

QUIZ 1 Keamanan Komputer dan Jaringan



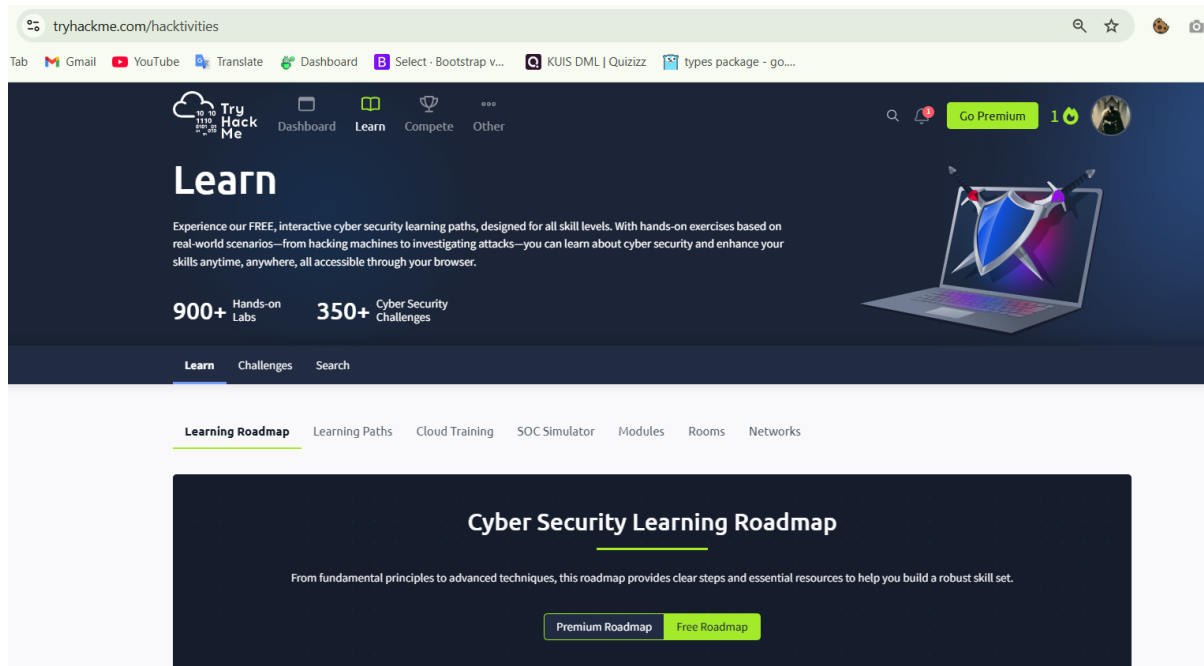
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POLITEKNIK NEGERI MALANG PSDKU LUMAJANG
PROGRAM STUDI D3 TEKNOLOGI INFORMASI

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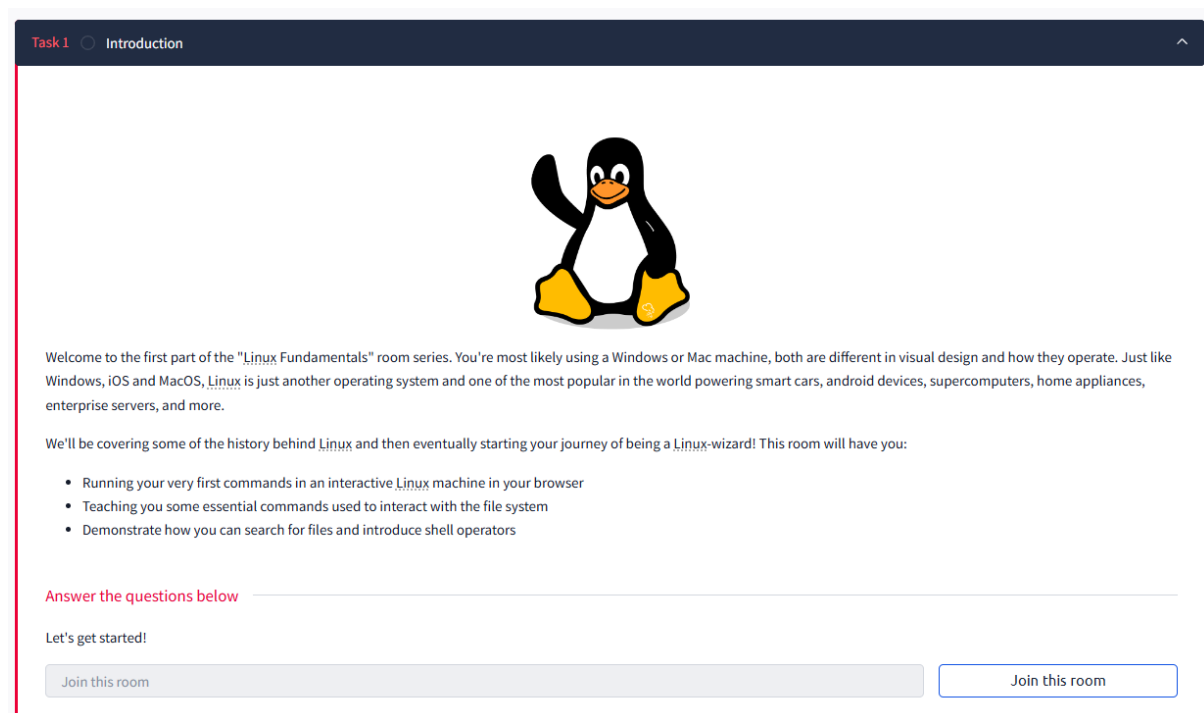
Try Hack Me Linux Fundamentals

First of all, go to tryhackme.com/hackactivities. Ensure you already have account registered, click the tab Free Roadmap, choose linux fundamentals



Task 1

This task just introduce linux as general definition, there is no question, just click Join this room



Task 2

Task 2 explains what is Linux used for, and the advantages taking Linux. There are question “When year was the first Linux released” the answer is **1991**

Task 2 A Bit of Background on Linux

Where is Linux Used?

It's fair to say that Linux is a lot more intimidating to approach than Operating System's (OSs) such as Windows. Both variants have their own advantages and disadvantages. For example, Linux is considerably much more lightweight and you'd be surprised to know that there's a good chance you've used Linux in some form or another every day! Linux powers things such as:

- Websites that you visit
- Car entertainment/control panels
- Point of Sale (PoS) systems such as checkout tills and registers in shops
- Critical infrastructures such as traffic light controllers or industrial sensors

Flavours of Linux

The name "Linux" is actually an umbrella term for multiple OS's that are based on UNIX (another operating system). Thanks to Linux being open-source, variants of Linux come in all shapes and sizes - suited best for what the system is being used for.

For example, Ubuntu & Debian are some of the more commonplace distributions of Linux because it is so extensible. I.e. you can run Ubuntu as a server (such as websites & web applications) or as a fully-fledged desktop. For this series, we're going to be using Ubuntu.

Note: Ubuntu Server can run on systems with only 512MB of RAM!

Similar to how you have different versions Windows (7, 8 and 10), there are many different versions/distributions of Linux.

Answer the questions below

Research: What year was the first release of a Linux operating system?

1991

Correct Answer

Task 3

On task 3, we will get interact by Linux machine

New Tab Gmail YouTube Translate Dashboard Select - Bootstrap v... KUJS DML | Quizizz types package - go... All Bc

Room progress (13%)

Task 3 Interacting With Your First Linux Machine (in-Browser)

This room has a Ubuntu Linux machine that you can interact with all within your browser whilst following along with this room's material.

However, to get started, simply press the green **Start Machine** button below.

Start Machine

Once deployed, a card will appear at the top of the room:

Active Machine Information

Title	IP Address	Expires	
linuxfundgit1	10.10.144.238	1h 58m 49s	<div> Add Notes Terminate</div>

This contains all of the information for the machine deployed in the room including the IP address and expiry timer - along with buttons to manage the machine. Remember to **"Terminate"** a machine once you are done with the room. More information on this can be found in the [tutorial room](#).

For now, press **"Start Machine"** where you will be able to interact with your own Linux machine within your browser whilst following along with this room:

Interacting With Your First Linux Machine (in-Browser)

This room has a Ubuntu Linux machine that you can interact with all within your browser whilst following along with this room's material.

However, to get started, simply press the green "Start Machine" button on the top right of this task indicated by the arrow on the right.

Linux desktop card will appear at the top of the room.

Interact with the machine

```
welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1064-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/pro

System information as of Wed Mar 19 16:36:10 UTC 2025

System load:  0.39          Processes:           118
Usage of /:   27.8% of 9.62GB Users logged in:      0
Memory usage: 31%          IPv4 address for ens5: 10.10.144.232
Swap usage:   0%

* Ubuntu Pro delivers the most comprehensive open source security and
  compliance features.

https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
To check for new updates run: sudo apt update

The list of available updates is more than a week old.
tryhackme@linux1:~$ pwd
/home/tryhackme
tryhackme@linux1:~$
```

Task 4

We get interact with using Linux machine which we already start it. And we being tested to check our knowledge so far

See the snippets below for an example of each command being used

```
tryhackme@linux1:~$ echo "Hello Friend!"
Hello Friend!
```

Using whoami to find out the username of who we're logged in as

```
tryhackme@linux1:~$ whoami
tryhackme
```

Try this on your Linux machine now!

Answer the questions below

If we wanted to output the text "TryHackMe", what would our command be?

✓ Correct Answer

What is the username of who you're logged in as on your deployed Linux machine?

✓ Correct Answer Hint

```
* Ubuntu Pro delivers the most comprehensive open source security and
compliance features.
https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or p
roxy settings

Last login: Wed Mar 19 16:36:11 2025 from 10.100.1.36
tryhackme@linux1:~$ whoami
tryhackme
tryhackme@linux1:~$
```

Task 5

On this task we've been tested to use certain command for change directory, display files, and check current directory

Answer the questions below

On the Linux machine that you deploy, how many folders are there?

✓ Correct Answer

Which directory contains a file?

✓ Correct Answer Hint

What is the contents of this file?

✓ Correct Answer

Use the cd command to navigate to this file and find out the new current working directory. What is the path?

✓ Correct Answer

```
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Intern
et proxy settings

Last login: Wed Mar 19 16:36:11 2025 from 10.100.1.36
tryhackme@linux1:~$ whoami
tryhackme
tryhackme@linux1:~$ ls
access.log folder1 folder2 folder3 folder4
tryhackme@linux1:~$ cd folder1
tryhackme@linux1:~/folder1$ ls
tryhackme@linux1:~/folder1$ cd ../folder2
tryhackme@linux1:~/folder2$ ls
tryhackme@linux1:~/folder2$ cd ../folder3
tryhackme@linux1:~/folder3$ ls
tryhackme@linux1:~/folder3$ cd ../folder4
tryhackme@linux1:~/folder4$ ls
note.txt
tryhackme@linux1:~/folder4$ cat note.txt
Hello World!
tryhackme@linux1:~/folder4$ ^C
tryhackme@linux1:~/folder4$ pwd
/home/tryhackme/folder4
tryhackme@linux1:~/folder4$ ^C
tryhackme@linux1:~/folder4$
```

Task 6

This is the most challenging task, we must find the file and read its content

Answer the questions below

Use grep on "access.log" to find the flag that has a prefix of "THM". What is the flag? **Note:** The "access.log" file is located in the "/home/tryhackme/" directory.

✓ Correct Answer Hint

And I still haven't found what I'm looking for!

Complete

```
tryhackme@linux1:~/folder1$ ls
tryhackme@linux1:~/folder1$ cd ../folder2
tryhackme@linux1:~/folder2$ ls
tryhackme@linux1:~/folder2$ cd ../folder3
tryhackme@linux1:~/folder3$ ls
tryhackme@linux1:~/folder3$ cd ../folder4
tryhackme@linux1:~/folder4$ ls
note.txt
tryhackme@linux1:~/folder4$ cat note.txt
Hello World!
tryhackme@linux1:~/folder4$ ^C
tryhackme@linux1:~/folder4$ pwd
/home/tryhackme/folder4
tryhackme@linux1:~/folder4$ ^C
tryhackme@linux1:~/folder4$ -
tryhackme@linux1:~$ grep "THM" access.log
13.127.130.212 - - [04/May/2021:08:35:26 +0800] "GET /THM{ACCESS} lang=en HTTP/1.1" 404 368 "-"
3.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.12
7.36"
tryhackme@linux1:~$
```

Task 7

On this task, we been tested about our knowledge of Linux commands

Answer the questions below

If we wanted to run a command in the background, what operator would we want to use?

&

✓ Correct Answer

If I wanted to replace the contents of a file named "passwords" with the word "password123", what would my command be?

echo password123 > passwords

✓ Correct Answer

🔑 Hint

Now if I wanted to add "tryhackme" to this file named "passwords" but also keep "passwords123", what would my command be

echo tryhackme >> passwords

✓ Correct Answer

🔑 Hint

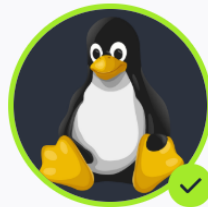
Now use the deployed Linux machine to put these into practice

No answer needed

✓ Correct Answer

Task 8 and 9 basically just outro of this room, and we suggested to join Linux fundamentals part 2 as well

However this is the glance after we successfully finished the room



Congratulations on completing Linux Fundamentals Part 1!!! 🎉

Points earned

🎯 88

Completed tasks

✅ 9

Room type

👤 Walkthrough

Difficulty

📖 Info

Streak

🔥 1