

- Using **nmap <ip address>** command

```
ryan@ryan-Inspiron-5402:~$ nmap 8.8.4.4
Starting Nmap 7.80 ( https://nmap.org ) at 2022-10-11 10:48 IST
Nmap scan report for dns.google (8.8.4.4)
Host is up (0.0080s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
443/tcp   open  https

Nmap done: 1 IP address (1 host up) scanned in 3.99 seconds
ryan@ryan-Inspiron-5402:~$
```

- Nmap Output

Scan Tools Profile Help

Target: 8.8.4.4

Command: nmap -T4 -A -v 8.8.4.4

Profile: intense scan

Hosts Services

OS Host

dns.google

Nmap Output Ports/Hosts Topology Host Details Scans

nmap -T4 -A -v 8.8.4.4

```

SF:)%r(FourOhFourRequest,2EC,"HTTP/1\.\0\20302\20Found\r\nX-Content-Type
SF:-Options:\20nosniff\r\nAccess-Control-Allow-Origin:\20*\r\nLocation:
SF:\20https://dns\.\google/nice%20ports%2C/Trinity\.\txt\.\bak\r\nDate:\20T
SF:ue,\2011\20oct\202022\2005:41:52\20GMT\r\nContent-Type:\20text/ht
SF:ml;\20charset=UTF-8\r\nServer:\20HTTP\20server\20(\unknown)\r\nCon
SF:tent-Length:\20247\r\nX-XSS-Protection:\200\r\nX-Frame-Options:\20SA
SF:MEORIGIN\r\nAlt-Svc:\20h3=\":443\";\20ma=2592000,h3-29=\":443\";\20m
SF:a=2592000,h3-Q050=\":443\";\20ma=2592000,h3-Q046=\":443\";\20ma=25920
SF:00,h3-Q043=\":443\";\20ma=2592000,quic=\":443\";\20ma=2592000;\20v=
SF:46,43\\"\r\n\r\n<HTML><HEAD><meta\20http-equiv=\\"content-type\"\20con
SF:tent=\\"text/html; charset=utf-8\\"">\n<TITLE>302\20Moved</TITLE></HEAD><B
SF:ODY>\n<H1>302\20Moved</H1>\nThe\20document\20has\20moved\n<A\20HRE
SF:F>\\"https://dns\.\google/nice%20ports%2C/Trinity\.\txt\.\bak">here</A>\.
SF:\r\n</BODY></HTML>\r\n");
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: general purpose
Running (JUST GUESSING): FreeBSD 8.X (86%)
OS CPE: cpe:/o:freebsd:freebsd:8.2
Aggressive OS guesses: FreeBSD 8.2-RELEASE (86%)
No exact OS matches for host (test conditions non-ideal).
Uptime guess: 0.000 days (since Tue Oct 11 11:12:46 2022)
Network Distance: 6 hops
TCP Sequence Prediction: Difficulty=253 (Good luck!)
IP ID Sequence Generation: All zeros

TRACEROUTE (using port 53/tcp)
HOP RTT ADDRESS
1 50.23 ms www.routerlogin.com (10.0.0.1)
2 14.49 ms 100.64.0.1
3 23.49 ms 103.27.170.11
4 23.49 ms 108.170.248.177
5 47.63 ms 209.85.241.227
6 23.50 ms dns.google (8.8.4.4)

NSE: Script Post-scanning.
Initiating NSE at 11:13
Completed NSE at 11:13, 0.00s elapsed
Initiating NSE at 11:13
Completed NSE at 11:13, 0.00s elapsed
Initiating NSE at 11:13
Completed NSE at 11:13, 0.00s elapsed
Read data files from: /usr/bin/../share/nmap
OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 101.14 seconds
Raw packets sent: 2094 (96.444KB) | Rcvd: 36 (2.378KB)

```


- Host details

Target: 8.8.4.4

Command: nmap -T4 -A -v 8.8.4.4

HostsServices

OSHost


 dns.google (8.8.4.4)

Nmap OutputPorts / HostsTopologyHost DetailsScans

▼ dns.google (8.8.4.4)

▼ Host Status


State: up

Open ports: 2 

Filtered ports: 998

Closed ports: 0

Scanned ports: 1000

Up time: 29 

Last boot: Tue Oct 11 11:12:46 2022

▼ Addresses

IPv4: 8.8.4.4

IPv6: Not available

MAC: Not available

▼ Hostnames

Name - Type: dns.google - PTR

▼ Operating System

Name: FreeBSD 8.2-RELEASE

Accuracy:

86%

► Ports used

► OS Classes

► TCP Sequence

► IP ID Sequence

► TCP TS Sequence

► Comments


- Ports/Hosts

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HostsServices

OSHost

 dns.google (8.8.4.4)

Nmap OutputPorts / HostsTopologyHost DetailsScans

	Port	Protocol	State	Service	Version
✓	53	tcp	open	tcpwrapped	
✓	443	tcp	open	https	HTTP server (unknown)