14947	/run/syst	emd/j	ourn	al/
syslo		_	_							
unix		[J	DGRAM		14957	/run/syst	cemd/j	ourn	al/
dev-lo	_									
unix		[]	DGRAM		14961	/run/syst	emd/j	ourna	al/
socke			,	2024		26040				
	2	Ĺ]	DGRAM		36810				
unix	2	[DGRAM		26325				

socket	t					
unix	3	[]	STREAM	CONNECTED	38781	
unix	3	[]	STREAM	CONNECTED	41531	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	39011	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	37616	H
unix	3	[]	STREAM	CONNECTED	34260	ALCOHOL WE HE WE
unix	3	[]	STREAM	CONNECTED	31031	/run/dbus/system_bus
socket	ŧ					
unix	3	[]	DGRAM		79908	
unix	3	[]	STREAM	CONNECTED	43074	
unix	3	[]	STREAM	CONNECTED	38597	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	37875	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	36714	
unix	3	[]	DGRAM		14935	
unix	3	[]	STREAM	CONNECTED	42160	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	41711	/run/dbus/system_bus_
socket	t					
unix	3	[]	STREAM	CONNECTED	36789	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	21342	/run/systemd/journal/
stdout	ξ					
unix	3	[]	STREAM	CONNECTED	41489	
unix	3	[]	STREAM	CONNECTED	46398	@/dbus-vfs-daemon/soc
ket-Tu	130c	amu			10.00	Committee of the Commit

asikur@asiku	r-HP-Eli	iteBook-840-	G2:~\$ ss		
Netid State	Recv-Q	Send-Q		Local Address:	Port
	F	Peer Address	:Port	Process	
u_str ESTAB	0	0		*	42323
		*	45182		A WANT Y
u_str ESTAB	0	0		/run/dbus/system_bus_socket	44389
_		*	44388		-
u_str ESTAB	0	0		*	38781
		*	41718		
u_str ESTAB	0	0		/run/user/1000/bus	41531
			38623	1	
u_str ESTAB	0	0	55525	/run/user/1000/bus	39011
0_500 25000			37991	7. 6, 656. 7 2000 7 565	37011
u_str ESTAB	0	0	3.331	*	37616
d_str EstAb	Ŭ		33733		37010
u_str ESTAB	0	0	33733	*	34260
U_SCI ESTAB	U		30710		34200
u ctc ECTAR	0		30710	/sun/dhus/system hus socket	21021
u_str ESTAB	0	0	20102	/run/dbus/system_bus_socket	31031
-t- FCTAR			29192		42074
u_str ESTAB	0	0	44054	*	43074
			44254		
u_str ESTAB	0	0		@/tmp/.X11-unix/X0	38597
		*	40514		

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u_str	ESTAB	0	0	* 44120 * 51057	* 48662
u_str	ESTAB	0	0	* 45158	* 43232
u_str	ESTAB	0	0	* 39869	* 42044
u_str	ESTAB	0	0	* 45426	/run/dbus/system_bus_socket 42656
u_str	ESTAB	0	0	* 40643	* 39670
u_str	ESTAB	0	0	* 39416	* 39415
icmp6	UNCONN	0	0	*:*	*:ipv6-icmp
udp	ESTAB	0	0 192.16	8.0.1:bootps	192.168.0.10%wlo1:bootpc
tcp	ESTAB	0	0	8.178:https	192.168.0.10:38620
tcp	ESTAB	0	0	8.179:https	192.168.0.10:57522
tcp	ESTAB	0	0	8.178:https	192.168.0.10:38678
asiku	@asiku	-HP		-840-G2:~\$	





Kernel IP rout	ting table						
Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
default	_gateway	0.0.0.0	UG	600	0	0	wlo1
link-local	0.0.0.0	255.255.0.0	U	1000	0	0	wlo1
192.168.0.0	0.0.0.0	255.255.255.0	U	600	0	0	wlo1

```
asikur@asikur-HP-EliteBook-840-G2:~$ host
Usage: host [-aCdilrTvVw] [-c class] [-N ndots] [-t type] [-W time]
            [-R number] [-m flag] hostname [server]
       -a is equivalent to -v -t ANY
       -A is like -a but omits RRSIG, NSEC, NSEC3
       -c specifies query class for non-IN data
       -C compares SOA records on authoritative nameservers
       -d is equivalent to -v
       -l lists all hosts in a domain, using AXFR
       -m set memory debugging flag (trace|record|usage)
       -N changes the number of dots allowed before root lookup is done
       -r disables recursive processing
       -R specifies number of retries for UDP packets
       -s a SERVFAIL response should stop query
       -t specifies the query type
       -T enables TCP/IP mode
       -U enables UDP mode
       -v enables verbose output
       -V print version number and exit
       -w specifies to wait forever for a reply
       -W specifies how long to wait for a reply
       -4 use IPv4 query transport only
       -6 use IPv6 query transport only
 sikur@asikur-HP-EliteBook-840-G2:~$
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asikur@asikur-HP-EliteBook-840-G2:~\$ arp Address HWtype HWaddress Flags Mask Iface 192.168.0.1 ether 18:0f:76:8a:64:44 C wlo1 asikur@asikur-HP-EliteBook-840-G2:~\$ asikur@asikur-HP-EliteBook-840-G2:~\$ hostname asikur-HP-EliteBook-840-G2 asikur@asikur-HP-EliteBook-840-G2:~\$

```
asikur@asikur-HP-EliteBook-840-G2:~$ whois

Command 'whois' not found, but can be installed with:

sudo apt install whois

asikur@asikur-HP-EliteBook-840-G2:~$ sudo apt install whois
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asikur@asikur-HP-EliteBook-840-G2:~$ sudo apt install whois
[sudo] password for asikur:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
 libfprint-2-tod1
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
 whois
0 upgraded, 1 newly installed, 0 to remove and 217 not upgraded.
Need to get 44.7 kB of archives.
After this operation, 279 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu focal/main amd64 whois amd64 5.5.6 [44
.7 kB]
Fetched 44.7 kB in 13s (3,518 B/s)
Selecting previously unselected package whois.
(Reading database ... 183238 files and directories currently installed.)
Preparing to unpack .../archives/whois_5.5.6_amd64.deb ...
Unpacking whois (5.5.6) ...
Setting up whois (5.5.6) ...
Processing triggers for man-db (2.9.1-1) ...
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                          asikur@asikur-HP-EliteBook-840-G2: ~
Processing triggers for man-db (2.9.1-1) ...
asikur@asikur-HP-EliteBook-840-G2:~$ whois
Usage: whois [OPTION]... OBJECT...
                       connect to server HOST
-h HOST, --host HOST
p PORT, --port PORT
                       connect to PORT
·I
                       query whois.iana.org and follow its referral
-H
                       hide legal disclaimers
      --verbose
                       explain what is being done
                       display this help and exit
      --help
                       output version information and exit
      --version
These flags are supported by whois.ripe.net and some RIPE-like servers:
                       find the one level less specific match
٠L
                       find all levels less specific matches
- M
- C
- X
- B
                       find all one level more specific matches
                       find all levels of more specific matches
                       find the smallest match containing a mnt-irt attribute
                       exact match
                       return brief IP address ranges with abuse contact
                       turn off object filtering (show email addresses)
G
                       turn off grouping of associated objects
٠d
                       return DNS reverse delegation objects too
  ATTR[,ATTR]...
                       do an inverse look-up for specified ATTRibutes
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asikur@asikur-HP-EliteBook-840-G2: ~
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asikur@asikur-HP-EliteBook-840-G2:~$ sudo apt install iftop
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  libfprint-2-tod1
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
  iftop
O upgraded, 1 newly installed, O to remove and 217 not upgraded.
Need to get 36.3 kB of archives.
After this operation, 95.2 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu focal/universe amd64 iftop amd64 1.0~p
re4-6build1 [36.3 kB]
Fetched 36.3 kB in 3s (11.2 kB/s)
Selecting previously unselected package iftop.
(Reading database ... 183247 files and directories currently installed.)
Preparing to unpack .../iftop_1.0~pre4-6build1_amd64.deb ...
Unpacking iftop (1.0~pre4-6build1) ...
Setting up iftop (1.0~pre4-6build1) ...
Processing triggers for man-db (2.9.1-1) ...
asikur@asikur-HP-EliteBook-840-G2:~$
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asikur@asikur-HP-EliteBook-840-G2:~\$ iftop interface: wlo1
IP address is: 192.168.0.10

MAC address is: 34:02:86:98:ec:43

pcap_open_live(wlo1): wlo1: You don't have permission to capture on that device (socket: Operation not permitted)

asikur@asikur-HP-EliteBook-840-G2:~S