LAPORAN TUGAS PEMBELAJARAN TRYHACKME

"Nmap"



Olgeh:

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Dosen Pengajar:

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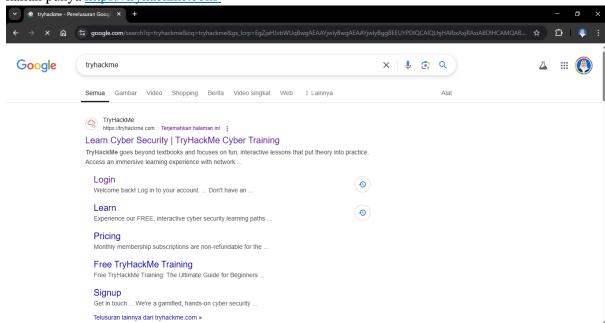
POLITEKNIK NEGERI MALANG PSDKU LUMAJANG

Jl. Lintas Timur, Area Sawah/Kebun, Jogoturunan, Kec. Lumajang, Kab. Lumajang

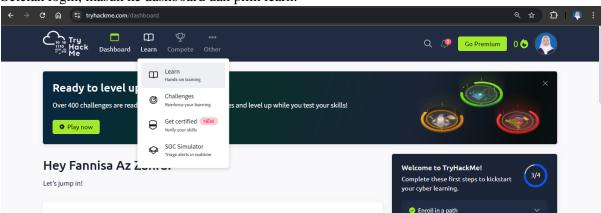
Jawa Timur 67314

2025

1. Buka laman chrome, lalu ketikkan tryhackme kemudian Login dengan akun yang sudah kalian punya https://tryhackme.com/



2. Setelah login, masuk ke dashboard dan pilih learn.





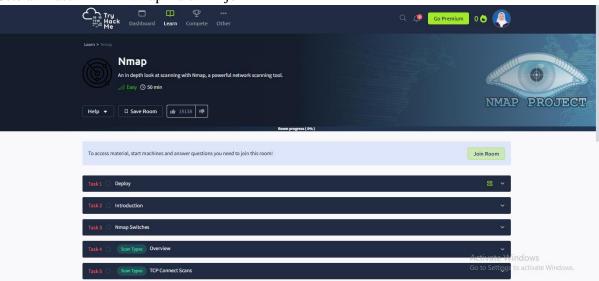
3. Setelah itu scroll kebawah dan pilih Free Roadmap



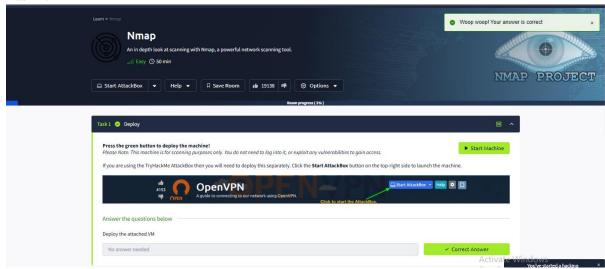
4. Lalu scroll kebawah dan pilih "room Nmap"



5. Setelah masuk room "Nmap" lalu klik join



6. Task 1.



7. Task 2.

the server. A HTTPS Webservice can be found on port 443. Windows NETBIOS can be found on port 145 in a STE setting, it is not unheard of for even these standard ports to be altered, making it even more imperative that we perform appropriate enumeration of woop woop! Your answer is correct if we do not know which of these ports a server has open, then we do not have a hope of successfully attacking the targets, thus, it is crucial that we begin and can be accomplished in a variety of ways – usually using a tool called maps, which is the focus of this room. Namp can be used to perform many different kin common of these will be introduced in upcoming tasks; however, the basis cheery is this: maps will connect to each port of the target in turn. Depending on how men province ports are open, we can then look at enumerating which service either manually, or more commonly using maps.

So, why many? The short answer is that it's currently the industry standard for a reason: no other port scanning tool comes close to matching its functionality (although some newcomers are now matching it to speed), it is an extremely powerful tool – made even more powerful by its scripting engine which can be used to scan for vulnerabilities, and in some cases even perform the exploit directly! Once again, this will be covered more in upcoming tasks.

For now, it is important that you understand: what port scanning is; why it is necessary; and that many is the tool of choice for any kind of initial enumeration.

Answer the questions below

What networking constructs are used to direct traffic to the right application on a server?

Ports

Correct Answer

(**Correct Answer**)

Correct Answer

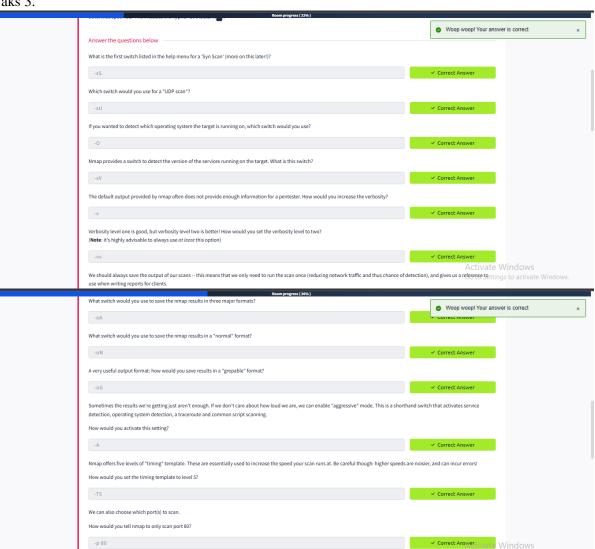
Correct Answer

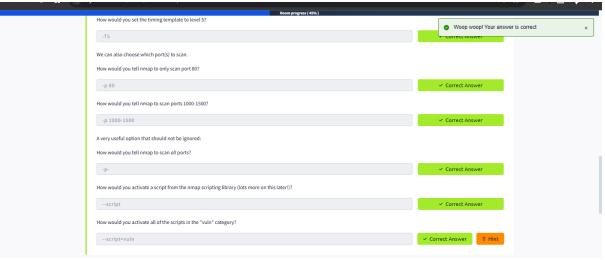
Correct Answer

Other Answer

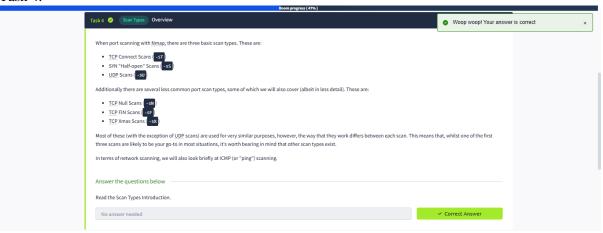
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8. Taks 3.

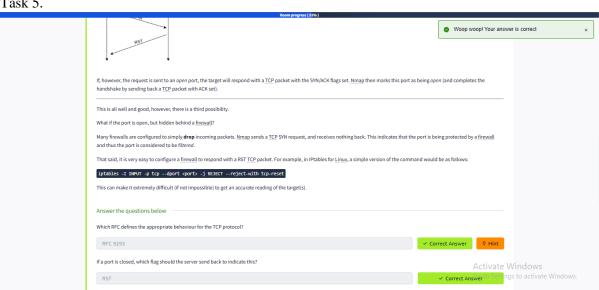




9. Task 4.



10. Task 5.



11. Task 6.

They require sudo permissions on single only the root user has by default.

Unstable services are sometimes brought down by SYN scans, which could prove problematic if a client has provided a production environment for the service are sometimes brought down by SYN scans, which could prove problematic if a client has provided a production environment for the service are sometimes brought down by SYN scans, which could prove problematic if a client has provided a production environment for the service are sometimes brought down by SYN scans, which could prove problematic if a client has provided a production environment for the service are sometimes brought down by SYN scans are the default scans used by Nimap if run with sudo permissions. If run without sudo permissions, Nimap defaults to the TCP Connect scan we saw in the previous task.

When using a SYN scan to identify closed and filtered ports, the exact same rules as with a TCP Connect scan apply.

If a port is closed then the server responds with a RST TCP packet. If the port is filtered by a firewall then the TCP SYN packet is either dropped, or spoofed with a TCP reset.

In this regard, the two scans are identical: the big difference is in how they handle open ports.

If a york scans can also be made to work by giving Nimap the CAP_NET_RAW, CAP_NET_ADMIN and CAP_NET_BIND_SERVICE capabilities; however, this may not allow many of the NSE scripts to run properly.

Answer the questions below

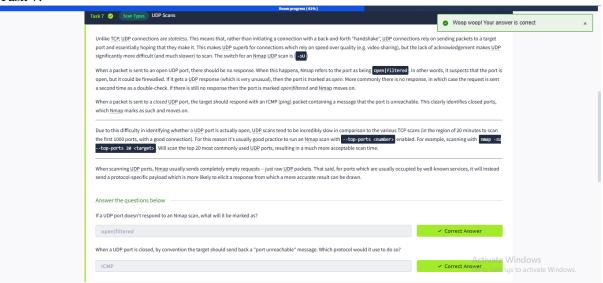
There are two other names for a SYN scan, what are they?

Half-Open, Stealth

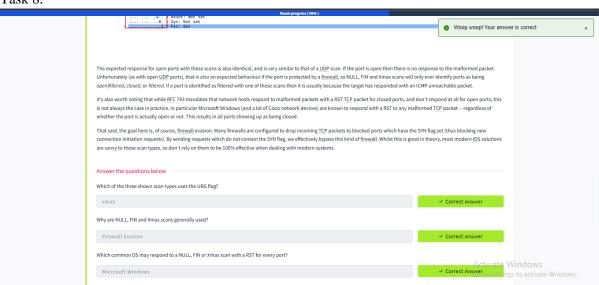
Can Nimap use a SYN scan without Sudo permissions (Y/N)?

Correct Answer

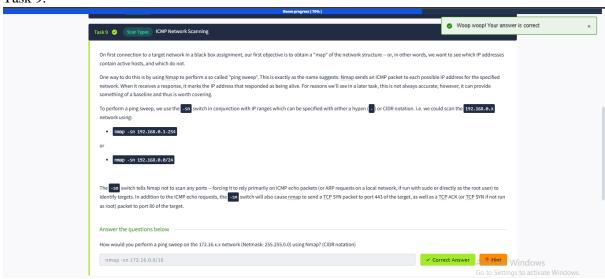
12. Task 7.



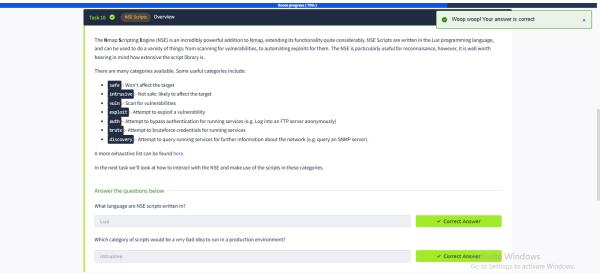
13. Task 8.



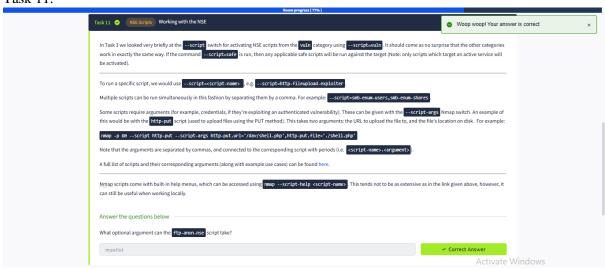
14. Task 9.



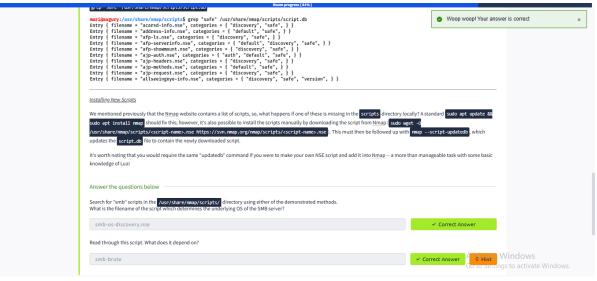
15. Task 10.



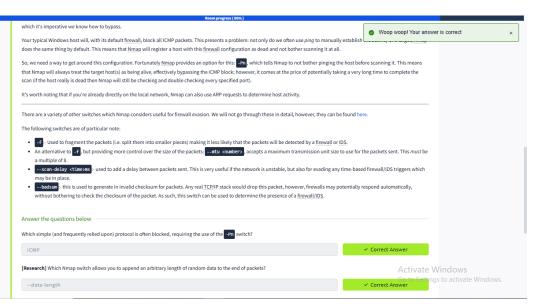
16. Task 11.



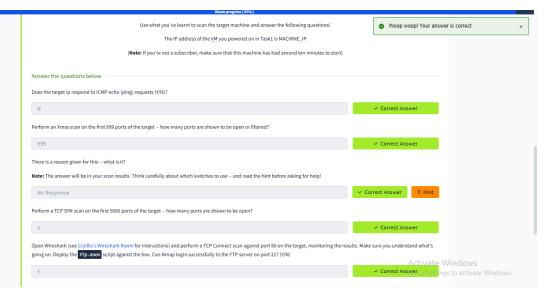
17. Task 12



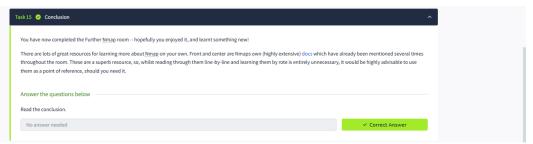
18. Task 13



19. Task 14



20. Task 15



21. Maka selesai sudah room "Nmap"

