

:1

```
mejomba@mejomba: /etc/apache2/sites-enabled
File Edit View Search Terminal Help
mejomba@mejomba: /etc/apache2/sites-enabled$ ssh root@192.168.1.106 -p 8022
root@192.168.1.106's password:
Welcome to Termux!

Docs:      https://termux.dev/docs
Donate:    https://termux.dev/donate
Community: https://termux.dev/community

Working with packages:

- Search: pkg search <query>
- Install: pkg install <package>
- Upgrade: pkg upgrade

Subscribing to additional repositories:

- Root:    pkg install root-repo
- X11:     pkg install x11-repo

For fixing any repository issues,
try 'termux-change-repo' command.

Report issues at https://termux.dev/issues
```

```
mejomba@mejomba: /var/www/html
File Edit View Search Terminal Tabs Help
mejomba@mejomba: /var/www/html
1 [|||||] 30.4% Tasks: 250, 1346 thr: 2 running
2 [|||||] 32.9% Load average: 2.14 2.37 2.05
3 [|||||] 31.4% Uptime: 11 days, 21:40:10
4 [|||||] 38.0%
Mem [|||||] 16.37G/7.64G
Swp [|||||] 1.61G/1.61G

PID USER PRI NI VIRT RES SHR S CPU% MEM% TIME+ Command
21526 mejomba 20 0 49688 5732 5056 S 0.0 0.1 0:00.02 ssh root@192.168.1.106 -p 8022
```

:2

```
mejomba@mejomba: /var/www/html
File Edit View Search Terminal Help
mejomba@mejomba: /var/www/html$ nslookup www.maktabsharif.ir
Server:      127.0.0.53
Address:     127.0.0.53#53

Non-authoritative answer:
Name:   www.maktabsharif.ir
Address: 185.143.233.5
Name:   www.maktabsharif.ir
Address: 185.143.234.5

mejomba@mejomba: /var/www/html$ nslookup maktabsharif.ir
Server:      127.0.0.53
Address:     127.0.0.53#53

Non-authoritative answer:
Name:   maktabsharif.ir
Address: 185.143.234.118
Name:   maktabsharif.ir
Address: 185.143.233.118

mejomba@mejomba: /var/www/html$ nslookup maktabsharif.com
Server:      127.0.0.53
Address:     127.0.0.53#53

Non-authoritative answer:
Name:   maktabsharif.com
Address: 185.143.234.120
Name:   maktabsharif.com
Address: 185.143.233.120

mejomba@mejomba: /var/www/html$
```

```

mejomba@mejomba: ~
File Edit View Search Terminal Help

mejomba@mejomba:~$ netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp      0      0 mejomba:44988          188.114.99.0:https      TIME_WAIT
tcp      0    518 mejomba:60772          248.199.186.35.bc:https FIN_WAIT1
tcp      0      0 mejomba:33930          104.16.87.20:https      TIME_WAIT
tcp      0      0 mejomba:44992          188.114.99.0:https      ESTABLISHED
tcp      0    518 mejomba:46798          fra16s56-in-f3.1e:https FIN_WAIT1
tcp      0      1 mejomba:36310          10.10.34.35:https       SYN_SENT
tcp      0      0 mejomba:58038          31.7.69.16:https        ESTABLISHED
tcp      0      0 mejomba:34898          irs.parsgate.com:http   TIME_WAIT
tcp      0      0 mejomba:48100          wk-in-f188.1e100.n:5228 ESTABLISHED
tcp      0    518 mejomba:32998          fra16s56-in-f3.1e:https FIN_WAIT1
tcp      0      1 mejomba:58884          10.10.34.35:https       SYN_SENT
tcp      0      0 mejomba:44972          188.114.99.0:https      TIME_WAIT
tcp      0    518 mejomba:58130          fra16s56-in-f3.1e:https FIN_WAIT1
tcp      0      0 mejomba:51354          fra24s07-in-f3.1e:https ESTABLISHED
tcp      0      0 mejomba:44996          188.114.99.0:https      ESTABLISHED
tcp      0      0 mejomba:58742          fra16s53-in-f10.1:https ESTABLISHED
tcp      0      0 mejomba:47558          any-in-2678.1e100:https ESTABLISHED
tcp      0      0 mejomba:52040          58-profile.credof:https ESTABLISHED
tcp      0      65 mejomba:33934          104.16.87.20:https      LAST_ACK
tcp      0      0 mejomba:34014          fra24s11-in-f14.1:https ESTABLISHED
tcp      0      0 mejomba:37290          fra16s49-in-f3.1e:https ESTABLISHED
tcp      0      0 mejomba:34665          relay-fcac249d.net:http  ESTABLISHED
tcp      0    518 mejomba:57666          e2a.google.com:https    FIN_WAIT1
tcp      0      0 mejomba:47478          fra16s53-in-f10.1:https ESTABLISHED
tcp      0      1 mejomba:47848          10.10.34.35:https       SYN_SENT
tcp      0    518 mejomba:48012          248.199.186.35.bc:https FIN_WAIT1
tcp      0      1 mejomba:57216          10.10.34.35:https       SYN_SENT
tcp      0    518 mejomba:51040          e2a.google.com:https    FIN_WAIT1
tcp      0      1 mejomba:57210          10.10.34.35:https       SYN_SENT
tcp      0    518 mejomba:58114          fra16s56-in-f3.1e:https FIN_WAIT1
tcp      0      0 mejomba:58766          31.7.69.16:https        ESTABLISHED
tcp      0      0 mejomba:34368          zrh04s06-in-f142.:https ESTABLISHED
tcp      0      0 mejomba:59794          fra16s49-in-f3.1e:https ESTABLISHED
tcp      0      1 mejomba:36306          10.10.34.35:https       SYN_SENT
tcp      0      0 mejomba:41896          ec2-35-168-182-19:https ESTABLISHED
udp      0      0 mysite.com:48425       mysite.com:48425       ESTABLISHED
Active UNIX domain sockets (w/o servers)

```

```
mejomba@mejomba: ~  
File Edit View Search Terminal Help  
mejomba@mejomba:~$ host maktabsharif.com  
maktabsharif.com has address 185.143.233.120  
maktabsharif.com has address 185.143.234.120  
mejomba@mejomba:~$ nmap 185.143.234.120  
  
Starting Nmap 7.60 ( https://nmap.org ) at 2023-01-06 15:58 +0330  
Nmap scan report for 185.143.234.120  
Host is up (0.050s latency).  
Not shown: 997 filtered ports  
PORT      STATE SERVICE  
80/tcp    open  http  
443/tcp   open  https  
8080/tcp  open  http-proxy  
  
Nmap done: 1 IP address (1 host up) scanned in 83.36 seconds  
mejomba@mejomba:~$
```



```
mejomba@mejomba: ~  
File Edit View Search Terminal Help  
mejomba@mejomba:~$ nmap -p 80 185.143.233.120  
Starting Nmap 7.60 ( https://nmap.org ) at 2023-01-06 16:02 +0330  
Nmap scan report for 185.143.233.120  
Host is up (0.14s latency).  
  
PORT      STATE SERVICE  
80/tcp    open  http  
  
Nmap done: 1 IP address (1 host up) scanned in 0.80 seconds  
mejomba@mejomba:~$ nmap -p 443 185.143.233.120  
Starting Nmap 7.60 ( https://nmap.org ) at 2023-01-06 16:02 +0330  
Nmap scan report for 185.143.233.120  
Host is up (0.22s latency).  
  
PORT      STATE SERVICE  
443/tcp   open  https  
  
Nmap done: 1 IP address (1 host up) scanned in 0.65 seconds  
mejomba@mejomba:~$ nmap -p 20 185.143.233.120  
Starting Nmap 7.60 ( https://nmap.org ) at 2023-01-06 16:02 +0330  
Nmap scan report for 185.143.233.120  
Host is up (0.10s latency).  
  
PORT      STATE SERVICE  
20/tcp    filtered ftp-data  
  
Nmap done: 1 IP address (1 host up) scanned in 1.18 seconds  
mejomba@mejomba:~$ nmap -p 21 185.143.233.120  
Starting Nmap 7.60 ( https://nmap.org ) at 2023-01-06 16:02 +0330  
Nmap scan report for 185.143.233.120  
Host is up (0.24s latency).  
  
PORT      STATE SERVICE  
21/tcp    filtered ftp  
  
Nmap done: 1 IP address (1 host up) scanned in 2.72 seconds  
mejomba@mejomba:~$ nmap -p 8080 185.143.233.120  
Starting Nmap 7.60 ( https://nmap.org ) at 2023-01-06 16:02 +0330  
Nmap scan report for 185.143.233.120  
Host is up (0.081s latency).  
  
PORT      STATE SERVICE  
8080/tcp  open  http-proxy  
  
Nmap done: 1 IP address (1 host up) scanned in 0.23 seconds  
mejomba@mejomba:~$
```

Capturing from enp3s0

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http

No.	Time	Source	Destination	Protocol	Length	Info
736	4.153354935	192.168.1.102	185.125.190.17	HTTP	494	GET / HTTP/1.1
961	5.439008532	185.125.190.17	192.168.1.102	HTTP	194	HTTP/1.1 204 No Content

▶ Frame 961: 194 bytes on wire (1552 bits), 194 bytes captured (1552 bits) on interface enp3s0, id 0
 ▶ Ethernet II, Src: TP-Link_96:a6:2a (b4:b0:24:96:a6:2a), Dst: ASUSTekC_13:bf:25 (0c:9d:92:13:bf:25)
 ▶ Internet Protocol Version 4, Src: 185.125.190.17, Dst: 192.168.1.102
 ▶ Transmission Control Protocol, Src Port: 80, Dst Port: 51532, Seq: 1, Ack: 429, Len: 128
 ▾ Hypertext Transfer Protocol

▶ HTTP/1.1 204 No Content\r\n
 server: nginx/1.14.0 (Ubuntu)\r\n
 date: Fri, 06 Jan 2023 13:23:02 GMT\r\n
 x-networkmanager-status: online\r\n
 \r\n
 [HTTP response 1/1]
 [Time since request: 1.285653597 seconds]
[\[Request in frame: 736\]](#)
 [Request URI: http://185.125.190.17/]

:7

Wireshark capture of ICMP Echo (ping) requests and replies. The capture shows a sequence of 13 ping requests and replies, with a terminal window showing the output of the 'ping' command.

No.	Time	Source	Destination	Protocol	Length	Info
323	1.832664360	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=1/256, ttl=64 (reply in 346)
346	1.959011377	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=1/256, ttl=64 (request in 323)
518	2.834170372	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=2/512, ttl=64 (reply in 529)
529	2.879158994	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=2/512, ttl=64 (request in 518)
708	3.834906155	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=3/768, ttl=64 (reply in 723)
723	3.906127133	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=3/768, ttl=64 (request in 708)
891	4.835996825	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=4/1024, ttl=64 (reply in 906)
906	4.926888833	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=4/1024, ttl=64 (request in 891)
1074	5.837973516	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=5/1280, ttl=64 (reply in 1089)
1089	5.925252813	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=5/1280, ttl=64 (request in 1074)
1260	6.839542401	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=6/1536, ttl=64 (reply in 1265)
1265	6.849766261	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=6/1536, ttl=64 (request in 1260)
1447	7.840320205	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=7/1792, ttl=64 (reply in 1457)
1457	7.896036411	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=7/1792, ttl=64 (request in 1447)
1637	8.842214126	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=8/2048, ttl=64 (reply in 1662)
1662	8.972699818	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=8/2048, ttl=64 (request in 1637)
1808	9.842903236	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=9/2304, ttl=64 (reply in 1810)
1810	9.845509792	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=9/2304, ttl=64 (request in 1808)
1985	10.845099674	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=10/2560, ttl=64 (reply in 1987)
1987	10.848247628	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=10/2560, ttl=64 (request in 1985)
2166	11.846402253	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=11/2816, ttl=64 (reply in 2207)
2207	12.050613855	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=11/2816, ttl=64 (request in 2166)
2352	12.847371230	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=12/3072, ttl=64 (reply in 2356)
2356	12.851184065	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=12/3072, ttl=64 (request in 2352)
2535	13.849407968	192.168.1.102	192.168.1.106	ICMP	98	Echo (ping) request id=0x202a, seq=13/3328, ttl=64 (reply in 2548)
2548	13.937666406	192.168.1.106	192.168.1.102	ICMP	98	Echo (ping) reply id=0x202a, seq=13/3328, ttl=64 (request in 2548)

Frame 323: 98 bytes on wire (784 bits), 98 bytes captured (784 bits) on interface enp3s0, id 0
 Ethernet II, Src: ASUSTekC_13:bf:25 (0c:9d:92:13:bf:25), Dst: 16:24:f2:44:42:3f (16:24:f2:44:42:3f)
 Internet Protocol Version 4, Src: 192.168.1.102, Dst: 192.168.1.106
 Internet Control Message Protocol

```

0000 16 24 f2 44 42 3f 0c 9d 92 13 bf 25 08 00 45 00  . $ DB? . . . . . E
0010 00 54 85 9c 40 00 40 01 30 ec c0 a8 01 66 c0 a8  T @ @ 0 . . . f . .
0020 01 6a 00 00 bd 40 20 2a 00 01 39 18 b8 63 00 00  . . . . . @ * . . . c . .
0030 00 00 65 45 05 00 00 00 00 10 11 12 13 14 15  . . . . . e . . . . .
0040 16 17 18 19 1a 1b 1c 1d 1e 1f 20 21 22 23 24 25  . . . . . . . . . . ! " # $ %
0050 26 27 28 29 2a 2b 2c 2d 2e 2f 30 31 32 33 34 35  & ' ( ) * + , - . / 0 1 2 3 4 5
0060 36 37 67
  
```

enp3s0: live capture in progress

```

File Edit View Search Terminal Help
mejomba@mejomba:~$ ping 192.168.1.106
PING 192.168.1.106 (192.168.1.106) 56(84) bytes of data.
64 bytes from 192.168.1.106: icmp_seq=1 ttl=64 time=126 ms
64 bytes from 192.168.1.106: icmp_seq=2 ttl=64 time=45.0 ms
64 bytes from 192.168.1.106: icmp_seq=3 ttl=64 time=71.2 ms
64 bytes from 192.168.1.106: icmp_seq=4 ttl=64 time=90.9 ms
64 bytes from 192.168.1.106: icmp_seq=5 ttl=64 time=87.3 ms
64 bytes from 192.168.1.106: icmp_seq=6 ttl=64 time=10.2 ms
64 bytes from 192.168.1.106: icmp_seq=7 ttl=64 time=55.7 ms
64 bytes from 192.168.1.106: icmp_seq=8 ttl=64 time=130 ms
64 bytes from 192.168.1.106: icmp_seq=9 ttl=64 time=2.64 ms
64 bytes from 192.168.1.106: icmp_seq=10 ttl=64 time=3.19 ms
64 bytes from 192.168.1.106: icmp_seq=11 ttl=64 time=204 ms
64 bytes from 192.168.1.106: icmp_seq=12 ttl=64 time=3.85 ms
64 bytes from 192.168.1.106: icmp_seq=13 ttl=64 time=88.2 ms
^C
--- 192.168.1.106 ping statistics ---
13 packets transmitted, 13 received, 0% packet loss, time 12016ms
rtt min/avg/max/mdev = 2.643/70.740/204.246/57.975 ms
mejomba@mejomba:~$
  
```

:8

Wireshark capture of DNS queries and responses. The capture shows a sequence of DNS queries and responses, with a terminal window showing the output of the 'nslookup' and 'dig' commands.

No.	Time	Source	Destination	Protocol	Length	Info
1910	8.847050952	192.168.1.102	192.168.1.1	DNS	81	Standard query 0x0869 A google.com OPT
1916	8.861467723	192.168.1.1	192.168.1.102	DNS	97	Standard query response 0x0869 A google.com A 142.250.186.142 OPT
1917	8.862722253	192.168.1.102	192.168.1.1	DNS	81	Standard query 0x086e AAAA google.com OPT
1925	8.879733039	192.168.1.1	192.168.1.102	DNS	100	Standard query response 0x086e AAAA google.com AAAA 2001:4860:4802:32::78 OPT
7441	34.625423709	192.168.1.102	192.168.1.1	DNS	88	Standard query 0xc36c A socket.imber.live OPT
7451	34.688157099	192.168.1.1	192.168.1.102	DNS	104	Standard query response 0xc36c A socket.imber.live A 185.208.79.58 OPT
7670	35.541499966	192.168.1.102	192.168.1.1	DNS	95	Standard query 0xb0b2 A gce-beacons.gcp.gvt2.com OPT
7678	35.579218938	192.168.1.1	192.168.1.102	DNS	111	Standard query response 0xb0b2 A gce-beacons.gcp.gvt2.com A 35.210.188.173 OPT
8259	37.822557590	192.168.1.102	192.168.1.1	DNS	101	Standard query 0xfdaf A relay-aeff8875.net.anydesk.com OPT
8267	37.839222931	192.168.1.1	192.168.1.102	DNS	117	Standard query response 0xfdaf A relay-aeff8875.net.anydesk.com A 203.23.178.55 OPT

Frame 1910: 81 bytes on wire (648 bits), 81 bytes captured (648 bits) on 1
 Ethernet II, Src: ASUSTekC_13:bf:25 (0c:9d:92:13:bf:25), Dst: TP-Link_96:8c:00:08:00:00
 Internet Protocol Version 4, Src: 192.168.1.102, Dst: 192.168.1.1
 User Datagram Protocol, Src Port: 33623, Dst Port: 53
 Domain Name System (query)

```

0000 b4 b0 24 96 a6 2a 0c 9d 92 13 bf 25 08 00 45 00  . $ . . . . . E
0010 00 43 68 9e 40 00 40 11 4e 54 c0 a8 01 66 c0 a8  Ch @ @ NT . . . f . .
0020 01 01 83 57 00 35 00 2f 83 f8 08 69 01 00 00 01  . . W 5 / . . . . . i . .
0030 00 00 00 00 00 01 06 67 6f 6f 67 6c 65 03 63 6f  . . . . . g o o g l e . c o
0040 6d 00 00 01 00 01 00 00 29 02 00 00 00 00 00 00  m . . . . . ) . . . . .
  
```

```

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mejomba@mejomba:~$ nslookup google.com
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
Name: google.com
Address: 142.250.186.142
Name: google.com
Address: 2001:4860:4802:32::78

mejomba@mejomba:~$ dig google.com
;<<<>> DIG 9.11.3:1ubuntu1.18-Ubuntu <<<>> google.com
;; global options: +cmd
;; Got answer:
;;->>HEADER<- opcode: QUERY, status: NOERROR, id: 29991
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1
;; OPT PSEUDOSECTION:
;; EDNS: version: 0, Flags: udp: 65494
;; QUESTION SECTION:
;google.com.
IN A
;; ANSWER SECTION:
google.com. 196 IN A 142.250.186.142
;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Fri Jan 06 16:19:15 +0330 2023
;; MSG SIZE rcvd: 55
mejomba@mejomba:~$
  
```

*enp3s0

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ip.dst == 192.168.1.102 && ip.src == 212.33.204.131

No.	Time	Source	Destination	Protocol	Length	Info
48345	237.828692288	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48350	237.848217268	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48352	237.869613587	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48359	237.889003486	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48360	237.899729275	212.33.204.131	192.168.1.102	UDP	92	10080 → 34717
48361	237.905810571	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48366	237.927502910	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48370	237.942793297	212.33.204.131	192.168.1.102	STUN	106	Binding Success
48371	237.943977163	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48374	237.963725087	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48380	237.993799641	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48381	237.999683416	212.33.204.131	192.168.1.102	UDP	92	10080 → 34717
48385	238.009295668	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48386	238.028804256	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48388	238.048961655	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48390	238.061855419	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48392	238.084539704	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48394	238.098997614	212.33.204.131	192.168.1.102	UDP	96	10080 → 34717
48395	238.108063017	212.33.204.131	192.168.1.102	UDP	167	13434 → 46049
48398	238.132051313	212.33.204.131	192.168.1.102	UDP	231	13434 → 46049
48399	238.143369600	212.33.204.131	192.168.1.102	UDP	183	13434 → 46049
48401	238.167964022	212.33.204.131	192.168.1.102	UDP	162	13434 → 46049
48404	238.188453392	212.33.204.131	192.168.1.102	UDP	164	13434 → 46049
48407	238.199339783	212.33.204.131	192.168.1.102	UDP	84	10080 → 34717

Frame 83: 159 bytes on wire (1272 bits), 159 bytes captured (1272 bits) on interface enp3s0, ...

- Ethernet II, Src: TP-Link_96:a6:2a (b4:b0:24:96:a6:2a), Dst: ASUSTekC_13:bf:25 (0c:9d:92:13:...
- Internet Protocol Version 4, Src: 212.33.204.131, Dst: 192.168.1.102
- User Datagram Protocol, Src Port: 13434, Dst Port: 46049
- Data (117 bytes)