Olaru Gabriel Iulian 334CC lab 11 RL

Ex1:

```
root@host:/home/student# dig +short myip.opendns.com @resolver1.opendns.com
141.85.241.165
root@host:/home/student# []
```

Ex2:

```
root@host:/home/student# whois 141.85.241.165
% This is the RIPE Database query service.
% The objects are in RPSL format.
  The RIPE Database is subject to Terms and Conditions.
  See http://www.ripe.net/db/support/db-terms-conditions.pdf
  Note: this output has been filtered.
         To receive output for a database update, use the "-B" flag.
% Information related to '141.85.0.0 - 141.85.255.255'
% No abuse contact registered for 141.85.0.0 - 141.85.255.255
                 141.85.0.0 - 141.85.255.255
inetnum:
netname:
                  PUB-NET
                  ORG-PUB1-RIPE
org:
country:
admin-c:
                  MB6037-RIPE
tech-c:
                  GB6367-RIPE
status:
                  LEGACY
mnt-by:
                  RIPE-NCC-LEGACY-MNT
mnt-by:
                  PUB-MNT
mnt-routes:
                  PUB-MNT
mnt-lower:
                  PUB-MNT
created:
                  2001-10-28T21:09:38Z
last-modified: 2016-04-14T09:59:36Z
source: RIPE # Filtered
sponsoring-org: ORG-RA17-RIPE
organisation:
                 ORG-PUB1-RIPE
                  Politehnica University of Bucharest
org-name:
org-type:
                  OTHER
                  Splaiul Independentei 313
address:
                  060042 Bucharest
address:
address:
                  Romania
phone:
                  +40214029465
mnt-ref:
                  ROEDUNET-MNT
mnt-by:
                  ROEDUNET-MNT
                  2015-04-24T13:05:49Z
created:
last-modified: 2015-04-26T08:02:06Z
                  RIPE # Filtered
source:
                 George BOULESCU
RoEduNet, Bucharest NOC
313 Splaiul Independentei,
person:
address:
address:
                 "Rectorat" Building, R506-507,
sector 6, Bucharest
ROMANIA
address:
address:
address:
                  +40-21-3171175
+40-21-3171175
phone:
fax-no:
                  GB6367-RIPE
nic-hdl:
mnt-by:
                  PUB-MNT
created:
                  1970-01-01T00:00:00Z
last-modified: 2008-05-23T16:37:39Z
source:
                  RIPE # Filtered
```

Ex3:

```
root@host:/home/student# nmap -sn -oN nmap scan 141.85.0.0/20
Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:01 UTC
Stats: 0:00:47 elapsed; 0 hosts completed (0 up), 4096 undergoing Ping Scan
Ping Scan Timing: About 72.10% done; ETC: 20:02 (0:00:18 remaining)
Stats: 0:00:47 elapsed; 0 hosts completed (0 up), 4096 undergoing Ping Scan
Ping Scan Timing: About 72.33% done; ETC: 20:02 (0:00:18 remaining)
Stats: 0:00:47 elapsed; 0 hosts completed (0 up), 4096 undergoing Ping Scan
Ping Scan Timing: About 72.45% done; ETC: 20:02 (0:00:18 remaining)
Stats: 0:00:47 elapsed; 0 hosts completed (0 up), 4096 undergoing Ping Scan
Ping Scan Timing: About 72.53% done; ETC: 20:02 (0:00:18 remaining)
Stats: 0:00:48 elapsed; 0 hosts completed (0 up), 4096 undergoing Ping Scan Ping Scan Timing: About 72.68% done; ETC: 20:02 (0:00:18 remaining) Stats: 0:00:50 elapsed; 0 hosts completed (0 up), 4096 undergoing Ping Scan Ping Scan Timing: About 73.90% done; ETC: 20:02 (0:00:18 remaining)
Stats: 0:00:50 elapsed; 0 hosts completed (0 up), 4096 undergoing Ping Scan Ping Scan Timing: About 74.04% done; ETC: 20:02 (0:00:18 remaining)
Stats: 0:00:50 elapsed; 0 hosts completed (0 up), 4096 undergoing Ping Scan
Ping Scan Timing: About 74.16% done; ETC: 20:02 (0:00:18 remaining)
Stats: 0:00:50 elapsed; 0 hosts completed (0 up), 4096 undergoing Ping Scan
Ping Scan Timing: About 74.27% done; ETC: 20:02 (0:00:18 remaining)
Nmap scan report for r-c3550-l3-vlan11.bucharest.roedu.net (141.85.0.65)
Host is up (0.0034s latency).
Nmap scan report for nsl.eregie.pub.ro (141.85.0.81)
Host is up (0.00097s latency)
Nmap scan report for ns2.eregie.pub.ro (141.85.0.82)
Host is up (0.0041s latency).
Nmap scan report for e87.eregie.pub.ro (141.85.0.87)
Host is up (0.0020s latency).
Nmap scan report for e88.eregie.pub.ro (141.85.0.88)
Host is up (0.0012s latency).
Nmap scan report for e90.eregie.pub.ro (141.85.0.90)
Host is up (0.0020s latency).
```

Ex4:

```
oot@host:/home/student# nmap -sS -p 21,22,23,25,53,80,138,443,8000,8080 hermes.codacloud.net
Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:04 UTC
Nmap scan report for hermes.codacloud.net (54.203.160.58)
Host is up (0.20s latency).
rDNS record for 54.203.160.58: ec2-54-203-160-58.us-west-2.compute.amazonaws.com
           STATE
21/tcp
           open
22/tcp
            filtered ssh
23/tcp
25/tcp
            filtered telnet
           closed smtp
53/tcp
           open
                       domain
80/tcp
           open
                       http
138/tcp filtered netbios-dgm
 443/tcp closed https
 8000/tcp filtered http-alt
 8080/tcp open
                      http-proxy
Nmap done: 1 IP address (1 host up) scanned in 2.46 seconds
 root@host:/home/student# nmap -sS -p 21,22,23,25,53,80,138,443,8000,8080 hefaistos.codacloud.net
Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:05 UTC
Nmap scan report for hefaistos.codacloud.net (52.88.224.163)
Host is up (0.20s latency).
 rDNS record for 52.88.224.163: ec2-52-88-224-163.us-west-2.compute.amazonaws.com
21/tcp
22/tcp
23/tcp
            filtered ftp
            filtered ssh
            filtered telnet
25/tcp
25/tcp
53/tcp
           filtered smtp
           filtered domain
           filtered http
80/tcp
138/tcp filtered netbios-dgm
 443/tcp filtered https
 8000/tcp filtered http-alt
 8080/tcp filtered http-proxy
Nmap done: 1 IP address (\underline{1} host up) scanned in 3.41 seconds
 root@host:/home/student#
```

Ex5:

```
root@host:/home/student# nmap -sU -p 53,123,139,161,444,500,4567,5353,45320,51413,60202 hermes.codacloud.net
Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:05 UTC
Nmap scan report for hermes.codacloud.net (54.203.160.58)
Host is up (0.20s latency).
rDNS record for 54.203.160.58: ec2-54-203-160-58.us-west-2.compute.amazonaws.com
PORT
              STATE
                                   SERVICE
                                  domain
53/udp
              open
123/udp open|filtered ntp
139/udp open filtered netbios-ssn
161/udp open|filtered snmp
444/udp open|filtered snpp
500/udp open|filtered isakmp
4567/udp open|filtered tram
5353/udp open|filtered zeroconf
45320/udp open|filtered unknown
51413/udp open|filtered unknown
60202/udp open|filtered unknown
Nmap done: 1 IP address (1 host up) scanned in 3.19 seconds
root@host:/home/student# nmap -sU -p 53,123,139,161,444,500,4567,5353,45320,51413,60202 hermes.codacloud.net
Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:05 UTC
Nmap scan report for hermes.codacloud.net (54.203.160.58)
Host is up (0.20s latency).
rDNS record for 54.203.160.58: ec2-54-203-160-58.us-west-2.compute.amazonaws.com
PORT
              STATE
                                   SERVICE
53/udp
              open
                                  domain
123/udp open|filtered ntp
139/udp open|filtered netbios-ssn
139/udp open|filtered netbios-s

161/udp open|filtered snmp

444/udp open|filtered snpp

500/udp open|filtered isakmp

4567/udp open|filtered tram

5353/udp open|filtered unknown
51413/udp open|filtered unknown
60202/udp open|filtered unknown
Nmap done: 1 IP address (1 host up) scanned in 3.20 seconds root@host:/home/student# \Box
```

Ex6:

```
root@host:/home/student# nmap -sV --version-intensity 5 -n -Pn -v -p 21,22,23,25,53,80,138,443,8000,8080 hermes.codacloud.net
Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:06 UTC
NSE: Loaded 42 scripts for scanning.
Initiating SYN Stealth Scan at 20:06
Scanning hermes.codacloud.net (54.203.160.58) [10 ports]
Discovered open port 53/tcp on 54.203.160.58
Discovered open port 21/tcp on 54.203.160.58
Discovered open port 80/tcp on 54.203.160.58
Discovered open port 8080/tcp on 54.203.160.58
Completed SYN Stealth Search 21.20.26.3.046.0158
 Completed SYN Stealth Scan at 20:06, 2.04s elapsed (10 total ports)
Initiating Service scan at 20:06
Scanning 4 services on hermes.codacloud.net (54.203.160.58)
Completed Service scan at 20:06, 11.61s elapsed (4 services on 1 host)
NSE: Script scanning 54.203.160.58.
Initiating NSE at 20:06
Completed NSE at 20:06, 0.04s elapsed
Initiating NSE at 20:06
Completed NSE at 20:06, 0.00s elapsed
Nmap scan report for hermes.codacloud.net (54.203.160.58)
 Host is up (0.20s latency).
 PORT
                STATE
                                SERVICE
                                                     VERSION
               open ftp
filtered ssh
filtered telnet
                                                     ACLogic CesarFTPd 0.99g
21/tcp
22/tcp
23/tcp
25/tcp
               closed smtp
 53/tcp
                                domain
               open
                                                     Apache httpd 2.4.7 ((Ubuntu))
 80/tcp
               open
138/tcp filtered netbios-dgm
443/tcp closed https
8000/tcp filtered http-alt
                                                     Apache httpd 2.4.38 ((Ubuntu))
 8080/tcp open
 Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
 Read data files from: /usr/bin/../share/nmap
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 15.07 seconds
Raw packets sent: 15 (660B) | Rcvd: 7 (296B)
```

```
root@host:/home/student# nmap -sV --version-intensity 5 -n -Pn -v -p 21,22,23,25,53,80,138,443,8000,8080 hefaistos.codacloud.net
Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:06 UTC
NSE: Loaded 42 scripts for scanning.
Initiating SYN Stealth Scan at 20:06
Initiating SYN Steatth Scan at 20:00
Scanning hefaistos.codacloud.net (52.88.224.163) [10 ports]
Completed SYN Stealth Scan at 20:07, 3.01s elapsed (10 total ports)
Initiating Service scan at 20:07
NSE: Script scanning 52.88.224.163.
Initiating NSE at 20:07
Completed NSE at 20:07, 0.00s elapsed
Initiating NSE at 20:07
Completed NSE at 20:07, 0.00s elapsed
Nmap scan report for hefaistos.codacloud.net (52.88.224.163)
 Host is up.
PORT
                STATE
                               SERVICE
                                                     VERSION
21/tcp
                filtered ftp
22/tcp
               filtered ssh
23/tcp
                filtered telnet
25/tcp
                filtered smtp
53/tcp
                filtered domain
 80/tcp
                filtered http
138/tcp filtered netbios-dgm
443/tcp filtered https
8000/tcp filtered http-alt
 8080/tcp filtered http-proxy
 Read data files from: /usr/bin/../share/nmap
Nead Gata Files From. /dsf/bil/../shale/immap
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 3.78 seconds
Raw packets sent: 20 (880B) | Rcvd: 0 (0B)
root@host:/home/student# |
```

```
root@host:/home/studentw nmap -sV --version-intensity 5 -n -Pn -v -p 53,123,139,161,444,560,4567,5353,45320,51413,60202 hefaistos.codacloud.net
Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:08 UTC
NSE: Loaded 42 scripts for scanning.
Initiating SYN Stealth Scan at 20:08
Scanning hefaistos.codacloud.net (52.88.224.163) [11 ports]
Completed SYN Stealth Scan at 20:08, 5.01s elapsed (11 total ports)
Initiating Service scan at 20:08
NSE: Script scanning 52.88.224.163.
Initiating NSE at 20:08, 0.00s elapsed
Completed NSE at 20:08, 0.00s elapsed
Completed NSE at 20:08, 0.00s elapsed
Completed NSE at 20:08, 0.00s elapsed
Namap scan report for hefaistos.codacloud.net (52.88.224.163)
Host is up.

PORT STATE SERVICE VERSION
53/tcp filtered domain
123/tcp filtered domain
123/tcp filtered snmp
44/tcp filtered snmp
5407/tcp filtered snmp
5407/tcp filtered isskmp
4507/tcp filtered isskmp
4507/tcp filtered isskmp
4507/tcp filtered unknowm
5353/tcp filtered unknowm
60202/tcp filtered vunknowm
60202/tcp filtered vunknowm
60202/tcp filtered scanner
60202/tcp filtered vunknowm
60202/tcp filtered vunknowm
60202/tcp filtered scanner
60202/tcp filtered vunknowm
60202/tcp fil
```

Ex7:

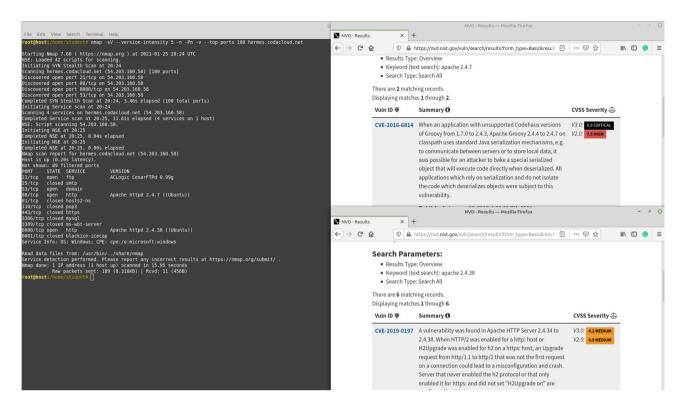
```
root@host:/home/student# nmap -sV --version-intensity 5 -n -Pn -v --top-ports 100 hermes.codacloud.net
Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:10 UTC
NSE: Loaded 42 scripts for scanning.
Initiating SYN Stealth Scan at 20:10
Scanning hermes.codacloud.net (54.203.160.58) [100 ports]
Discovered open port 21/tcp on 54.203.160.58
Discovered open port 8080/tcp on 54.203.160.58
Discovered open port 53/tcp on 54.203.160.58
Discovered open port 80/tcp on 54.203.160.58
Completed SYN Stealth Scan at 20:10, 12.30s elapsed (100 total ports)
Initiating Service scan at 20:10
Scanning 4 services on hermes.codacloud.net (54.203.160.58)
Completed Service scan at 20:10, 11.61s elapsed (4 services on 1 host)
NSE: Script scanning 54.203.160.58.
Initiating NSE at 20:10
Completed NSE at 20:10, 0.05s elapsed
Initiating NSE at 20:10
Completed NSE at 20:10, 0.00s elapsed
Nmap scan report for hermes.codacloud.net (54.203.160.58)
Host is up (0.20s latency).
Not shown: 89 filtered ports
PORT
        STATE SERVICE
                                VERSTON
21/tcp
        open ftp
                                ACLogic CesarFTPd 0.99g
25/tcp
        closed smtp
53/tcp
               domain
        open
                                Apache httpd 2.4.7 ((Ubuntu))
               http
80/tcp
        open
        closed hosts2-ns
81/tcp
110/tcp closed pop3
443/tcp closed https
3306/tcp closed mysql
3389/tcp closed ms-wbt-server
                                Apache httpd 2.4.38 ((Ubuntu))
8080/tcp open http
8081/tcp closed blackice-icecap
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Read data files from: /usr/bin/../share/nmap
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 24.83 seconds
          Raw packets sent: 378 (16.632KB) | Rcvd: 22 (900B)
```

Ex8: (nu l-am lasat pana la capat...)

```
root@host:/home/student# nmap -A --osscan-guess hermes.codacloud.net

Starting Nmap 7.60 ( https://nmap.org ) at 2021-01-25 20:11 UTC
Stats: 0:00:07 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 8.23% done; ETC: 20:12 (0:01:07 remaining)
Stats: 0:00:08 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 8.90% done; ETC: 20:12 (0:01:01 remaining)
Stats: 0:00:08 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 9.40% done; ETC: 20:12 (0:00:58 remaining)
Stats: 0:00:08 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 9.90% done; ETC: 20:12 (0:01:04 remaining)
Stats: 0:00:08 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 10.40% done; ETC: 20:12 (0:01:00 remaining)
Stats: 0:00:08 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 10.43% done; ETC: 20:12 (0:01:00 remaining)
Stats: 0:00:09 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 11.40% done; ETC: 20:12 (0:00:54 remaining)
Stats: 0:00:09 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 11.87% done; ETC: 20:12 (0:00:59 remaining)
Stats: 0:00:09 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 11.87% done; ETC: 20:12 (0:00:59 remaining)
Stats: 0:00:18 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 11.87% done; ETC: 20:12 (0:00:59 remaining)
Stats: 0:00:12 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 16.77% done; ETC: 20:12 (0:00:59 remaining)
Stats: 0:00:12 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 14.47% done; ETC: 20:10 (0:04:47 remaining)
```

Ex9:



Ex10:

```
root@host:/home/student# /etc/init.d/apache2 status

a pache2.service - The Apache HTTP Server
Loaded: loaded //lib/systemd/system/apache2.service; enabled; vendor preset: enabled)

Drop-In: /lib/system/system/apache2.service.d

__apache2.-system/system/apache2.service.d

__apache2.-system/system/apache2.service.d

__apache2.-system/system/apache2.service.d

__apache2.-system/system/apache2.service.d

__apache2.system/siter/apache2.service.d

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