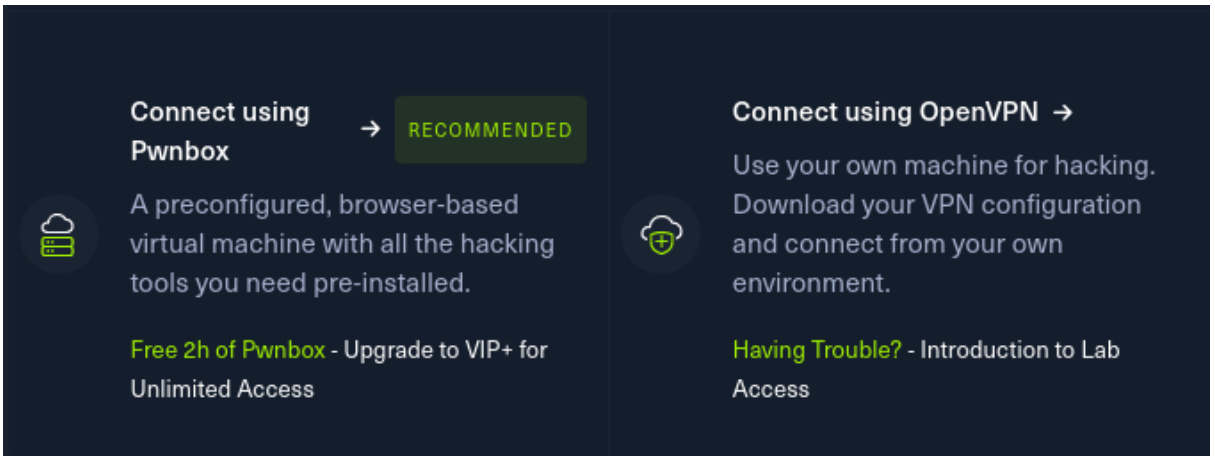
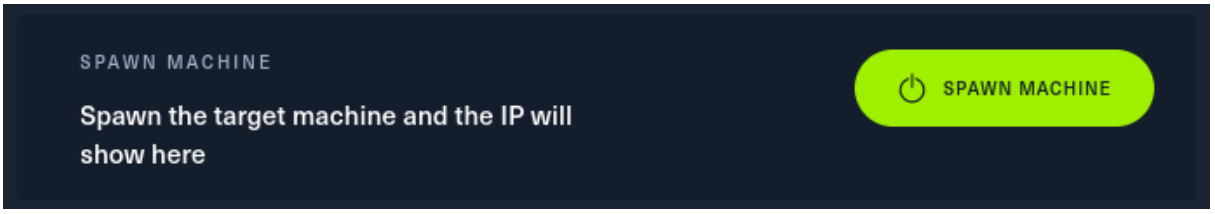
Hack The Box Tier 0 Lab 3“dancing” Writeup

Connect To Starting Point VPN:

You must connect yourself to the starting point VPN before answering the question. You can choose one way to connect to the VPN from the following two ways shown below 👇.



Once you’re connected to the Starting Point VPN now spawn your machine by clicking on the SPAWN MACHINE button shown in the image below 👇 .



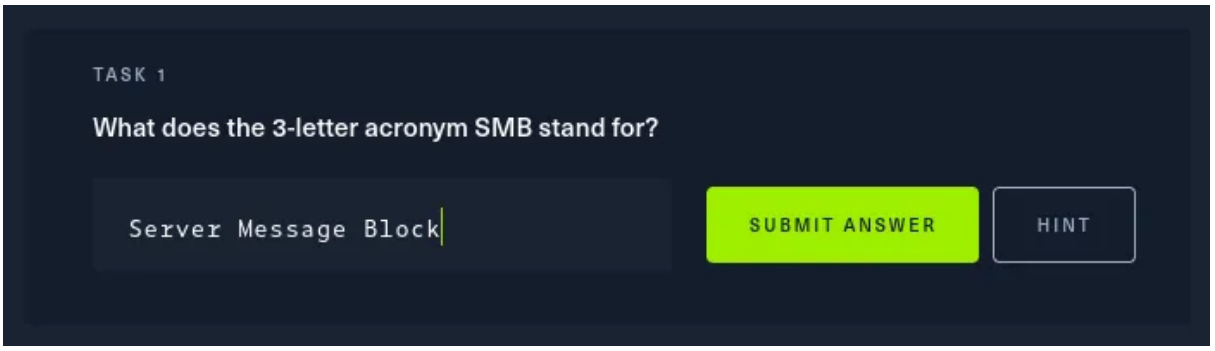
Now Let’s start answering the questions.

Task No 01:

What does the 3-letter acronym SMB stand for?

Answer:

Server Message Block

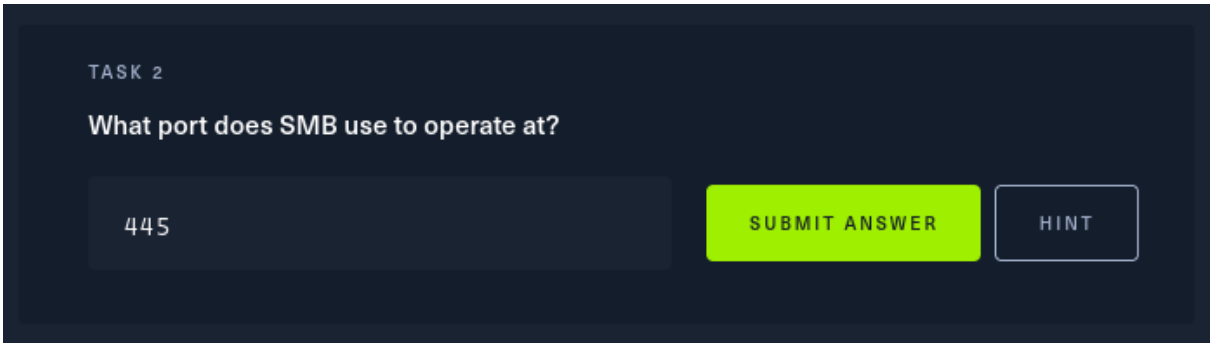


Task No 02:

What port does SMB use to operate at?

Answer:

445



Task No 03:

What is the service name for port 445 that came up in our Nmap scan?

Answer:

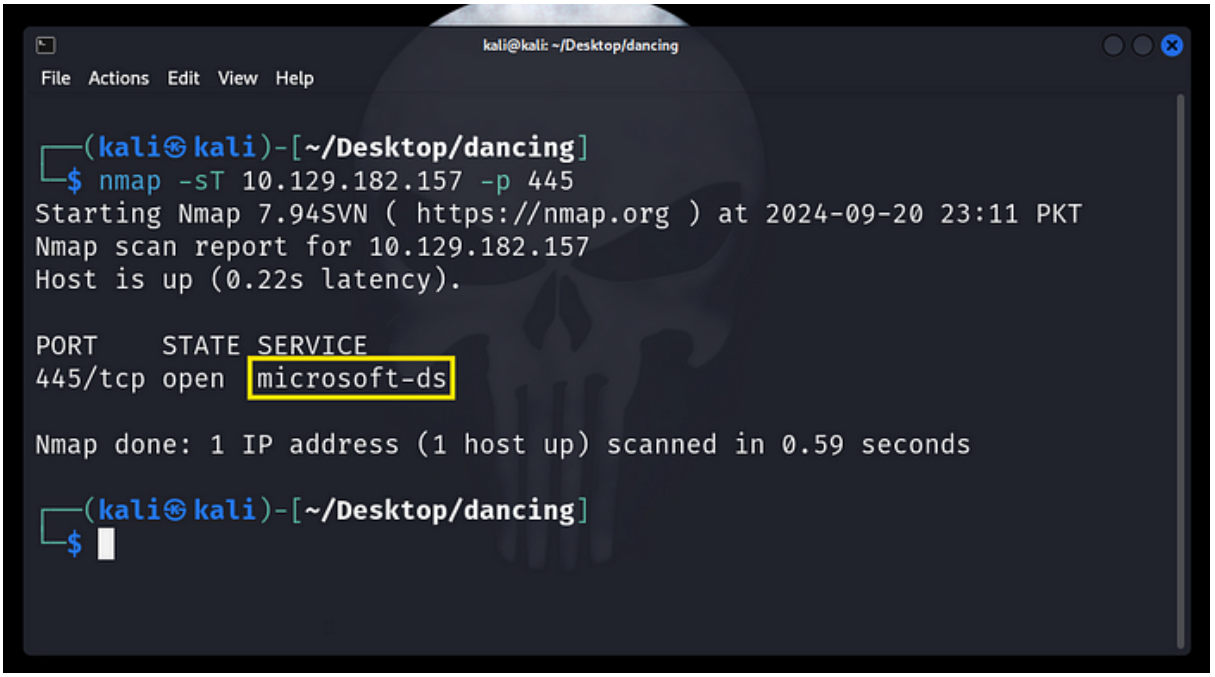
The answer is: ***microsoft-ds***

How To Find Out Service Name:

In order to find the service name used you would need to enter the following command in your Linux Bash.

```
nmap -sT target-ip -p 445
```

After running the above command you should see something like this 👇 in your Linux bash.

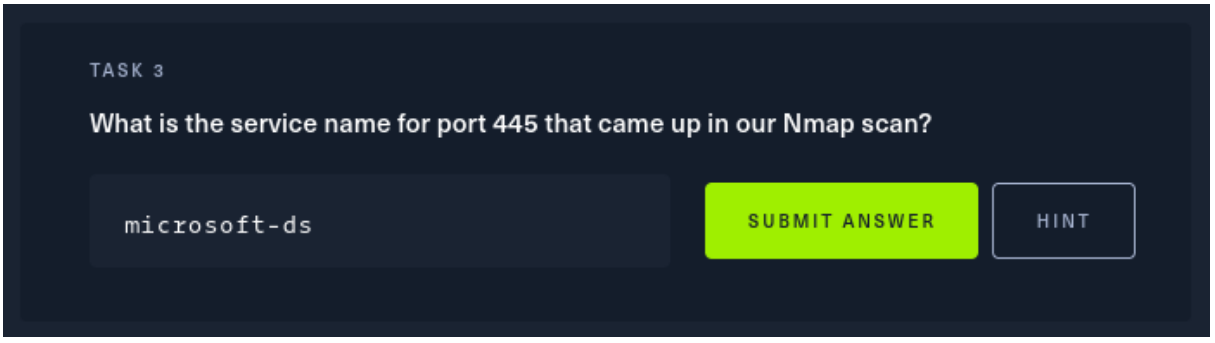


Command Explanation:

Now let's understand the above command briefly and see what each switch is doing.

- ***nmap***: We use nmap for network mapping, vulnerability assessment, and network security auditing.
- ***sT***: this switch is used to scan ports on the target host. In here we are scanning on port 445 of our target ip.
- ***p:*** this switch is used to specify ports for scanning.

So now we know that the service running on port 445 is microsoft-ds.



Task No 04:

What is the ‘flag’ or ‘switch’ we can use with the SMB tool to ‘list’ the contents of the share?

Answer:

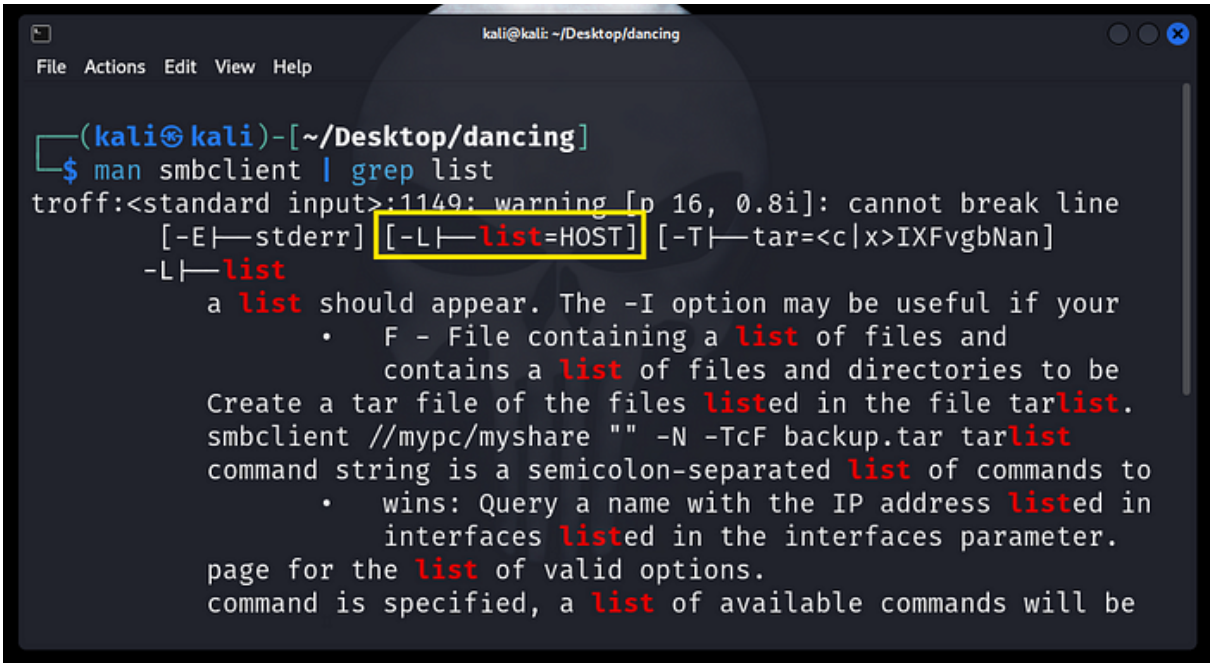
The answer is: ***ls***

How To Find Details About Flags:

In the above task you are assigned to find the switch used for listing the content of the shares of your target ip. To find out which flag is the used to list the contents of the share enter the below 👇 given command in your Linux bash.

```
man smbclient | grep list
```

After the execution of the above 👆 command your Linux bash would look like this 👇.

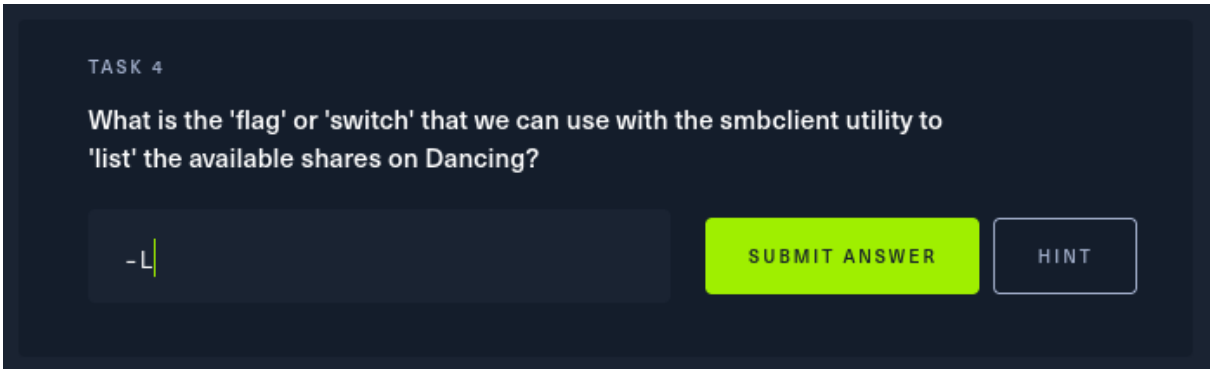


Command Explanation:

Now let's understand the above command briefly and see what each switch is doing.

- ***man:*** is the short form of manual and this is used to display manual pages of various commands, tools.
- ***smbclient:*** it is a command line tool used to interact with the SMB shares.
- ***grep:*** is used for filtering. Here it will filter the manual page of smbclient for flags related to list.

From the manual page of smbclient we learned that for listing shares we use -L switch.



Task No 05:

How many shares are there on Dancing?

Answer:

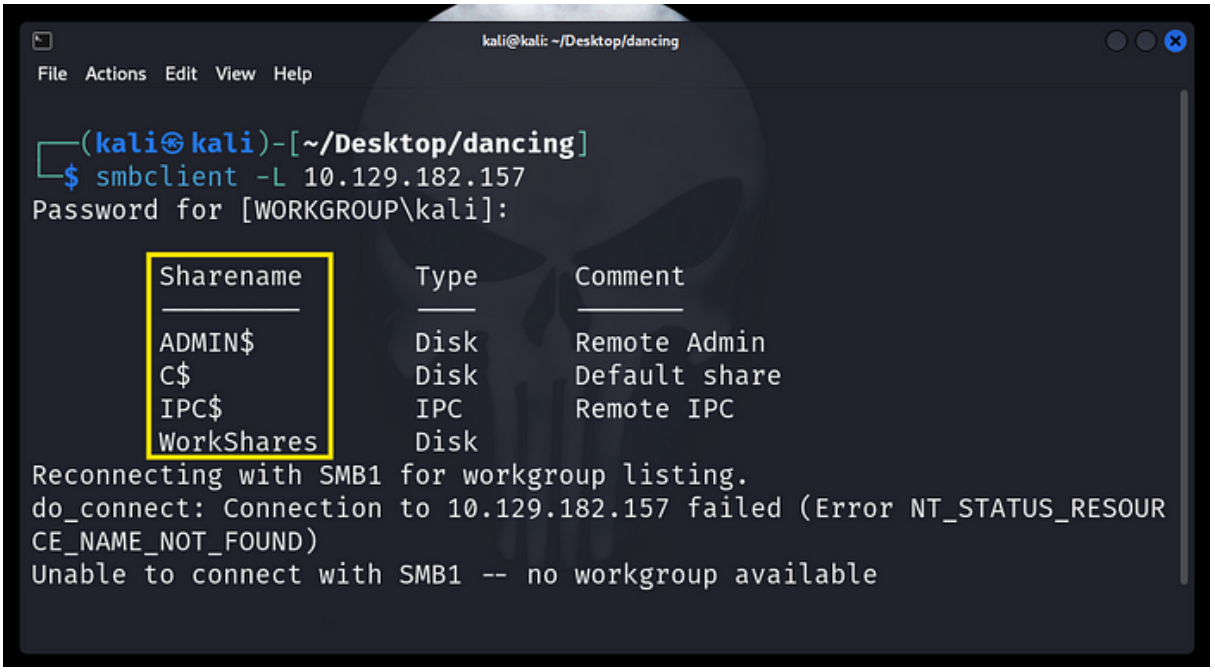
The answer is: ***4***

How To Find Shares:

From task 4 you learned that we use -L to list contents of the shares of the target ip. Now put what you've learnt into practice and enter the following command into your Linux bash 👇 .

```
smbclient -L target-ip
```

When you run this command you will see an output like this 👇.

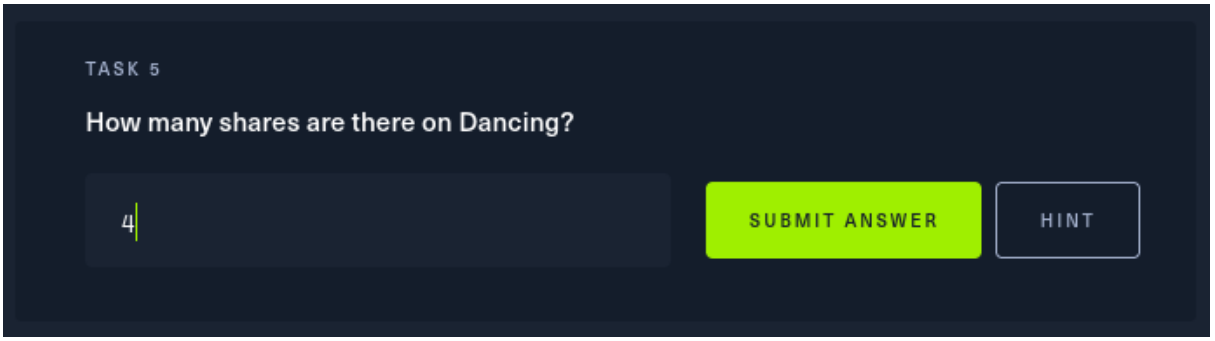


Command Explanation:

Now let's understand the above command briefly and see what each switch is doing.

- ***smbclient:*** it is a command line tool used to interact with the SMB shares.
- ***L***: this flag is used to list all the shares.

In the bash if you count the number of shares you will see that there are 4 of them.



Task No 06:

What is the name of the share we are able to access in the end with a blank password?

Answer:

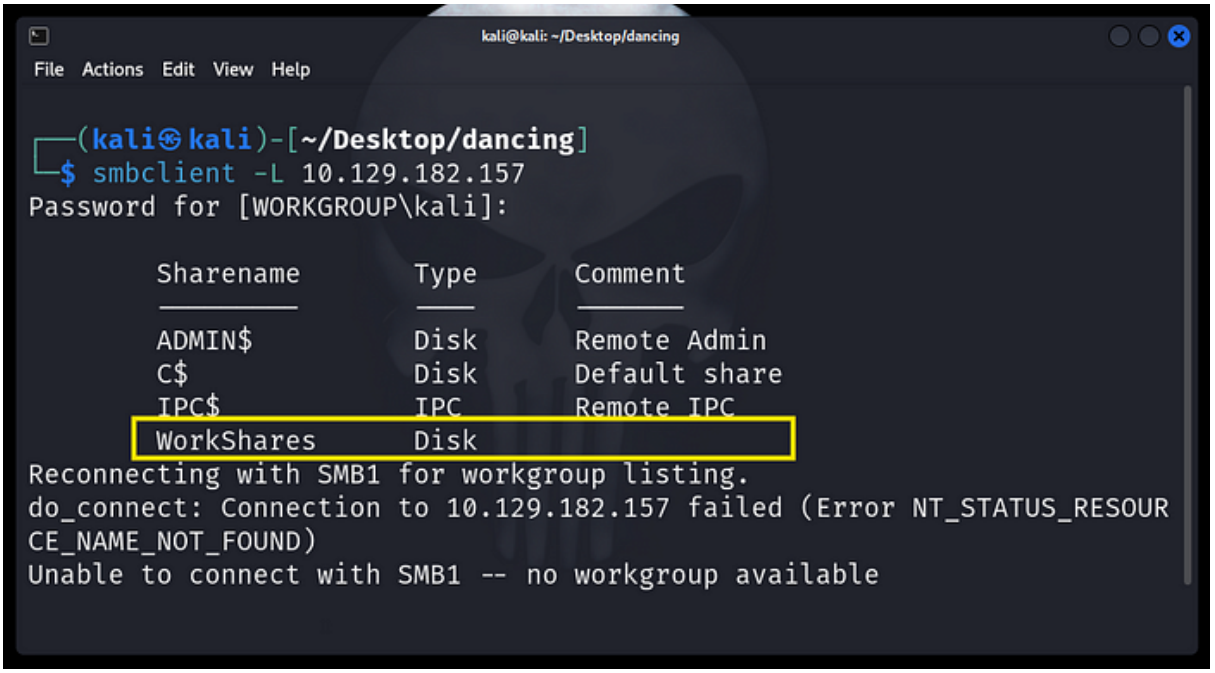
The answer is: ***WorkShares***

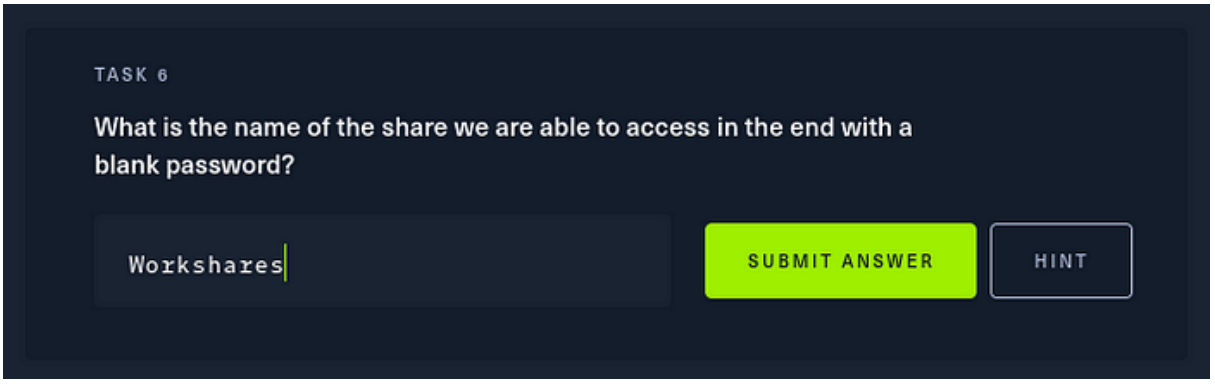
List all the shares in your target ip system and see for yourself which share doesn't require password at the time of login.

The command is 👇.

```
smbclient -L target-ip
```

After running the above👆 command you will find 4 shares in your target ip system and if you pay attention to the last one. That's the one where we can login without password.



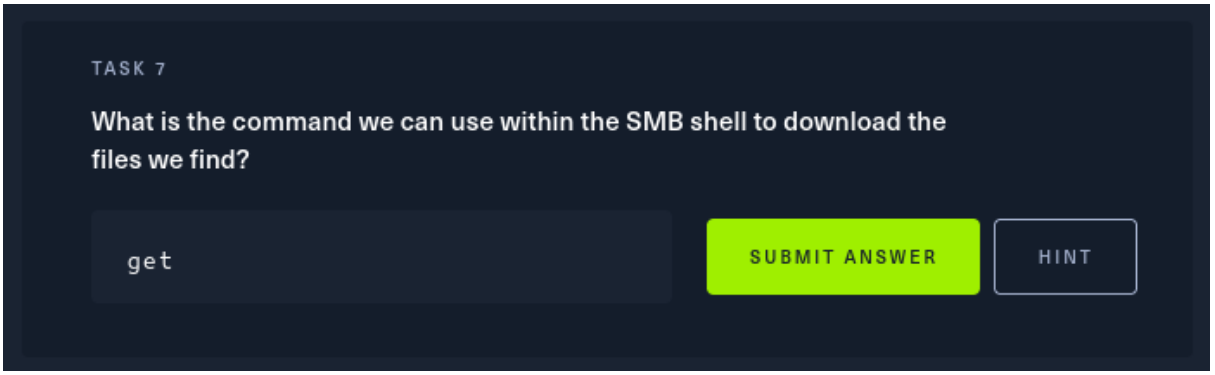


Task No 07:

What is the command we can use within the SMB shell to download the files we find?

Answer:

get



Task No 08:

Submit root flag.

Answer:

The root flag is: 5f61c10dffbc77a704d76016a22f1664

How To Download Root Flag:

Now you know that one of the share in your target ip doesn't require login password, so it's time to access that particular share and download the file containing answer to task 8.

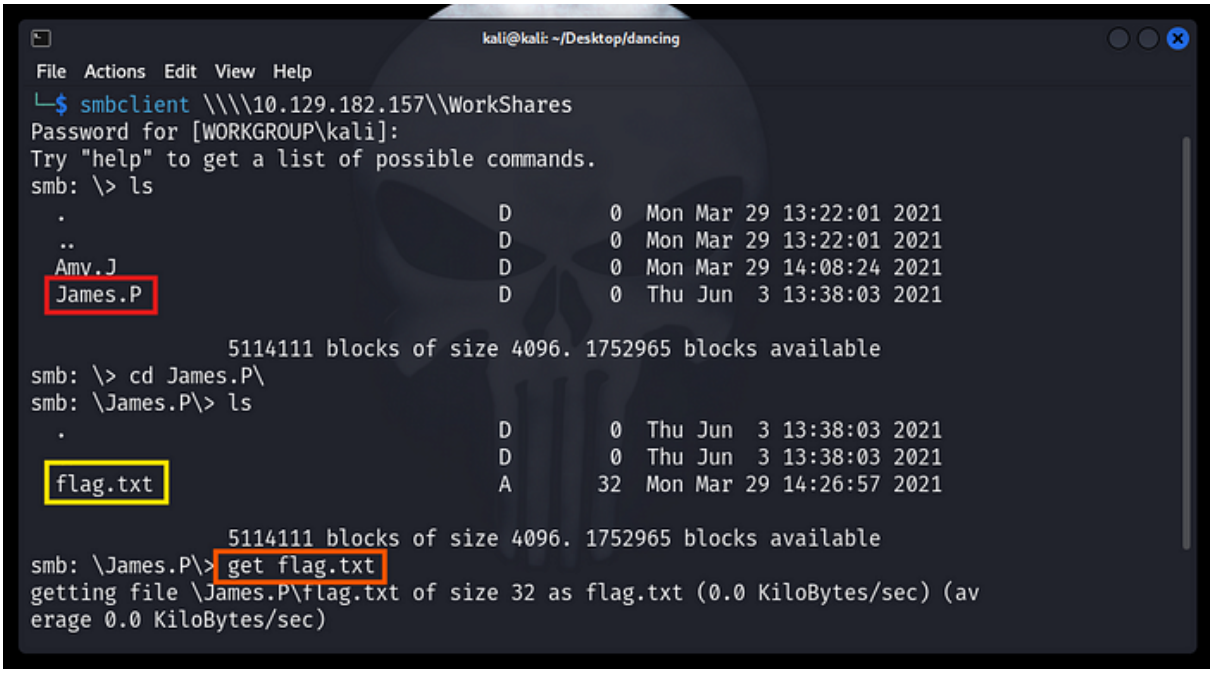
Enter this command in your bash.

```
smbclient \\\\target-ip\\WorkShares
```

When you enter the above 👆 command you will be prompted to enter a password, simply press enter and you will be given access to this share named WorkShares.

First enter the help menu to get some help in commands. The help menu will give you a large list of command but the commands you will need to download the flag.txt file are only a few. You would only need ***ls(or dir), cd get.***

Enter the ls command to list down all the files and folders in the current directory.



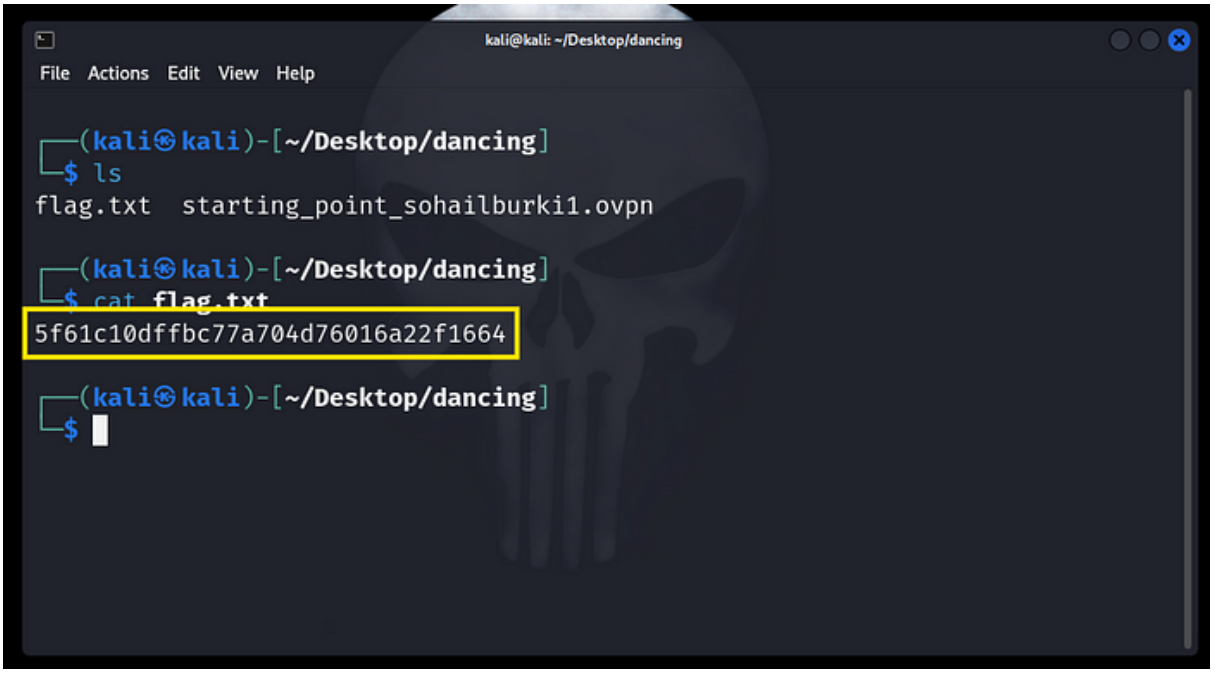
You will find two folders in the current directory, ***Amy.J*** and ***James.P*** **.**

Check both the directories and see which folder have the flag.txt file. Once you know where the flag.txt file is, simply download the file using get command.

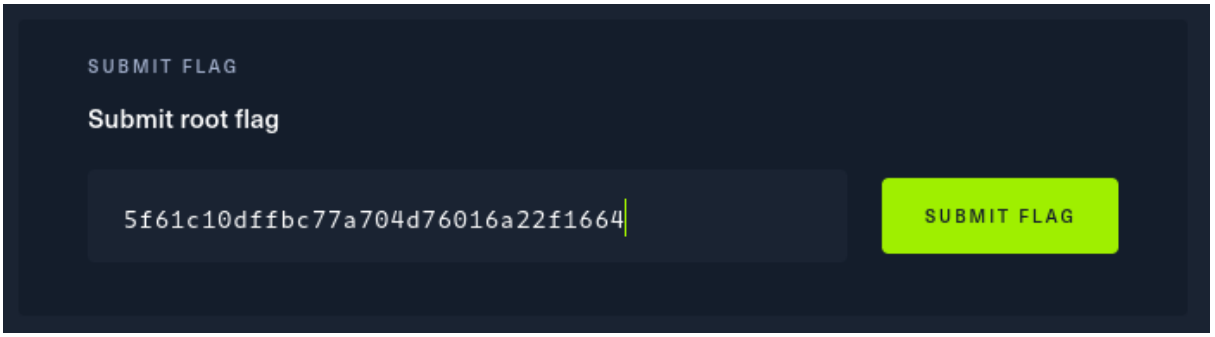
When you enter the following command in your terminal it will download the flag.txt file into your local host directory.

```
get flag.txt
```

Now, log out from the target system and open the **flag.txt** file, which has been downloaded to your system, to view its contents.



To read the content of a file use the cat command.



Congratulation 🎉 you've successfully completed your third lab in hack the box Learning The Basics Of Penetration Testing Module.


Dancing
ACTIVE
VERY EASY
Machine Pwned