```
root@ubuntu-vdk-bur:~# nc -vn 104.248.150.103 7777
Connection to 104.248.150.103 7777 port [tcp/*] succeeded!
Hi
Hello
Success!
Bye-Bye!
^C
root@ubuntu-vdk-bur:~# nc -vn 104.248.150.103 7777
nc: connect to 104.248.150.103 port 7777 (tcp) failed: Connection refused
root@ubuntu-vdk-bur:~# nc -vn 104.248.150.103 7777
Connection to 104.248.150.103 7777 port [tcp/*] succeeded!
^C
root@ubuntu-vdk-bur:~# nc -lp 7777
^C
root@ubuntu-vdk-bur:~# ufw status
Status: active

To                         Action      From
--                         ------      ----
OpenSSH                    ALLOW       Anywhere
Apache                     ALLOW       Anywhere
OpenSSH (v6)               ALLOW       Anywhere (v6)
Apache (v6)                ALLOW       Anywhere (v6)

root@ubuntu-vdk-bur:~# ufw allow from 104.248.150.103
Rule added
root@ubuntu-vdk-bur:~# nc -lp 7777
Hi!
Hello;)
WHo is it?
Anybody?
owowowowowowowowowowowowowowoowoIt is IIt is Matvey
Ok
Bye!
^C
root@ubuntu-vdk-bur:~#
```

```
root@ubuntu-vdk-bur:~# wget -O smth 104.248.150.103:8000
--2021-10-07 06:03:16--  http://104.248.150.103:8000/
Connecting to 104.248.150.103:8000... connected.
HTTP request sent, awaiting response... 200 No headers, assuming HTTP/0.9
Length: unspecified
Saving to: 'smth'

smth                                    [                      <=>
smth                        [                   <=>        ]           4   --.-KB/s
smth                        [                   <=>        ]           4   --.-KB/s
C
root@ubuntu-vdk-bur:~# nc -lp 8000
GET / HTTP/1.1
User-Agent: Wget/1.20.3 (linux-gnu)
Accept: */*
Accept-Encoding: identity
Host: 161.35.69.228:8000
Connection: Keep-Alive

Hello!
^C
```

```
root@ubuntu-vdk-bur:~# curl 104.248.150.103:8000
curl: (1) Received HTTP/0.9 when not allowed

root@ubuntu-vdk-bur:~# nc -lp 8000
Hello!
GET / HTTP/1.1
Host: 161.35.69.228:8000
User-Agent: curl/7.68.0
Accept: */*

root@ubuntu-vdk-bur:~#
```

```
root@ubuntu-vdk-bur:~# telnet 104.248.150.103 8000
Trying 104.248.150.103...
Connected to 104.248.150.103.
Escape character is '^]'.
Hello again
Hi!
How are you&
Perfect
And you?
I know, you are great
I'm good
Fine, Bye!
^]
telnet> ^C^C
^CHow to exit?(
^]
telnet> ^]^]^C^[
?Invalid command
telnet> exit
?Invalid command
telnet> ^[
?Invalid command
telnet> ^]
?Invalid command
telnet>quit
?Invalid command
telnet> quit
Connection closed.
root@ubuntu-vdk-bur:~# nc -lp 8000
Hey!
Are you again there?!
Please, go out!
GoodbyeOkey

root@ubuntu-vdk-bur:~#
```

```
root@ubuntu-vdk-bur:~# ip -br a show
lo                 UNKNOWN          127.0.0.1/8 ::1/128
eth0               UP               161.35.69.228/20 10.19.0.5/16 fe80::b0d4:53ff:
fed9:bd49/64
eth1               UP               10.114.0.2/20 fe80::6066:1aff:fe92:7927/64
root@ubuntu-vdk-bur:~# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 161.35.69.228  netmask 255.255.240.0  broadcast 161.35.79.255
        inet6 fe80::b0d4:53ff:fed9:bd49  prefixlen 64  scopeid 0x20<link>
        ether b2:d4:53:d9:bd:49  txqueuelen 1000  (Ethernet)
        RX packets 1132740  bytes 614711553 (614.7 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1246095  bytes 195957818 (195.9 MB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.114.0.2  netmask 255.255.240.0  broadcast 10.114.15.255
        inet6 fe80::6066:1aff:fe92:7927  prefixlen 64  scopeid 0x20<link>
        ether 62:66:1a:92:79:27  txqueuelen 1000  (Ethernet)
        RX packets 509  bytes 35706 (35.7 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 531  bytes 37306 (37.3 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 4591  bytes 477042 (477.0 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 4591  bytes 477042 (477.0 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

```
root@ubuntu-vdk-bur:~# traceroute dvfu.ru
traceroute to dvfu.ru (62.76.6.35), 30 hops max, 60 byte packets
 1  * * *
 2  10.68.132.3 (10.68.132.3)  0.830 ms 10.68.130.39 (10.68.130.39)  1.010 ms
10.68.131.29 (10.68.131.29)  0.994 ms
 3  138.197.249.52 (138.197.249.52)  1.562 ms 138.197.249.58 (138.197.249.58)
 1.234 ms 138.197.249.62 (138.197.249.62)  3.088 ms
 4  138.197.250.143 (138.197.250.143)  0.768 ms 138.197.250.139 (138.197.250.1
39)  1.008 ms  0.736 ms
 5  frkt-ar2.intl.ip.rostelecom.ru (80.81.194.31)  1.539 ms  1.523 ms  1.507 m
s
 6  95.167.37.37 (95.167.37.37)  153.610 ms 188.254.25.73 (188.254.25.73)  164
.531 ms  163.857 ms
 7  87.226.142.58 (87.226.142.58)  163.571 ms 212.122.0.41 (212.122.0.41)  153
.705 ms  159.774 ms
 8  * * *
 9  * * *
10  212.122.5.226 (212.122.5.226)  162.232 ms  163.281 ms  160.120 ms
11  * * *
12  * * *
13  * * *
14  * * *
15  * * *
16  * * *
17  * * *
18  * * *
19  * * *
20  *^C
```

```
root@ubuntu-vdk-bur:~# dig dvfu.ru short MX

; <<>> DiG 9.16.1-Ubuntu <<>> dvfu.ru short MX
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 26821
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;dvfu.ru.                        IN      A

;; ANSWER SECTION:
dvfu.ru.                7089    IN      A       62.76.6.35

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Thu Oct 07 06:22:27 UTC 2021
;; MSG SIZE  rcvd: 52

;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 44498
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;short.                          IN      MX

;; Query time: 48 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Thu Oct 07 06:22:27 UTC 2021
;; MSG SIZE  rcvd: 34
```

```
root@ubuntu-vdk-bur:~# dig dvfu.ru short MS

; <<>> DiG 9.16.1-Ubuntu <<>> dvfu.ru short MS
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 431
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;dvfu.ru.                        IN      A

;; ANSWER SECTION:
dvfu.ru.                6982    IN      A       62.76.6.35

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Thu Oct 07 06:24:15 UTC 2021
;; MSG SIZE  rcvd: 52

;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: SERVFAIL, id: 39998
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;short.                          IN      A

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Thu Oct 07 06:24:15 UTC 2021
;; MSG SIZE  rcvd: 34

;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: SERVFAIL, id: 2430
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;MS.                             IN      A

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Thu Oct 07 06:24:15 UTC 2021
;; MSG SIZE  rcvd: 31
```

```
root@ubuntu-vdk-bur:~# dig dvfu.ru short MX

; <<>> DiG 9.16.1-Ubuntu <<>> dvfu.ru short MX
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 43211
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;dvfu.ru.                        IN      A

;; ANSWER SECTION:
dvfu.ru.                6843    IN      A       62.76.6.35

;; Query time: 4 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Thu Oct 07 06:26:33 UTC 2021
;; MSG SIZE  rcvd: 52

;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 27587
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;short.                          IN      MX

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Thu Oct 07 06:26:33 UTC 2021
;; MSG SIZE  rcvd: 34

Non-authoritative answer:
dvfu.ru mail exchanger = 0 dvfu-ru.mail.protection.outlook.com.

Authoritative answers can be found from:
```