

**KEAMANAN SISTEM DAN JARINGAN KOMPUTER**  
**TryHackMe: Networking Services**



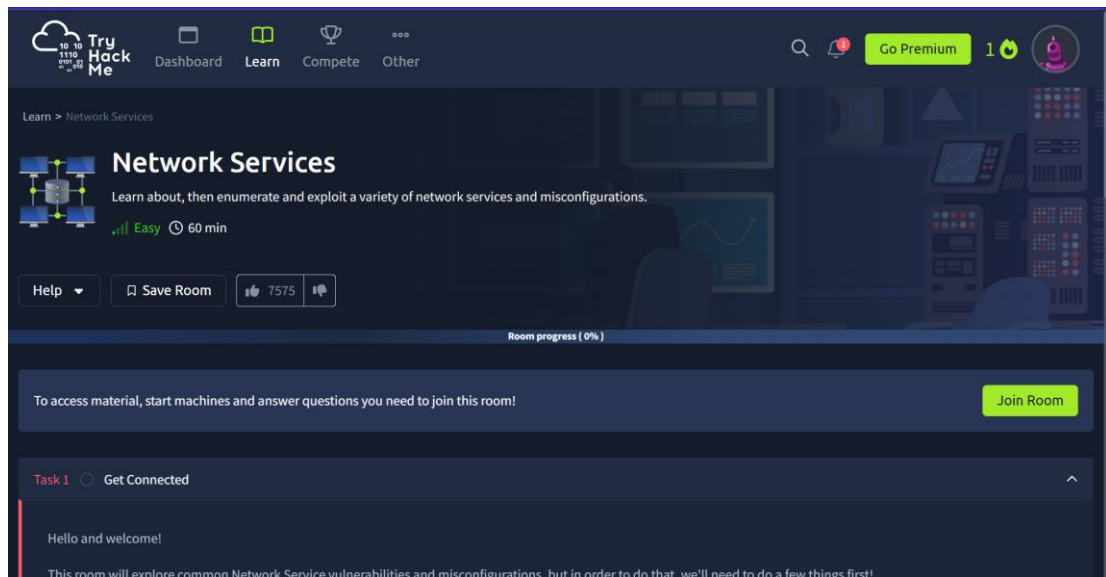
Nama :

Aldi Nur Fahmi

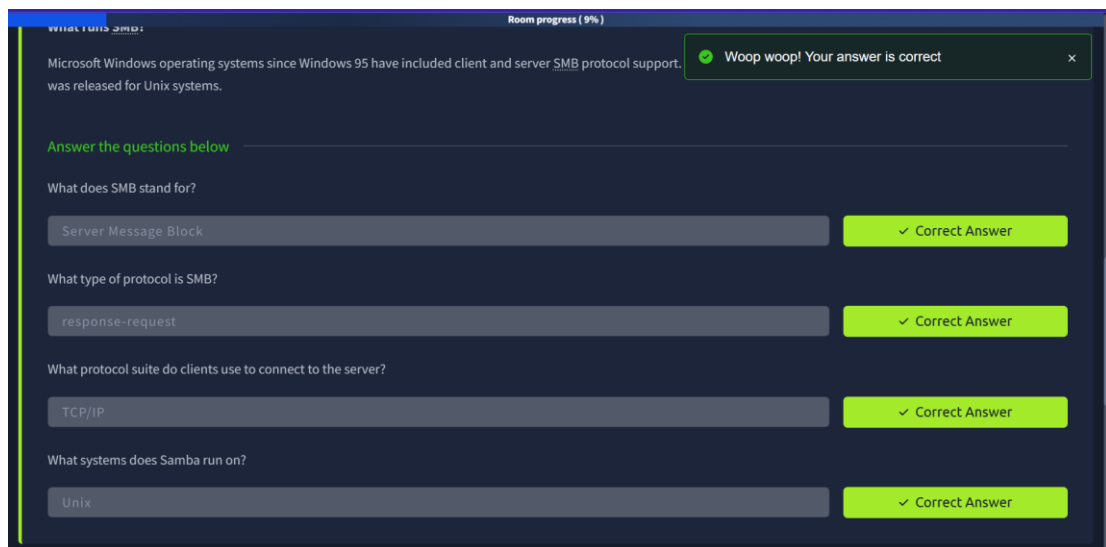
**POLITEKNIK NEGERI MALANG KAMPUS**  
**LUMAJANG**

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**2025**



## 1. Join ke networking services



## 2. Menyelesaikan task 2 dengan menjawab beberapa pertanyaan

Answer the questions below

Room progress ( 20% )

Conduct an **nmap** scan of your choosing. How many ports are open?

3

✓ Correct Answer

What ports is **SMB** running on? Provide the ports in ascending order.

139/445

✓ Correct Answer

Let's get started with Enum4Linux, conduct a full basic enumeration. For starters, what is the **workgroup** name?

WORKGROUP

✓ Correct Answer

What comes up as the **name** of the machine?

POLOSMB

✓ Correct Answer

What operating system **version** is running?

6.1

✓ Correct Answer

What share sticks out as something we might want to investigate?

profiles

✓ Correct Answer

Woop woop! Your answer

### 3. Menyelesaikan task 3 dengan menjawab beberapa pertanyaan

Room progress ( 34% )

Great! Have a look around for any interesting documents that could contain valuable information. Who can we assume this profile folder belongs to?

John Cactus

✓ Correct Answer

What service has been configured to allow him to work from home?

ssh

✓ Correct Answer

Okay! Now we know this, what directory on the share should we look in?

.ssh

✓ Correct Answer

This directory contains authentication keys that allow a user to authenticate themselves on, and then access, a server. Which of these keys is most useful to us?

id\_rsa

✓ Correct Answer

Download this file to your local machine, and change the permissions to "600" using "chmod 600 [file]".

Now, use the information you have already gathered to work out the username of the account. Then, use the service and key to log-in to the server.

What is the smb.txt flag?

THM{smb\_is\_fun\_ah?}

✓ Correct Answer

### 4. Menyelesaikan task 4 dengan menjawab beberapa pertanyaan

Room progress (41%)

The user connects to the server by using the Telnet protocol, which means entering "telnet" into a command prompt. The user then enters specific Telnet commands in the Telnet prompt. You can connect to a telnet server with the following syntax: "telnet [IP] [port]"

Woop woop! Your answer is correct

Answer the questions below

What is Telnet?

application protocol

✓ Correct Answer

What has slowly replaced Telnet?

ssh

✓ Correct Answer

How would you connect to a Telnet server with the IP 10.10.10.3 on port 23?

telnet 10.10.10.3 23

✓ Correct Answer

The lack of what, means that all Telnet communication is in plaintext?

encryption

✓ Correct Answer

Hint

## 5. Menyelesaikan task 5 dengan menjawab beberapa pertanyaan

Room progress (56%)

tcp

Woop woop! Your answer is correct

Now re-run the **nmap** scan, without the **-p-** tag, how many ports show up as open?

0

✓ Correct Answer

Here, we see that by assigning telnet to a **non-standard port**, it is not part of the common ports list, or top 1000 ports, that nmap scans. It's important to try every angle when enumerating, as the information you gather here will inform your exploitation stage.

No answer needed

✓ Correct Answer

Based on the title returned to us, what do we think this port could be **used for**?

a backdoor

✓ Correct Answer

Who could it belong to? Gathering possible **usernames** is an important step in enumeration.

Skidy

✓ Correct Answer

Always keep a note of information you find during your enumeration stage, so you can refer back to it when you move on to try exploits.

No answer needed

✓ Correct Answer

## 6. Menyelesaikan task 6 dengan menjawab beberapa pertanyaan

Room progress ( 76% )

lport = the port to listen on (this is the port on **your** machine)  
R = export the payload in raw format

What word does the generated payload start with?

✓ Correct Answer

Perfect. We're nearly there. Now all we need to do is start a netcat listener on our local machine. We do this using:

**"nc -lvp [listening port]"**

What would the command look like for the listening port we selected in our payload?

✓ Correct Answer

Great! Now that's running, we need to copy and paste our msfvenom payload into the telnet session and run it as a command. Hopefully- this will give us a shell on the target machine!

✓ Correct Answer

Success! What is the contents of flag.txt?

✓ Correct Answer

## 7. Menyelesaikan task 7 dengan menjawab beberapa pertanyaan

Room progress ( 81% )

You can find more details on the technical function, and implementation of, FTP on the Internet Engineering Task Force website: <https://www.ietf.org/rfc/rfc959.txt>. The IETF is one of a number of standards agencies, who define and regulate internet standards.

Answer the questions below

What communications model does FTP use?

✓ Correct Answer

What's the standard FTP port?

✓ Correct Answer

How many modes of FTP connection are there?

✓ Correct Answer

## 8. Task 8 selesai

21

Room progress (92%)

✓ Correct Answer

✓ Woop woop! Your answer is correct

✕

What **variant** of FTP is running on it?

vsftpd

✓ Woop woop! Your answer is correct

✕

Great, now we know what type of FTP server we're dealing with we can check to see if we are able to login anonymously to the FTP server. We can do this using by typing "**ftp [IP]**" into the console, and entering "anonymous", and no password when prompted.

What is the name of the file in the anonymous FTP directory?

PUBLIC\_NOTICE.txt

✓ Correct Answer

What do we think a possible username could be?

mike

✓ Correct Answer

Great! Now we've got details about the FTP server and, crucially, a possible username. Let's see what we can do with that...

No answer needed

✓ Correct Answer

## 9. Task 9 selesai

Room progress (98%)

✓ Woop woop! Your answer is correct

✕

-vV      Sets verbose mode to very verbose, shows the login+pass combination for each attempt

[machine IP]      The IP address of the target machine

ftp / protocol      Sets the protocol

Let's crack some passwords!

**Answer the questions below**

What is the password for the user "mike"?

password

✓ Correct Answer

Bingo! Now, let's connect to the FTP server as this user using "**ftp [IP]**" and entering the credentials when prompted

No answer needed

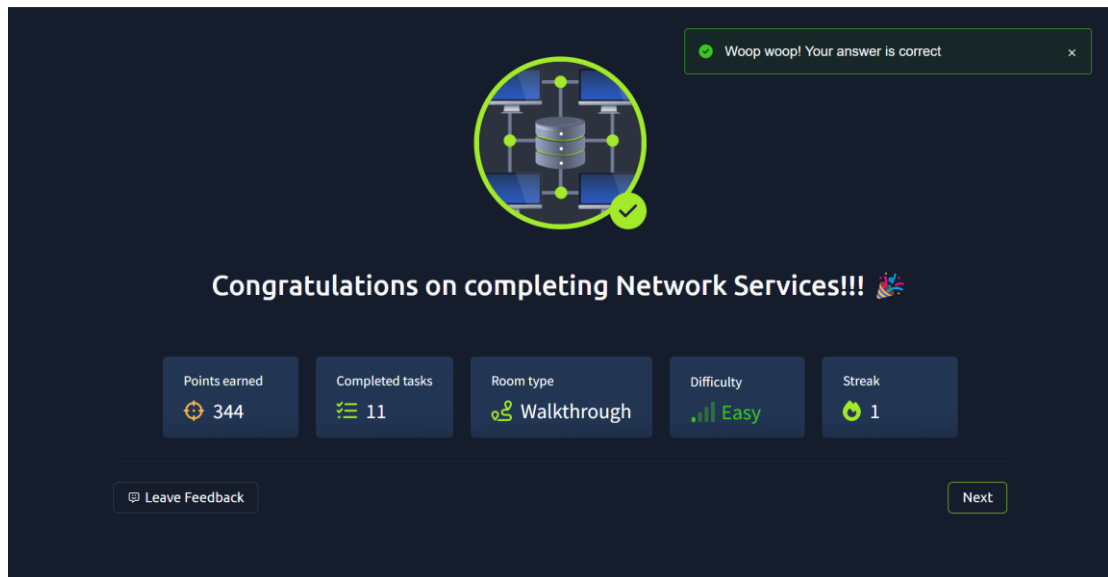
✓ Correct Answer

What is ftp.txt?

THM[y0u\_g0t\_th3\_ftp\_fl4g]

✓ Correct Answer

## 10. Task 10 selesai



11. Semua task pada networking services sudah selesai