Linux Fundamentals Part 2

Continue your learning Linux journey with part two. You will be learning how to log in to a Linux machine using SSH, how to advance your commands, file system interaction.

Task 2 Accessing Your Linux Machine Using SSH (Deploy)

I ssh into the machine

Command:ssh tryhackme@10.10.84.73
Password:tryhackme

Task 3 Introduction to Flags and Switches

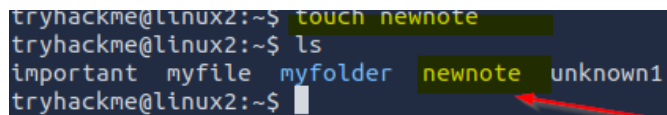| Question	Answer
What directional arrow key would we use to navigate down the manual page?	down
What flag would we use to display the output in a "human-readable" way?	-h

Command: man ls

Task 4 Filesystem Interaction Continued

How would you create the file named "newnote"?

Command & Answer: touch newnote

```
tryhackme@linux2:~$ touch newnote
tryhackme@linux2:~$ ls
important  myfile  myfolder  newnote  unknown1
tryhackme@linux2:~$ 
```

On the deployable machine, what is the file type of "unknown1" in "tryhackme's" home directory?

I navigated to the home directory and then to the tryhackme directory. Once there, i listed the files in the directory to locate the unknown1 file.
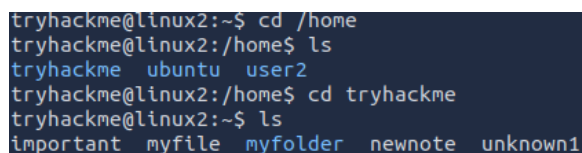
Command: cd /home
Command: ls
Command: cd tryhackme
Command: ls

```
tryhackme@linux2:~$ cd /home
tryhackme@linux2:/home$ ls
tryhackme  ubuntu  user2
tryhackme@linux2:/home$ cd tryhackme
tryhackme@linux2:~$ ls
important  myfile  myfolder  newnote  unknown1
```
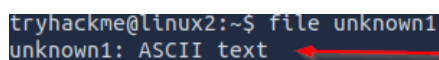
To find the type of file the unknown file is:

Command: file unknown1

Answer: ASCII text

```
tryhackme@linux2:~$ file unknown1
unknown1: ASCII text
```

How would we move the file "myfile" to the directory "myfolder"

Command/Answer: mv myfile myfolder

What are the contents of this file?

Command: cat myfile
Answer: THM{FILESYSTEM}

Task 5 Permissions 101

On the deployable machine, who is the owner of "important"?

I used the find command to locate the "important" file, which I found to be located at /home/tryhackme.

Command: find . -type f -name "important"

I navigated to the directory /home/tryhackme and listed out the permissions of the files here

Command: ls -la
Answer: user2

What would the command be to switch to the user "user2"?

Command/Answer: su user2

```
tryhackme@tlhux2:~$ su user2
Password:
user2@linux2:/home/tryhackme$
```

Output the contents of "important", what is the flag?

Command: cat important
Answer: THM{SU_USER2}

```
user2@linux2:/home/tryhackme$ cat important
THM{SU_USER2}
```

Task 6 Common Directories

Question	Answer
What is the directory path that would we expect logs to be stored in?	/var/log
What root directory is similar to how RAM on a computer works?	/tmp
Name the home directory of the root user	/root

END!!