kali@kali: ~


```
┌──(kali㉿kali)-[~]
└─$ telnet
telnet> quit

┌──(kali㉿kali)-[~]
└─$ sudo apt install busybox-static -y
[sudo] password for kali:
Package busybox-static is not available, but is referred to by another package.
This may mean that the package is missing, has been obsoleted, or
is only available from another source
However the following packages replace it:
  busybox

Error: Package 'busybox-static' has no installation candidate

┌──(kali㉿kali)-[~]
└─$
```

Auto capture keyboard ...
Don't show again

```
┌──(kali㉿kali)-[~]
└─$ Error: Package 'busybox-static' has no installation candidate
Error:: command not found

┌──(kali㉿kali)-[~]
└─$ sudo apt update
sudo apt install busybox

Get:1 http://kali.download/kali kali-rolling InRelease [34.0 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [20.9 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [52.6 MB]
Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [114 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [255 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Packages [190 kB]
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [905 kB]
Get:8 http://kali.download/kali kali-rolling/non-free-firmware amd64 Packages [11.8 kB]
Get:9 http://kali.download/kali kali-rolling/non-free-firmware amd64 Contents (deb) [30.0 kB]
Fetched 75.0 MB in 25s (2,943 kB/s)
1447 packages can be upgraded. Run 'apt list --upgradable' to see them.
Upgrading:
```

kali-linux-2025.3-virtualbox-amd64 [Running] - Oracle VirtualBox

File Machine View Input Devices Help

kali@kali: ~

Session Actions Edit View Help

```
Processing triggers for kali-menu (2025.3.2) ...

┌──(kali㉿kali)-[~]
└─$ sudo apt install telnet -y
Upgrading:
  inetutils-telnet  libc-bin  libc-dev-bin  libc-l10n  libc6  libc6-dev  libc6-i386  locales

Installing:
  telnet

Installing dependencies:
  libc-gconv-modules-extra

Summary:
  Upgrading: 8, Installing: 2, Removing: 0, Not Upgrading: 1438
  Download size: 13.2 MB
  Space needed: 1,866 kB / 63.5 GB available

Get:1 http://kali.download/kali kali-rolling/main amd64 libc-gconv-modules-extra amd64 2.42-5 [1,127 kB]
Get:5 http://mirrors.esto.network/kali kali-rolling/main amd64 libc-bin amd64 2.42-5 [674 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 libc-l10n all 2.42-5 [749 kB]
Get:3 http://kali.download/kali kali-rolling/main amd64 locales all 2.42-5 [3,927 kB]
Get:4 http://kali.download/kali kali-rolling/main amd64 libc6 amd64 2.42-5 [1,888 kB]
Get:6 http://kali.download/kali kali-rolling/main amd64 libc6-i386 amd64 2.42-5 [2,557 kB]
Get:8 http://kali.download/kali kali-rolling/main amd64 libc6-dev amd64 2.42-5 [2,091 kB]
Get:9 http://kali.download/kali kali-rolling/main amd64 inetutils-telnet amd64 2:2.7-1 [127 kB]
Get:10 http://http.kali.org/kali kali-rolling/main amd64 telnet all 0.17+2.7-1 [40.0 kB]
Get:7 http://mirrors.esto.network/kali kali-rolling/main amd64 libc-dev-bin amd64 2.42-5 [60.3 kB]
Fetched 13.2 MB in 11s (1,151 kB/s)
Preconfiguring packages ...
(Reading database ... 417227 files and directories currently installed.)
Preparing to unpack .../locales_2.42-5_all.deb ...
Unpacking locales (2.42-5) over (2.41-12) ...
Preparing to unpack .../libc6_2.42-5_amd64.deb ...
Checking for services that may need to be restarted...
Checking init scripts...
Unpacking libc6:amd64 (2.42-5) over (2.41-12) ...
Selecting previously unselected package libc-gconv-modules-extra:amd64.
Preparing to unpack .../libc-gconv-modules-extra_2.42-5_amd64.deb ...
```

Auto capture keyboard ...

Don't show again

Right Ctrl

17°C Mostly clear

Search

ENG IN

22:14 25-12-2025

kali-linux-2025.3-virtualbox-amd64 [Running] - Oracle VirtualBox
File Machine View Input Devices Help


```
Processing triggers for base-files (1:2025.3.0) ...

┌──(kali㉿kali)-[~]
└─$ sudo apt install telnet -y
Completing external command
\[                                  ip6tables-nft                       ps2pdf13
1password2john                      ip6tables-nft-restore               ps2pdf14
2to3-2.7                            ip6tables-nft-save                  ps2pdfwr
7z                                  ip6tables-restore                   ps2pk
7z2john                             ip6tables-restore-translate         ps2ps
7za                                 ip6tables-save                      ps2ps2
7zr                                 ip6tables-translate                 ps2txt
411toppm                            ipcmk                               pse2john
a2disconf                           ipcrm                               pserve3
a2dismod                            ipcs                                psfaddtable
a2dissite                           ipmaddr                             psfgettable
a2enconf                            ipp-usb                             psfstriptable
a2enmod                             ipsec                               psfxtable
a2ensite                            iptables                            pshell3
a2query                             iptables-apply                      psidtopgm
aa-enabled                          iptables-legacy                     psk-crack
aa-exec                             iptables-legacy-restore             psktool
aa-features-abi                     iptables-legacy-save                pslog
aa-load                             iptables-nft                        psql
aa-remove-unknown                   iptables-nft-restore                pstat
aa-status                           iptables-nft-save                   ps_token2john
aa-teardown                         iptables-restore                    pstopnm
ab                                  iptables-restore-translate          pstree
accessdb                            iptables-save                       pstree.x11
acorn                               iptables-translate                  pt2to3
activate-global-python-argcomplete  iptables-xml                        ptar
acyclic                             iptunnel                            ptardiff
addgnupghome                        ipwhois_cli.py                      ptargrep
addgroup                            ipwhois_utils_cli.py                ptdump
addr2line                           ipython3                            ptekf
add-shell                           irb                                 ptex
adduser                             irb3.3                              ptftopl
adxcsouf2john                       isadump                             pth-curl
aem2john                            isaset                              pth-net
```

Auto capture keyboard ...
Don't show again
Right Ctrl
17°C Mostly clear
Search
ENG IN
22:14 25-12-2025

kali-linux-2025.3-virtualbox-amd64 [Running] - Oracle VirtualBox

File Machine View Input Devices Help

kali@kali: ~

Session Actions Edit View Help

```
arptables-save                          kismet_cap_freaklabs_zigbee             pyi-makespec
arptables-translate                     kismet_cap_hak5_wifi_coconut            pyinstaller
aruba2john                              kismet_cap_kismetdb                     pyi-set_version
as                                      kismet_cap_linux_bluetooth              pylnk3
asan_symbolize                          kismet_cap_linux_wifi                   pylupdate5
asan_symbolize-18                       kismet_cap_nrf_51822                    pylupdate6
┌──(kali㉿kali)-[~]
└─$ sudo busybox telnetd -f -p 23

┌──(kali㉿kali)-[~]
└─$  telnet localhost.
Server lookup failure:  localhost.:telnet, Name or service not known

┌──(kali㉿kali)-[~]
└─$ telnet localhost
Trying ::1...
Connected to localhost.
Escape character is '^]'.

kali login: login: timed out after 60 secondsConnection closed by foreign host.

┌──(kali㉿kali)-[~]
└─$ telnet localhost
Trying ::1...
Connected to localhost.
Escape character is '^]'.

kali login: kali
Password:
Linux kali 6.12.38+kali-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.12.38-1kali1 (2025-08-12) x86_64

The programs included with the Kali GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
┌──(kali㉿kali)-[~]
└─$
```

Auto capture keyboard ...

Don't show again

Right Ctrl

17°C Mostly clear

Search

ENG IN

22:14 25-12-2025

freaklabs_zi
hak5_wifi_cc
kismetdb
linux_bluetc
linux_wifi
nrf_51822

e not known

losed by for

Capturing from Loopback: lo

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp.port == 23

No.	Time	Source	Destination	Protocol	Length	Info
28	89.320080888	::1	::1	TCP	86	567
29	89.320102786	::1	::1	TELNET	98	12
30	89.320182046	::1	::1	TCP	86	567
31	90.780003900	::1	::1	TELNET	87	1 b
32	90.780165686	::1	::1	TELNET	87	1 b
33	90.780179156	::1	::1	TCP	86	567
34	90.869373630	::1	::1	TELNET	87	1 b
35	90.869523484	::1	::1	TELNET	87	1 b
36	90.869538273	::1	::1	TCP	86	567
37	90.954376825	::1	::1	TELNET	87	1 b
38	90.954891020	::1	::1	TELNET	87	1 b

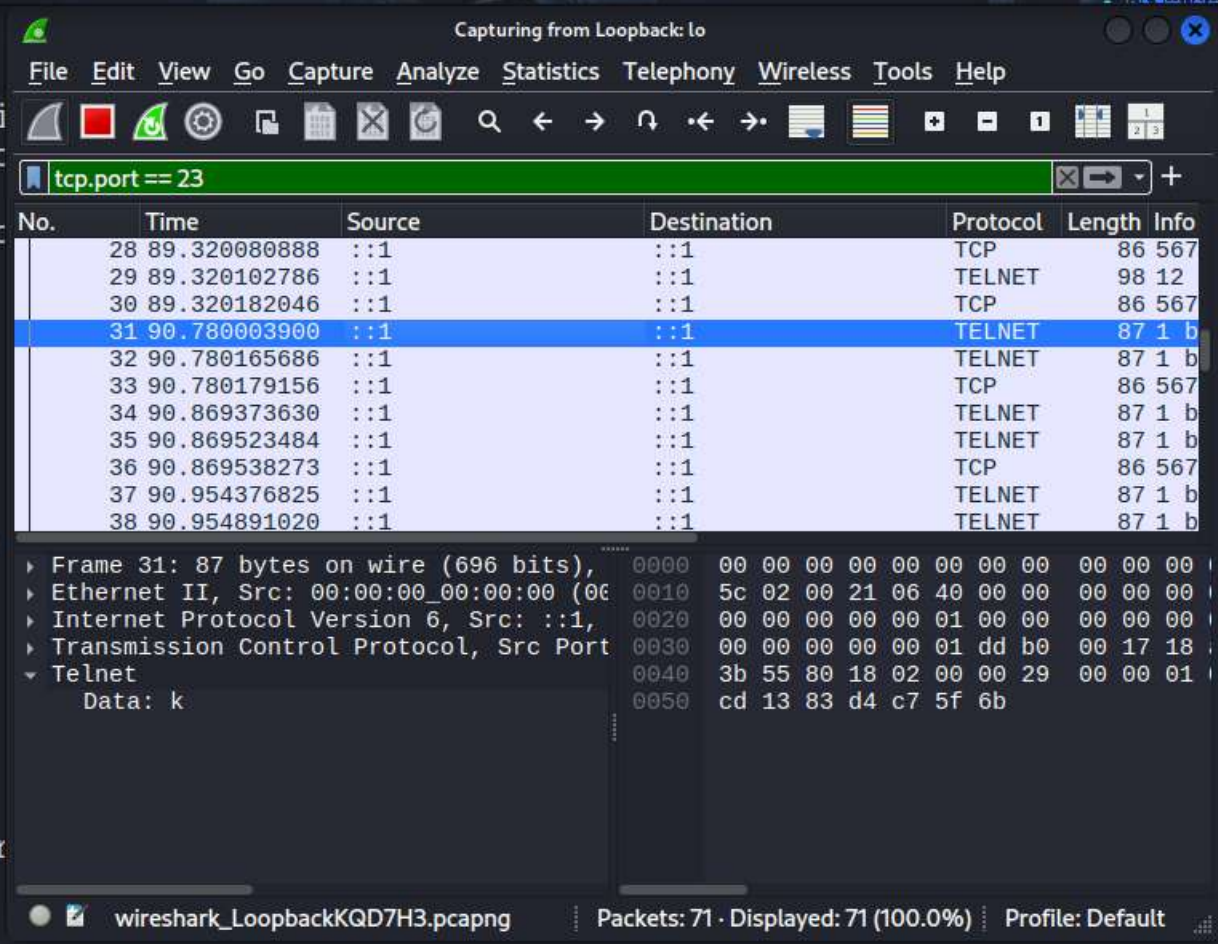
```
▸ Frame 29: 98 bytes on wire (784 bits),
▸ Ethernet II, Src: 00:00:00_00:00:00 (00
▸ Internet Protocol Version 6, Src: ::1,
▸ Transmission Control Protocol, Src Port
▾ Telnet
    Data: kali login:
```

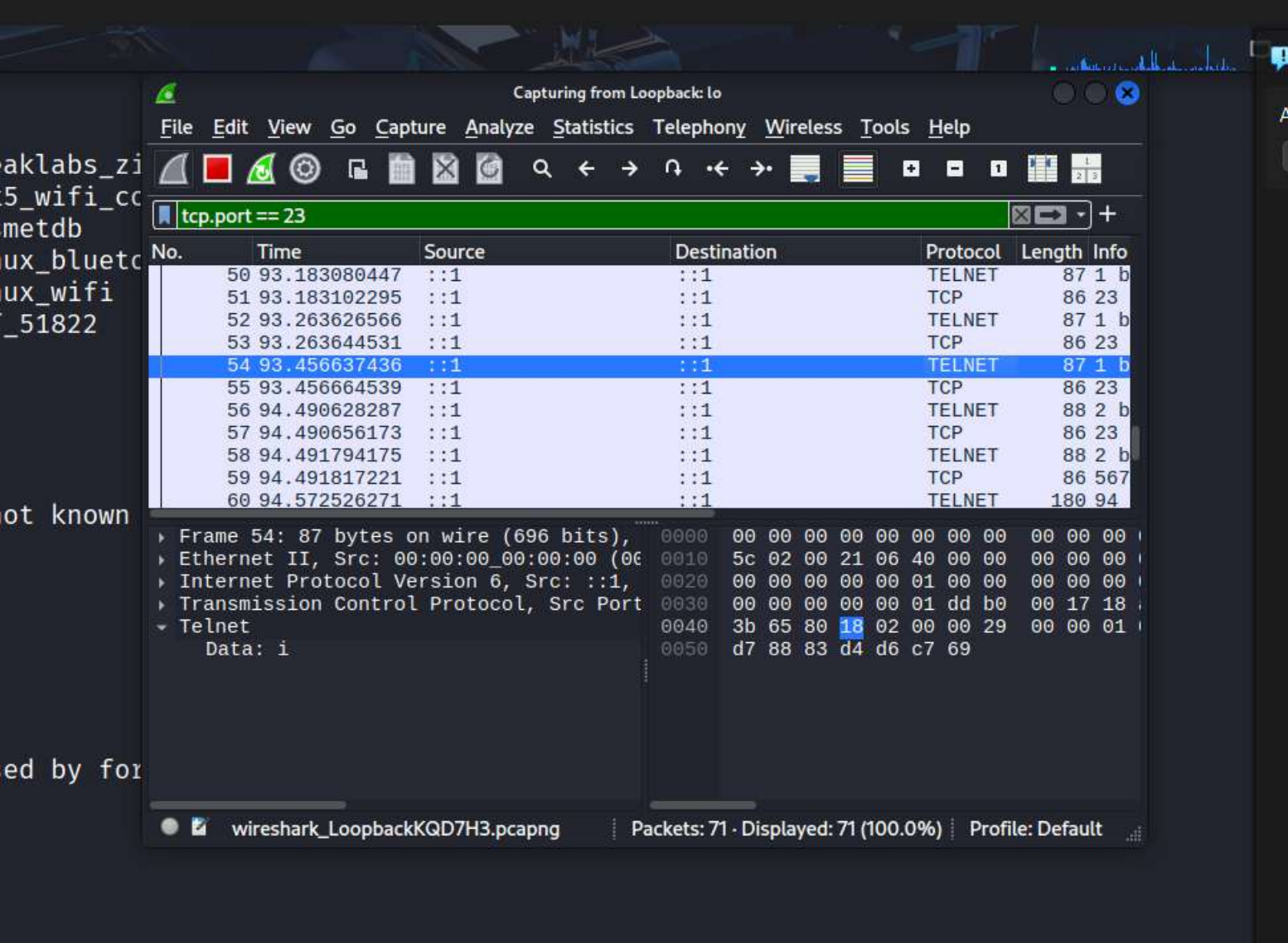
```
0000  00 00 00 00 00 00 00 00  00 00 00
0010  a5 5d 00 2c 06 40 00 00  00 00 00
0020  00 00 00 00 00 01 00 00  00 00 00
0030  00 00 00 00 00 01 00 17  dd b0 bd
0040  90 a6 80 18 02 00 00 34  00 00 01
0050  c7 5f 83 d4 c7 5f 6b 61  6c 69 20
0060  3a 20
```

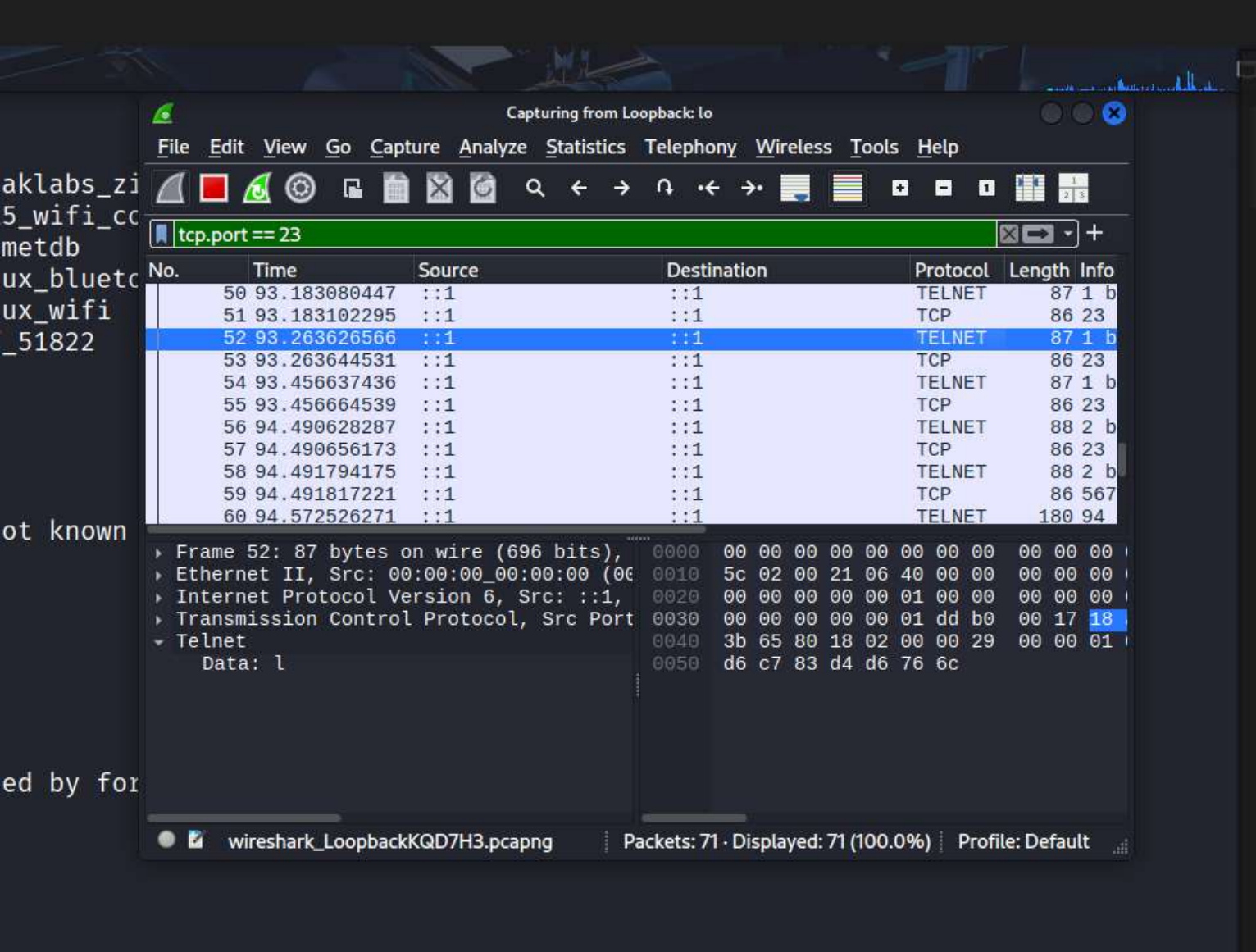
wireshark_LoopbackKQD7H3.pcapng | Packets: 71 · Displayed: 71 (100.0%) | Profile: Default

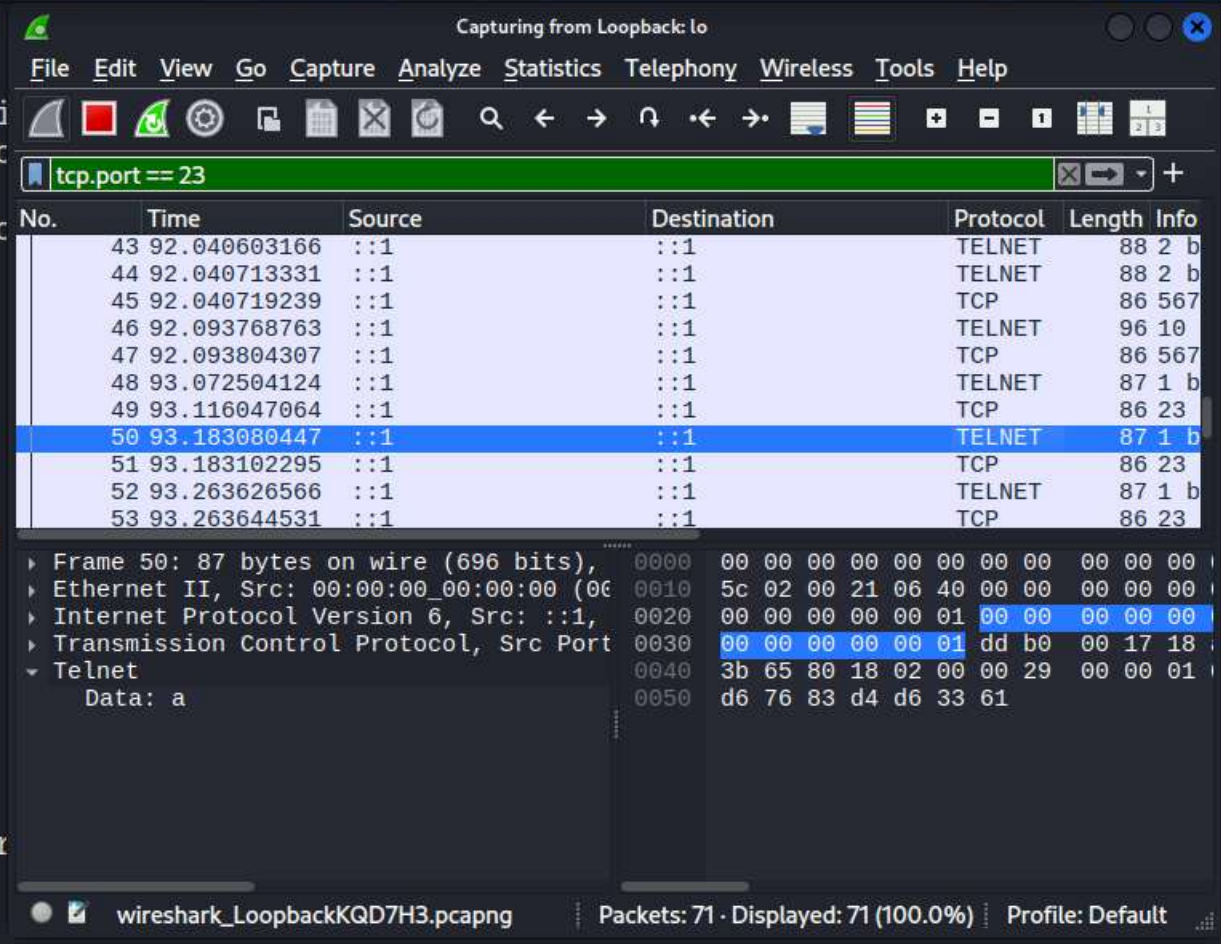
Auto capture keyboard ...

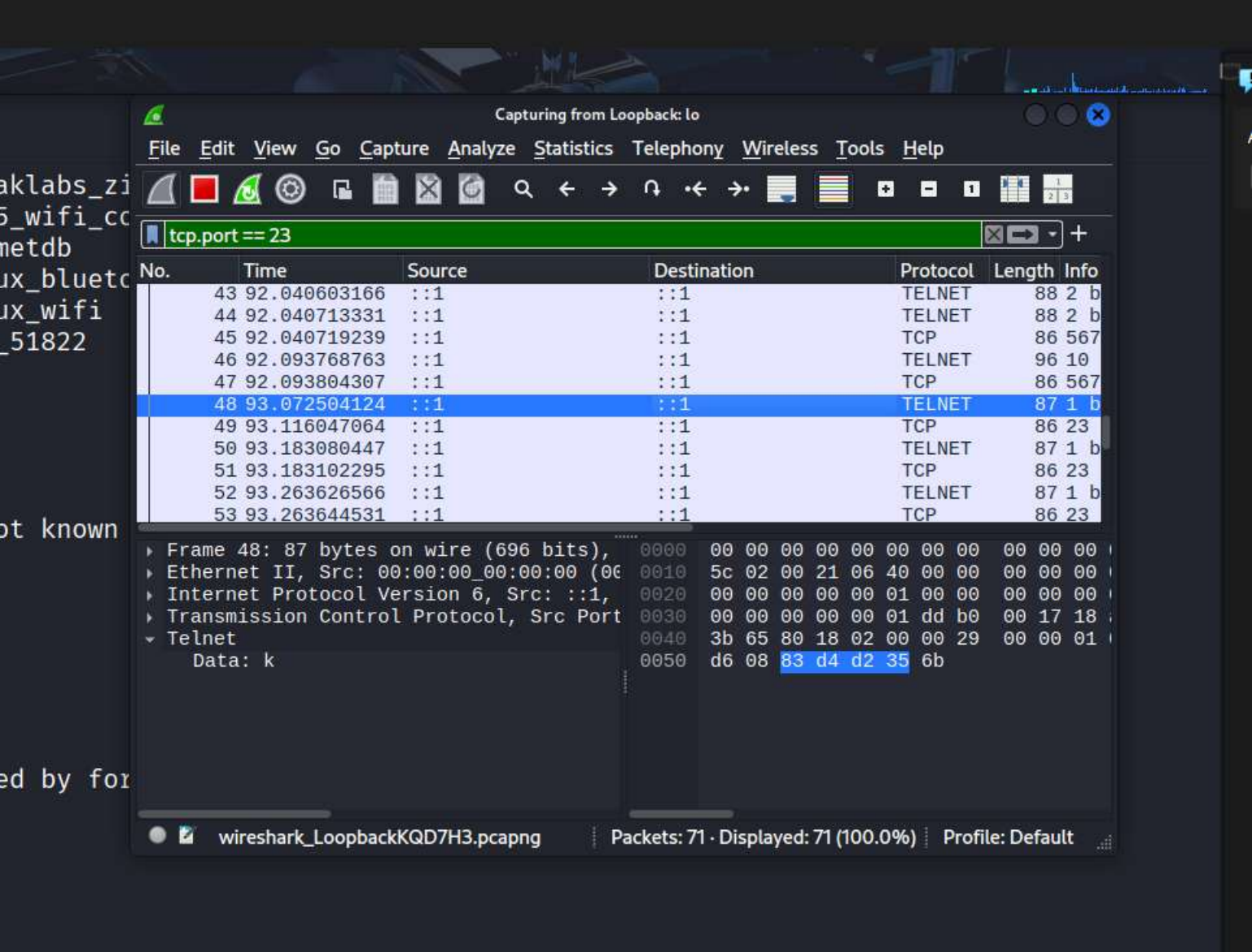
Don't show again

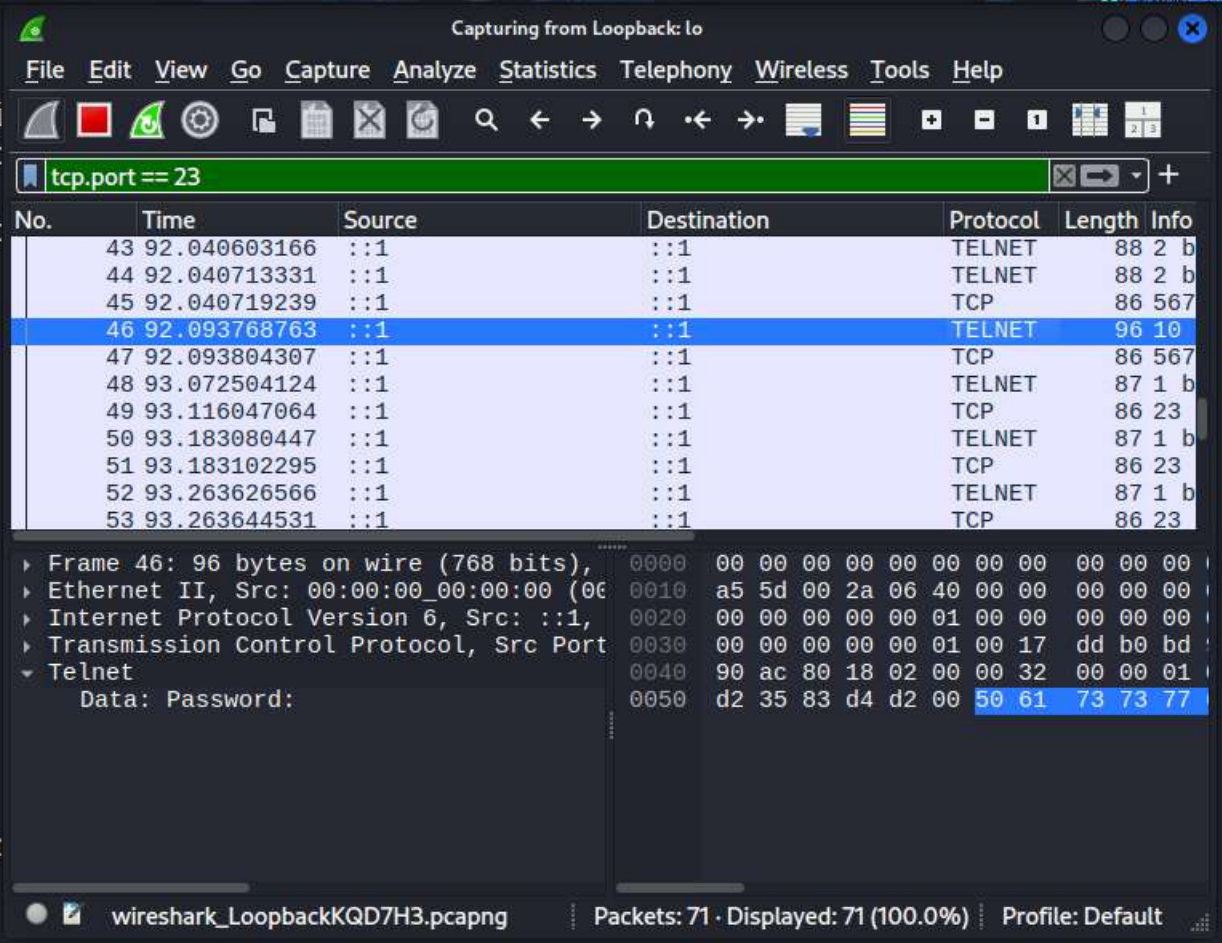

Capturing from Loopback: lo
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp.port == 23
No. Time Source Destination Protocol Length Info
28 89.320080888 ::1 ::1 TCP 86 567
29 89.320102786 ::1 ::1 TELNET 98 12
30 89.320182046 ::1 ::1 TCP 86 567
31 90.780003900 ::1 ::1 TELNET 87 1 b
32 90.780165686 ::1 ::1 TELNET 87 1 b
33 90.780179156 ::1 ::1 TCP 86 567
34 90.869373630 ::1 ::1 TELNET 87 1 b
35 90.869523484 ::1 ::1 TELNET 87 1 b
36 90.869538273 ::1 ::1 TCP 86 567
37 90.954376825 ::1 ::1 TELNET 87 1 b
38 90.954891020 ::1 ::1 TELNET 87 1 b
Frame 31: 87 bytes on wire (696 bits),
Ethernet II, Src: 00:00:00_00:00:00 (0
Internet Protocol Version 6, Src: ::1,
Transmission Control Protocol, Src Port
Telnet
Data: k
0000 00 00 00 00 00 00 00 00 00 00 00
0010 5c 02 00 21 06 40 00 00 00 00 00
0020 00 00 00 00 00 01 00 00 00 00 00
0030 00 00 00 00 00 01 dd b0 00 17 18
0040 3b 55 80 18 02 00 00 29 00 00 01
0050 cd 13 83 d4 c7 5f 6b
wireshark_LoopbackKQD7H3.pcapng
Packets: 71 · Displayed: 71 (100.0%)
Profile: Default


Capturing from Loopback: lo
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp.port == 23
No. Time Source Destination Protocol Length Info
50 93.183080447 ::1 ::1 TELNET 87 1 b
51 93.183102295 ::1 ::1 TCP 86 23
52 93.263626566 ::1 ::1 TELNET 87 1 b
53 93.263644531 ::1 ::1 TCP 86 23
54 93.456637436 ::1 ::1 TELNET 87 1 b
55 93.456664539 ::1 ::1 TCP 86 23
56 94.490628287 ::1 ::1 TELNET 88 2 b
57 94.490656173 ::1 ::1 TCP 86 23
58 94.491794175 ::1 ::1 TELNET 88 2 b
59 94.491817221 ::1 ::1 TCP 86 567
60 94.572526271 ::1 ::1 TELNET 180 94
Frame 54: 87 bytes on wire (696 bits),
Ethernet II, Src: 00:00:00_00:00:00 (0
Internet Protocol Version 6, Src: ::1,
Transmission Control Protocol, Src Port
Telnet
Data: i
0000 00 00 00 00 00 00 00 00 00 00 00
0010 5c 02 00 21 06 40 00 00 00 00 00
0020 00 00 00 00 00 01 00 00 00 00 00
0030 00 00 00 00 00 01 dd b0 00 17 18
0040 3b 65 80 18 02 00 00 29 00 00 01
0050 d7 88 83 d4 d6 c7 69
wireshark_LoopbackKQD7H3.pcapng
Packets: 71 · Displayed: 71 (100.0%)
Profile: Default


Capturing from Loopback: lo
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp.port == 23
No. Time Source Destination Protocol Length Info
50 93.183080447 ::1 ::1 TELNET 87 1 b
51 93.183102295 ::1 ::1 TCP 86 23
52 93.263626566 ::1 ::1 TELNET 87 1 b
53 93.263644531 ::1 ::1 TCP 86 23
54 93.456637436 ::1 ::1 TELNET 87 1 b
55 93.456664539 ::1 ::1 TCP 86 23
56 94.490628287 ::1 ::1 TELNET 88 2 b
57 94.490656173 ::1 ::1 TCP 86 23
58 94.491794175 ::1 ::1 TELNET 88 2 b
59 94.491817221 ::1 ::1 TCP 86 567
60 94.572526271 ::1 ::1 TELNET 180 94
Frame 52: 87 bytes on wire (696 bits),
Ethernet II, Src: 00:00:00_00:00:00 (00
Internet Protocol Version 6, Src: ::1,
Transmission Control Protocol, Src Port
Telnet
Data: l
0000 00 00 00 00 00 00 00 00 00 00 00
0010 5c 02 00 21 06 40 00 00 00 00 00
0020 00 00 00 00 00 01 00 00 00 00 00
0030 00 00 00 00 00 01 dd b0 00 17 18
0040 3b 65 80 18 02 00 00 29 00 00 01
0050 d6 c7 83 d4 d6 76 6c
wireshark_LoopbackKQD7H3.pcapng
Packets: 71 · Displayed: 71 (100.0%)
Profile: Default


Capturing from Loopback: lo
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp.port == 23
No. Time Source Destination Protocol Length Info
43 92.040603166 ::1 ::1 TELNET 88 2 b
44 92.040713331 ::1 ::1 TELNET 88 2 b
45 92.040719239 ::1 ::1 TCP 86 567
46 92.093768763 ::1 ::1 TELNET 96 10
47 92.093804307 ::1 ::1 TCP 86 567
48 93.072504124 ::1 ::1 TELNET 87 1 b
49 93.116047064 ::1 ::1 TCP 86 23
50 93.183080447 ::1 ::1 TELNET 87 1 b
51 93.183102295 ::1 ::1 TCP 86 23
52 93.263626566 ::1 ::1 TELNET 87 1 b
53 93.263644531 ::1 ::1 TCP 86 23
Frame 50: 87 bytes on wire (696 bits),
Ethernet II, Src: 00:00:00_00:00:00 (0
Internet Protocol Version 6, Src: ::1,
Transmission Control Protocol, Src Port
Telnet
Data: a
0000 00 00 00 00 00 00 00 00 00 00 00
0010 5c 02 00 21 06 40 00 00 00 00 00
0020 00 00 00 00 00 01 00 00 00 00 00
0030 00 00 00 00 00 01 dd b0 00 17 18
0040 3b 65 80 18 02 00 00 29 00 00 01
0050 d6 76 83 d4 d6 33 61
wireshark_LoopbackKQD7H3.pcapng
Packets: 71 · Displayed: 71 (100.0%)
Profile: Default


Capturing from Loopback: lo
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp.port == 23
No. Time Source Destination Protocol Length Info
43 92.040603166 ::1 ::1 TELNET 88 2 b
44 92.040713331 ::1 ::1 TELNET 88 2 b
45 92.040719239 ::1 ::1 TCP 86 567
46 92.093768763 ::1 ::1 TELNET 96 10
47 92.093804307 ::1 ::1 TCP 86 567
48 93.072504124 ::1 ::1 TELNET 87 1 b
49 93.116047064 ::1 ::1 TCP 86 23
50 93.183080447 ::1 ::1 TELNET 87 1 b
51 93.183102295 ::1 ::1 TCP 86 23
52 93.263626566 ::1 ::1 TELNET 87 1 b
53 93.263644531 ::1 ::1 TCP 86 23
Frame 48: 87 bytes on wire (696 bits),
Ethernet II, Src: 00:00:00_00:00:00 (00
Internet Protocol Version 6, Src: ::1,
Transmission Control Protocol, Src Port
Telnet
Data: k
0000 00 00 00 00 00 00 00 00 00 00 00
0010 5c 02 00 21 06 40 00 00 00 00 00
0020 00 00 00 00 00 01 00 00 00 00 00
0030 00 00 00 00 00 01 dd b0 00 17 18
0040 3b 65 80 18 02 00 00 29 00 00 01
0050 d6 08 83 d4 d2 35 6b
wireshark_LoopbackKQD7H3.pcapng
Packets: 71 · Displayed: 71 (100.0%)
Profile: Default


Capturing from Loopback: lo
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp.port == 23
No. Time Source Destination Protocol Length Info
43 92.040603166 ::1 ::1 TELNET 88 2 b
44 92.040713331 ::1 ::1 TELNET 88 2 b
45 92.040719239 ::1 ::1 TCP 86 567
46 92.093768763 ::1 ::1 TELNET 96 10
47 92.093804307 ::1 ::1 TCP 86 567
48 93.072504124 ::1 ::1 TELNET 87 1 b
49 93.116047064 ::1 ::1 TCP 86 23
50 93.183080447 ::1 ::1 TELNET 87 1 b
51 93.183102295 ::1 ::1 TCP 86 23
52 93.263626566 ::1 ::1 TELNET 87 1 b
53 93.263644531 ::1 ::1 TCP 86 23
Frame 46: 96 bytes on wire (768 bits),
Ethernet II, Src: 00:00:00_00:00:00 (00
Internet Protocol Version 6, Src: ::1,
Transmission Control Protocol, Src Port
Telnet
Data: Password:
0000 00 00 00 00 00 00 00 00 00 00 00
0010 a5 5d 00 2a 06 40 00 00 00 00 00
0020 00 00 00 00 00 01 00 00 00 00 00
0030 00 00 00 00 00 01 00 17 dd b0 bd
0040 90 ac 80 18 02 00 00 32 00 00 01
0050 d2 35 83 d4 d2 00 50 61 73 73 77
wireshark_LoopbackKQD7H3.pcapng
Packets: 71 · Displayed: 71 (100.0%)
Profile: Default

kali@kali: ~

Session Actions Edit View Help

```
┌──(kali㉿kali)-[~]
└─$ sudo apt install openssh-server
Upgrading:
  openssh-client  openssh-client-gssapi  openssh-server  openssh-sftp-server

Summary:
  Upgrading: 4, Installing: 0, Removing: 0, Not Upgrading: 1434
  Download size: 1,889 kB
  Space needed: 240 kB / 63.5 GB available

Continue? [Y/n] y
Get:1 http://mirrors.esto.network/kali kali-rolling/main amd64 openssh-sftp-server amd64 1:10.2p1-3 [66.4 kB]
Get:2 http://mirrors.esto.network/kali kali-rolling/main amd64 openssh-server amd64 1:10.2p1-3 [624 kB]
Get:3 http://kali.download/kali kali-rolling/main amd64 openssh-client amd64 1:10.2p1-3 [1,029 kB]
Get:4 http://kali.download/kali kali-rolling/main amd64 openssh-client-gssapi all 1:10.2p1-3 [169 kB]
Fetched 1,889 kB in 1s (1,332 kB/s)
Preconfiguring packages ...
(Reading database ... 417239 files and directories currently installed.)
Preparing to unpack .../openssh-sftp-server_1%3a10.2p1-3_amd64.deb ...
Unpacking openssh-sftp-server (1:10.2p1-3) over (1:10.0p1-8) ...
Preparing to unpack .../openssh-server_1%3a10.2p1-3_amd64.deb ...
Unpacking openssh-server (1:10.2p1-3) over (1:10.0p1-8) ...
Preparing to unpack .../openssh-client_1%3a10.2p1-3_amd64.deb ...
Unpacking openssh-client (1:10.2p1-3) over (1:10.0p1-8) ...
Preparing to unpack .../openssh-client-gssapi_1%3a10.2p1-3_all.deb ...
Unpacking openssh-client-gssapi (1:10.2p1-3) over (1:10.0p1-8) ...
Setting up openssh-client (1:10.2p1-3) ...
Installing new version of config file /etc/ssh/ssh_config ...
Setting up openssh-client-gssapi (1:10.2p1-3) ...
Setting up openssh-sftp-server (1:10.2p1-3) ...
Setting up openssh-server (1:10.2p1-3) ...
Installing new version of config file /etc/ssh/moduli ...
ssh.service is a disabled or a static unit not running, not starting it.
```

```
Session  Actions  Edit  View  Help

┌──(kali㉿kali)-[~]
└─$ sudo systemctl start ssh

┌──(kali㉿kali)-[~]
└─$ sudo systemctl enable ssh
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
Created symlink '/etc/systemd/system/sshd.service' → '/usr/lib/systemd/system/ssh.service'.
Created symlink '/etc/systemd/system/multi-user.target.wants/ssh.service' → '/usr/lib/systemd/system/ssh.service'.

┌──(kali㉿kali)-[~]
└─$ sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
     Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: disabled)
     Active: active (running) since Thu 2025-12-25 13:00:18 EST; 57s ago
 Invocation: 2b5b42ee9f3d4dc68dc7132568cb9be5
       Docs: man:sshd(8)
             man:sshd_config(5)
   Main PID: 5956 (sshd)
      Tasks: 1 (limit: 2208)
     Memory: 1.6M (peak: 2M)
        CPU: 31ms
     CGroup: /system.slice/ssh.service
             └─5956 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Dec 25 13:00:18 kali systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Dec 25 13:00:18 kali sshd[5956]: Server listening on 0.0.0.0 port 22.
Dec 25 13:00:18 kali sshd[5956]: Server listening on :: port 22.
Dec 25 13:00:18 kali systemd[1]: Started ssh.service - OpenBSD Secure Shell server.

┌──(kali㉿kali)-[~]
└─$
```

Lightshot
Lightshot
Screenshot is saved to Screenshot_1.png. Click here to open in the folder.

kali-linux-2025.3-virtualbox-amd64 [Running] - Oracle VirtualBox

File Machine View Input Devices Help

1 2 3 4 13:03

Favorites
Recently Used
All Applications
Usual Applications
01 - Reconnaissance
02 - Resource Development
03 - Initial Access
04 - Execution
05 - Persistence
06 - Privilege Escalation
07 - Defense Evasion
08 - Credential Access
09 - Discovery
10 - Lateral Movement
11 - Collection
12 - Command and Control
13 - Exfiltration
14 - Impact
15 - Forensics
16 - Services and Other Tools

Terminal Emulator
Root Terminal Emulator
File Manager
Text Editor
Web Browser
Kali Linux
Kali Tools
Kali Docs
Kali Bugs
OffSec Training
Exploit Database
VulnHub

kali

```
SysV service script
-install enable ssh
d.service' → '/usr/
ti-user.target.want


ver
stem/ssh.service; e
2025-12-25 13:00:18
b9be5
```

Capturing from Loopback: lo

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp.port == 22

No.	Time	Source	Destination	Protocol	Length	Info

wireshark_Loopback8GWOH3.pcapng | No Packets | Profile: Default

```
     CGroup: /system.slice/ssh.service
             └─5956 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Dec 25 13:00:18 kali systemd[1]: Starting ssh.service - OpenBSD Secure Shell server ...
Dec 25 13:00:18 kali sshd[5956]: Server listening on 0.0.0.0 port 22.
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Dec 25 13:00:18 kali systemd[1]: Started ssh.service - OpenBSD Secure Shell server.

┌──(kali㉿kali)-[~]
└─$
```

Right Ctrl

17°C Clear | Search | ENG IN | 23:33 25-12-2025

```
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
Created symlink '/etc/systemd/system/sshd.service' → '/usr/lib/systemd/system/ssh.service'.
Created symlink '/etc/systemd/system/multi-user.target.wants/ssh.service' → '/usr/lib/systemd/system/ssh.service'.

┌──(kali㉿kali)-[~]
└─$ sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
     Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: disabled)
     Active: active (running) since Thu 2025-12-25 13:00:18 EST; 57s ago
 Invocation: 2b5b42ee9f3d4dc68dc7132568cb9be5
       Docs: man:sshd(8)
             man:sshd_config(5)
   Main PID: 5956 (sshd)
      Tasks: 1 (limit: 2208)
     Memory: 1.6M (peak: 2M)
        CPU: 31ms
     CGroup: /system.slice/ssh.service
             └─5956 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Dec 25 13:00:18 kali systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
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Dec 25 13:00:18 kali systemd[1]: Started ssh.service - OpenBSD Secure Shell server.

┌──(kali㉿kali)-[~]
└─$ ssh localhost
The authenticity of host 'localhost (::1)' can't be established.
ED25519 key fingerprint is: SHA256:9I6w0iYi1vaMFSJ86pMZc4lhjVOE3U1MAyiH7MOaFSA
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added 'localhost' (ED25519) to the list of known hosts.
kali@localhost's password:
```

File Machine View Input Devices Help

kali@kali: ~


```
       Docs: man:sshd(8)
             man:sshd_config(5)
   Main PID: 5956 (sshd)
      Tasks: 1 (limit: 2208)
     Memory: 1.6M (peak: 2M)
        CPU: 31ms
     CGroup: /system.slice/ssh.service
             └─5956 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

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```
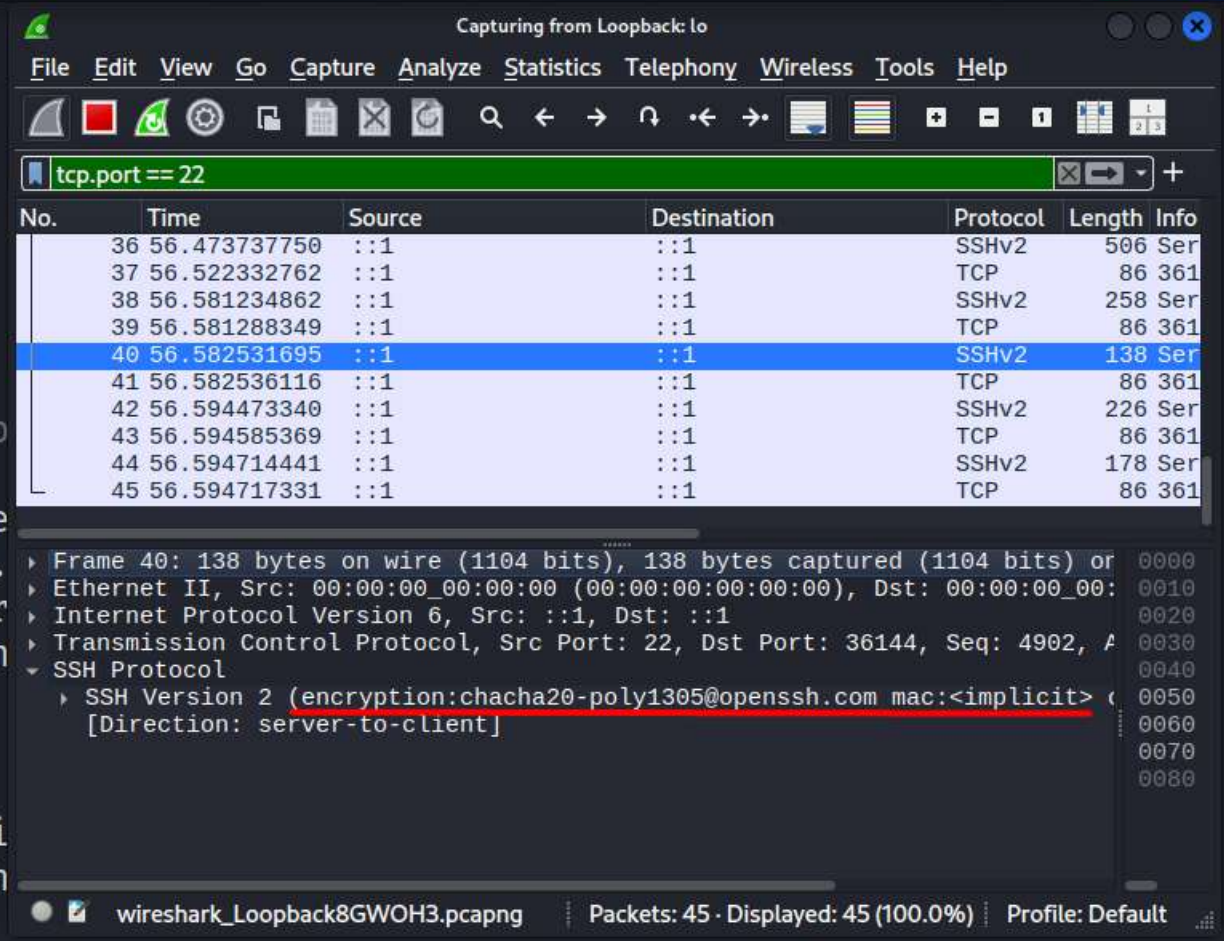

```
┌──(kali㉿kali)-[~]
└─$ ssh localhost
The authenticity of host 'localhost (::1)' can't be established.
ED25519 key fingerprint is: SHA256:9I6w0iYi1vaMFSJ86pMZc4lhjVOE3U1MAyiH7MOaFSA
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added 'localhost' (ED25519) to the list of known hosts.
kali@localhost's password:
Linux kali 6.12.38+kali-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.12.38-1kali1 (2025-08-12) x86_64

The programs included with the Kali GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
┌──(kali㉿kali)-[~]
└─$
```

Right Ctrl



r] 0 o

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0.0.0.

:: por

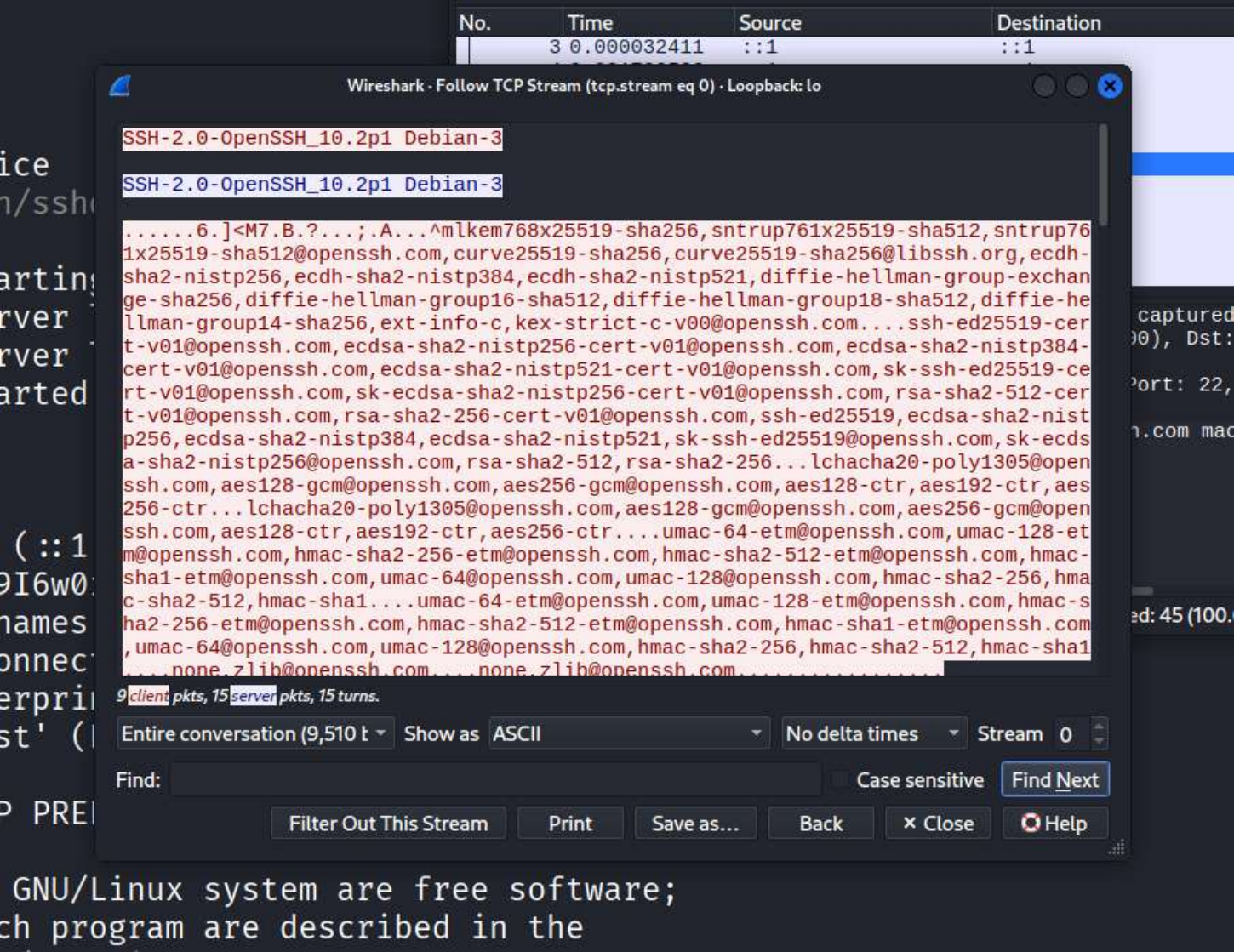
- Open

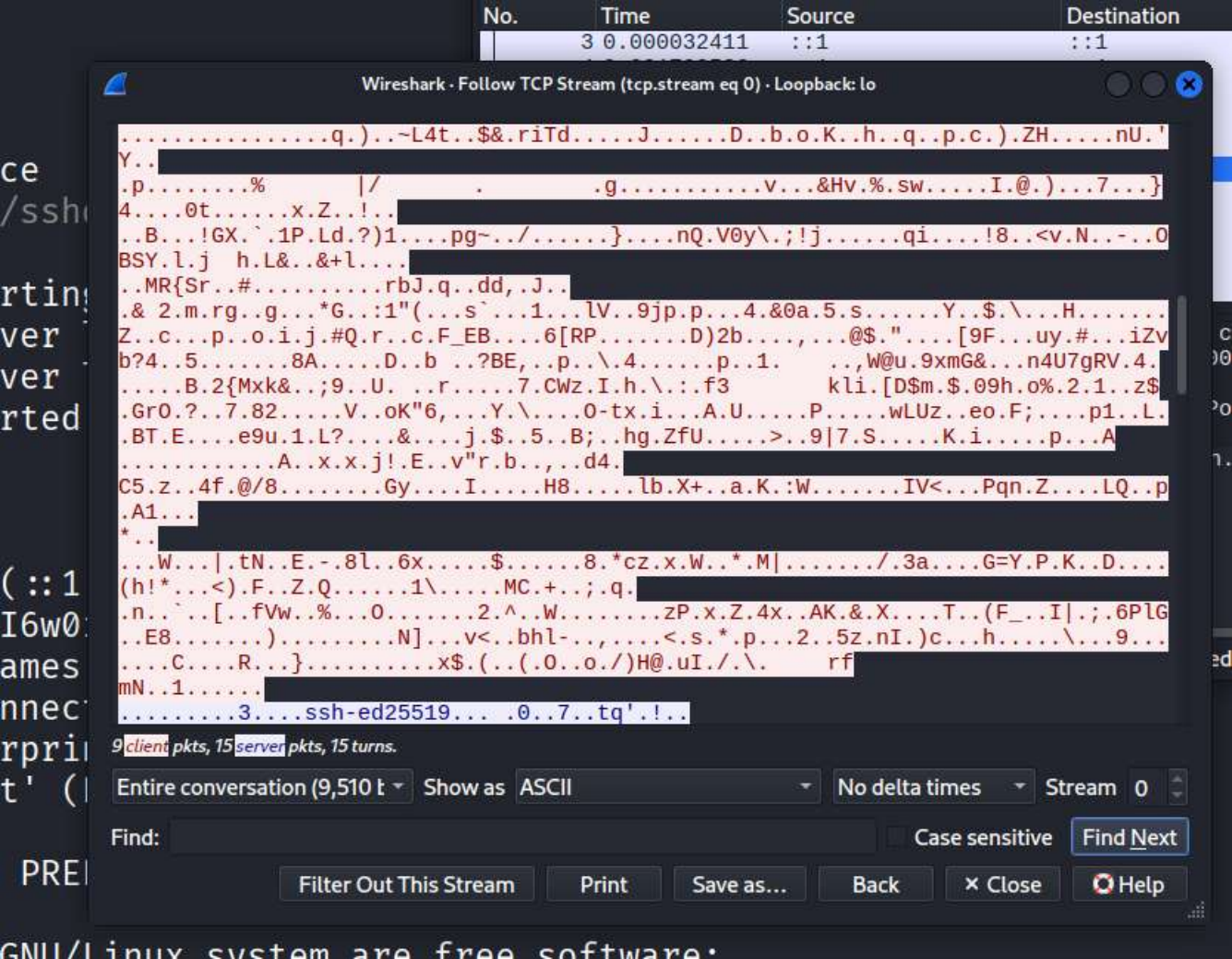
stabli

MZc4lh

[fingerprint])? y

he list of known hosts.


No. Time Source Destination
3 0.000032411 ::1 ::1
Wireshark · Follow TCP Stream (tcp.stream eq 0) · Loopback: lo
SSH-2.0-OpenSSH_10.2p1 Debian-3
SSH-2.0-OpenSSH_10.2p1 Debian-3
.....6.]<M7.B.?...;.A...^mlkem768x25519-sha256,sntrup761x25519-sha512,sntrup761x25519-sha512@openssh.com,curve25519-sha256,curve25519-sha256@libssh.org,ecdh-sha2-nistp256,ecdh-sha2-nistp384,ecdh-sha2-nistp521,diffie-hellman-group-exchange-sha256,diffie-hellman-group16-sha512,diffie-hellman-group18-sha512,diffie-hellman-group14-sha256,ext-info-c,kex-strict-c-v00@openssh.com....ssh-ed25519-cert-v01@openssh.com,ecdsa-sha2-nistp256-cert-v01@openssh.com,ecdsa-sha2-nistp384-cert-v01@openssh.com,ecdsa-sha2-nistp521-cert-v01@openssh.com,sk-ssh-ed25519-cert-v01@openssh.com,sk-ecdsa-sha2-nistp256-cert-v01@openssh.com,rsa-sha2-512-cert-v01@openssh.com,rsa-sha2-256-cert-v01@openssh.com,ssh-ed25519,ecdsa-sha2-nistp256,ecdsa-sha2-nistp384,ecdsa-sha2-nistp521,sk-ssh-ed25519@openssh.com,sk-ecdsa-sha2-nistp256@openssh.com,rsa-sha2-512,rsa-sha2-256...lchacha20-poly1305@openssh.com,aes128-gcm@openssh.com,aes256-gcm@openssh.com,aes128-ctr,aes192-ctr,aes256-ctr...lchacha20-poly1305@openssh.com,aes128-gcm@openssh.com,aes256-gcm@openssh.com,aes128-ctr,aes192-ctr,aes256-ctr....umac-64-etm@openssh.com,umac-128-etm@openssh.com,hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha1-etm@openssh.com,umac-64@openssh.com,umac-128@openssh.com,hmac-sha2-256,hmac-sha2-512,hmac-sha1....umac-64-etm@openssh.com,umac-128-etm@openssh.com,hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha1-etm@openssh.com,umac-64@openssh.com,umac-128@openssh.com,hmac-sha2-256,hmac-sha2-512,hmac-sha1....none,zlib@openssh.com....none,zlib@openssh.com
9 client pkts, 15 server pkts, 15 turns.
Entire conversation (9,510 b
Show as ASCII
No delta times
Stream 0
Find:
Case sensitive
Find Next
Filter Out This Stream
Print
Save as...
Back
× Close
Help
GNU/Linux system are free software;
ch program are described in the

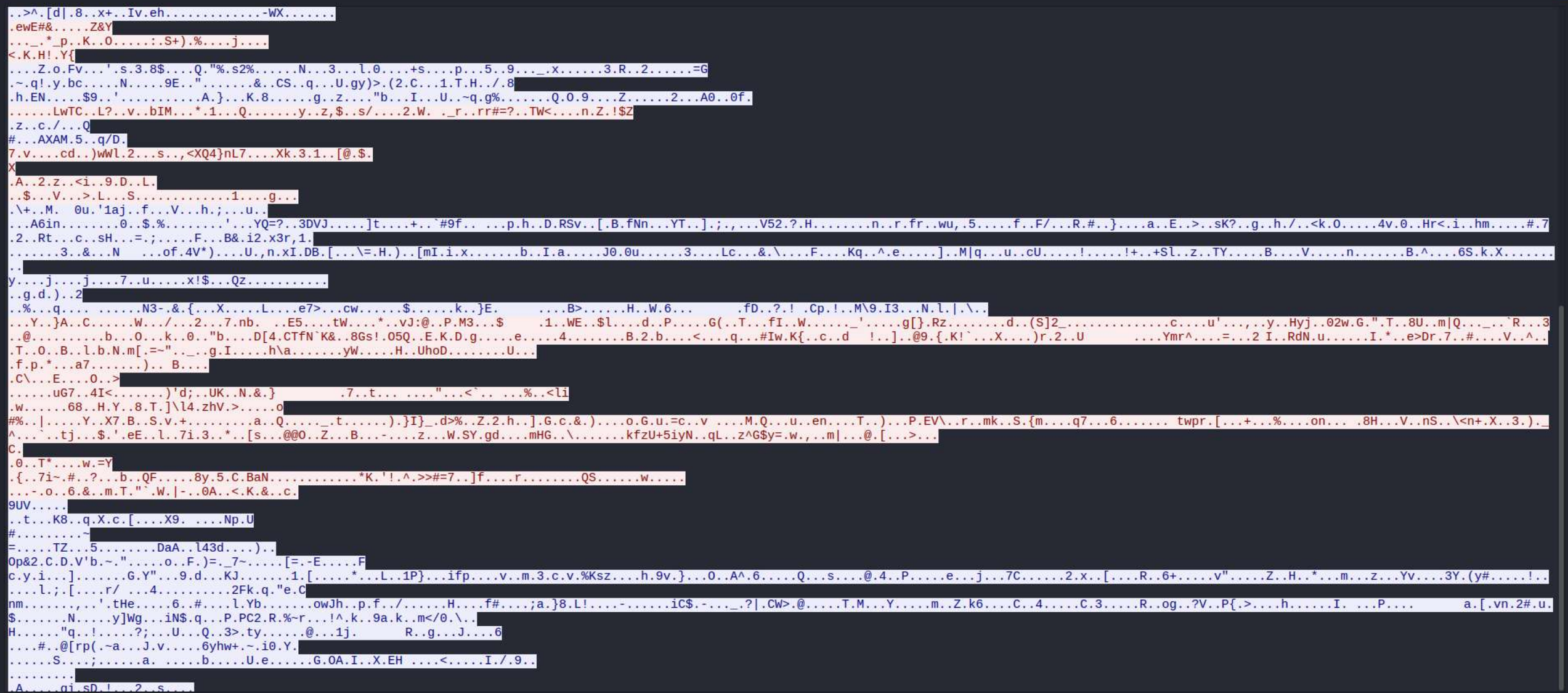

No. Time Source Destination
3 0.000032411 ::1 ::1
Wireshark · Follow TCP Stream (tcp.stream eq 0) · Loopback: lo
.....q.)..~L4t..$&.riTd.....J.....D..b.o.K..h..q..p.c.).ZH.....nU.'
Y..
.p.....% |/ . .g.....v...&Hv.%.sw.....I.@.)...7...}
4....0t.....x.Z..!..
..B...!GX.`.1P.Ld.?)1....pg~../.....}....nQ.V0y\.;!j.....qi....!8..<v.N..-..O
BSY.l.j h.L&..&+l....
..MR{Sr..#.....rbJ.q..dd,.J..
.& 2.m.rg..g...*G..:1"(...s`...1...lV..9jp.p...4.&0a.5.s.....Y..$.\...H.....
Z..c...p..o.i.j.#Q.r..c.F_EB....6[RP.....D)2b....,...@$."....[9F...uy.#...iZv
b?4..5.....8A.....D..b ..?BE,..p..\.4.....p..1. ..,W@u.9xmG&...n4U7gRV.4.
.....B.2{Mxk&..;9..U. ..r.....7.CWz.I.h.\.:.f3 kli.[D$m.$.09h.o%.2.1..z$
.GrO.?..7.82.....V..oK"6,...Y.\....O-tx.i...A.U.....P.....wLUz..eo.F;....p1..L.
.BT.E....e9u.1.L?....&....j.$..5..B;..hg.ZfU.....>..9|7.S.....K.i.....p...A
.....A..x.x.j!.E..v"r.b..,..d4.
C5.z..4f.@/8.....Gy....I.....H8.....lb.X+..a.K.:W.....IV<...Pqn.Z....LQ..p
.A1...
*..
...W...|.tN..E.-.8l..6x.....$.....8.*cz.x.W..*.M|...../.3a....G=Y.P.K..D....
(h!*...<).F..Z.Q.....1\.....MC.+..;.q.
.n..`..[..fVw..%...O.....2.^..W.....zP.x.Z.4x..AK.&.X....T..(F_..I|.;.6PlG
..E8.....).....N]...v<..bhl-..,....<.s.*.p...2..5z.nI.)c...h.....\...9...
....C....R...}.....x$.(..(.O..o./)H@.uI./.\. rf
mN..1.....
.....3....ssh-ed25519... .0..7..tq'.!..
9 client pkts, 15 server pkts, 15 turns.
Entire conversation (9,510 t
Show as
ASCII
No delta times
Stream
0
Find:
Case sensitive
Find Next
Filter Out This Stream
Print
Save as...
Back
× Close
Help

kali-linux-2025.3-virtualbox-amd64 [Running] - Oracle VirtualBox

File Machine View Input Devices Help

1 2 3 4 13:08

Wireshark · Follow TCP Stream (tcp.stream eq 0) · Loopback: lo



9 client pkts, 15 server pkts, 15 turns.

Entire conversation (9,510 bytes) Show as ASCII No delta times Stream 0

Find: Case sensitive Find Next

Filter Out This Stream Print Save as... Back × Close Help

Right Ctrl

Air: Poor Tomorrow Search ENG IN 23:38 25-12-2025