

Linux Fundamentals Part 1

Embark on the journey of learning the fundamentals of Linux. Learn to run some of the first essential commands on an interactive terminal.

Task 2 A Bit of Background on Linux

Question	Answer
Research: What year was the first release of a Linux operating system?	1991

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

I clicked on "Start Machine" button

Task 4 Running Your First few Commands

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

Command: **echo TryHackMe**

```
tryhackme@linux1:~$ echo Tryhackme
Tryhackme
```

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

Command: **whoami**

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

Task 5 Interacting With the Filesystem!

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

command: **ls**

```
tryhackme@linux1:~$ ls
access.log  folder1  folder2  folder3  folder4
```

Which directory contains a file?

Searching through all directories by changing to each directory and listing

Command: **cd folder4**

Command: **ls**

Answer: **folder4**

```
tryhackme@linux1:~$ ls
access.log  folder1  folder2  folder3  folder4
tryhackme@linux1:~$ cd folder1
tryhackme@linux1:~/folder1$ ls
tryhackme@linux1:~/folder1$ cd folder2
-bash: cd: folder2: No such file or directory
tryhackme@linux1:~/folder1$ cd ..
tryhackme@linux1:~$ cd folder2
tryhackme@linux1:~/folder2$ ls
tryhackme@linux1:~/folder2$ cd ..
tryhackme@linux1:~$ cd folder3
tryhackme@linux1:~/folder3$ cd ..
tryhackme@linux1:~$ cd folder4
tryhackme@linux1:~/folder4$ ls
note.txt
```

What is the contents of this file?

Command: **cat note.txt**

Answer: **Hello World!**

```
tryhackme@linux1:~/folder4$ cat note.txt
Hello World!
```

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

Command: **pwd**

Answer: **/home/tryhackme/folder4**

```
tryhackme@linux1:~/folder4$ pwd
/home/tryhackme/folder4
```

Task 6 Searching for Files

Use grep on "access.log" to find the flag that has a prefix of "THM". What is the flag?

Command: **grep "THM" access.log**

Answer: **THM{ACCESS}**

```
tryhackme@linux1:~$ grep "THM" access.log
13.127.130.212 - - [04/May/2021:08:35:26 +0000] "GET THM{ACCESS} lang=en HTTP/1.1" 404 360 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36"
```

Task 7 An Introduction to Shell Operators

Question	Answer
If we wanted to run a command in the background, what operator would we want to use?	&&&&&&
If I wanted to replace the contents of a file named "passwords" with the word "password123", what would my command be?	echo password123 > passwords
Now if I wanted to add "tryhackme" to this file named "passwords" but also keep "passwords123", what would my command be	echo tryhackme >> passwords

END!!!