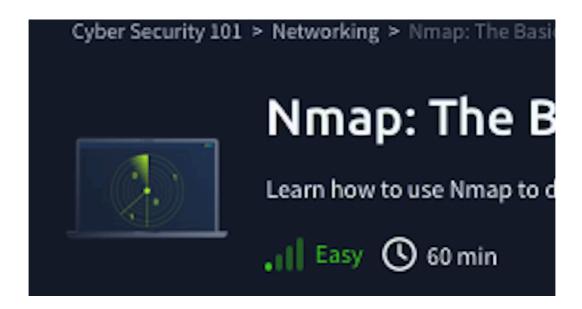
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# Networking: Nmap: The Basics (TryHackMe)



Oct 27, 2024 · 2 min read

In this article, I will write a write-up for Nmap: The Basics that covers Host Discovery: Who is Online, Port Scanning: Who is Listening, Version Detection: Extract More Information, Timing: How Fast is Fast, and Output: Controlling What You See.

1. What is the last IP address that will be scanned when your scan target is 192.168.0.1/27? 192.168.0.31

```
Starting Nmap 7.60 ( https://nmap.org ) at 2024-10-26 21:10 BST
Nmap scan report for ip-192-168-0-0.eu-west-1.compute.internal (192.168.0.0)
Nmap scan report for ip-192-168-0-1.eu-west-1.compute.internal (192.168.0.1)
Nmap scan report for ip-192-168-0-2.eu-west-1.compute.internal (192.168.0.2)
Nmap scan report for ip-192-168-0-3.eu-west-1.compute.internal (192.168.0.2)
Nmap scan report for ip-192-168-0-3.eu-west-1.compute.internal (192.168.0.3)
Nmap scan report for ip-192-168-0-4.eu-west-1.compute.internal (192.168.0.4)
Nmap scan report for ip-192-168-0-5.eu-west-1.compute.internal (192.168.0.5)
Nmap scan report for ip-192-168-0-6.eu-west-1.compute.internal (192.168.0.6)
Nmap scan report for ip-192-168-0-7.eu-west-1.compute.internal (192.168.0.7)
Nmap scan report for ip-192-168-0-8.eu-west-1.compute.internal (192.168.0.9)
Nmap scan report for ip-192-168-0-10.eu-west-1.compute.internal (192.168.0.9)
Nmap scan report for ip-192-168-0-11.eu-west-1.compute.internal (192.168.0.10)
Nmap scan report for ip-192-168-0-11.eu-west-1.compute.internal (192.168.0.11)
Nmap scan report for ip-192-168-0-13.eu-west-1.compute.internal (192.168.0.12)
Nmap scan report for ip-192-168-0-13.eu-west-1.compute.internal (192.168.0.13)
Nmap scan report for ip-192-168-0-15.eu-west-1.compute.internal (192.168.0.13)
Nmap scan report for ip-192-168-0-15.eu-west-1.compute.internal (192.168.0.15)
Nmap scan report for ip-192-168-0-16.eu-west-1.compute.internal (192.168.0.16)
Nmap scan report for ip-192-168-0-18.eu-west-1.compute.internal (192.168.0.20)
Nmap scan report for ip-192-168-0-28.eu-west-1.compute.internal (192.168.0.20)
Nmap scan report for ip-192-168-0-28.eu-west-1.compute.internal (192.168.0.22)
Nmap scan report for ip-192-
```

2. How many TCP ports are open on the target system at 10.10.235.198? 6

```
root@ip-10-10-5-216:~# nmap -sT 10.10.235.198

Starting Nmap 7.60 ( https://nmap.org ) at 2024-10-26 21:15 BST

Nmap scan report for ip-10-10-235-198.eu-west-1.compute.internal (10.10.235.198)

Host is up (0.00032s latency).

Not shown: 994 closed ports

PORT STATE SER THM AttackBox

7/tcp open ech THM AttackBox

9/tcp open daytime

17/tcp open daytime

17/tcp open gotd

22/tcp open ssh

B008/tcp open http

MAC Address: 02:30:2C:98:FC:9F (Unknown)

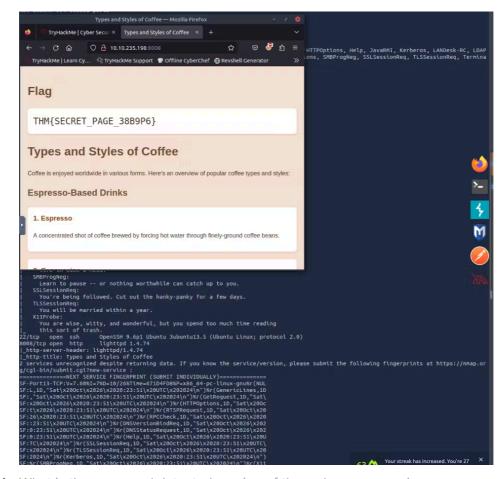
Nmap done: 1 IP address (1 host up) scanned in 0.41 seconds

root@ip-10-10-5-216:~#
```

3. Find the listening web server on 10.10.235.198 and access it with your browser. What is the flag that appears on its main page?
THM{SECRET\_PAGE\_38B9P6}

to start there's a hint on the question that you should access via http://ip\_address:port\_number . Remember the computer has 65535 ports so I tried to use common ports like 80, 8080, etc, and the browser didn't open. I ran a command nmap -sv -A 10.10.235.198 that gave us a comprehensive overview of our target machine IP which included open ports, 8008 showed 8008/tcp open http lighttpd/1.4.74 . On opening the browser http://ip\_address:8008 | got the flag

```
| Triangle | December | December
```



4. What is the name and detected version of the web server running on

10.10.235.198 ? lighttpd 1.4.74

running nmap -A ip\_address brings it up notice that our attack machine uses lighttpd and not the web servers like nginx so that a hint too

```
Starting Nemp 7.00 ( https://nnap.org ) at 2024-10-26 22:28 BST
Starting Nemp 7.00 ( https://nnap.org ) at 2024-10-26 22:28 BST
Statis: 0:01:40 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Statis: 0:01:40 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Statis: 0:01:40 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
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Statis: 0:01:40 elapsed; 0 hosts completed (1 up), 1 undergoing Servic
```

- 5. What is the non-numeric equivalent of -T4? -T aggressive
- 6. What option must you add to your nmap command to enable debugging? -d
- 7. What kind of scan will Nmap use if you run nmap MACHINE\_IP with local user privileges? connect scan

Thank you for reading my article. Please leave any questions or comments on improving my learning journey and the THM challenges. We can also connect more on **LinkedIn** or **X**.

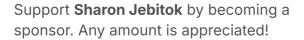
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