Thompson_THM

Enumuration

FOund a apache main page on port 8080

Used default credentials tomcat:s3cret to login

Uploaded a war msfvenom payload and ran multi handler

Got a shell

Nmap

```
 nmap -p22,8080,8009 $ip -sS -sV -A -T4
Starting Nmap 7.91 ( https://nmap.org ) at 2021-04-25 08:29 EDT
Nmap scan report for 10.10.208.145
Host is up (0.48s latency).

PORT     STATE SERVICE VERSION
22/tcp   open  ssh     OpenSSH 7.2p2 Ubuntu 4ubuntu2.8 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   2048 fc:05:24:81:98:7e:b8:db:05:92:a6:e7:8e:b0:21:11 (RSA)
|   256 60:c8:40:ab:b0:09:84:3d:46:64:61:13:fa:bc:1f:be (ECDSA)
|_  256 b5:52:7e:9c:01:9b:98:0c:73:59:20:35:ee:23:f1:a5 (ED25519)
8009/tcp open  ajp13   Apache Jserv (Protocol v1.3)
|_ajp-methods: Failed to get a valid response for the OPTION request
8080/tcp open  http    Apache Tomcat 8.5.5
|_http-favicon: Apache Tomcat
|_http-title: Apache Tomcat/8.5.5
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Aggressive OS guesses: Linux 3.10 - 3.13 (95%), Linux 5.4 (95%), ASUS RT-N56U WAP (Linux 3.4) (95%), Linux 3.16 (95%), Linux 3.1 (93%), Linux 3.2 (93%), AXIS 210A or 211 Network Camera (Linux 2.6.17) (92%), Sony Android TV (Android 5.0) (92%), Android 5.0 - 6.0.1 (Linux 3.4) (92%), Android 5.1 (92%)
No exact OS matches for host (test conditions non-ideal).
Network Distance: 4 hops
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

TRACEROUTE (using port 8080/tcp)
HOP RTT       ADDRESS
1   202.08 ms 10.4.0.1
2   ... 3
4   466.41 ms 10.10.208.145

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 41.52 seconds
```

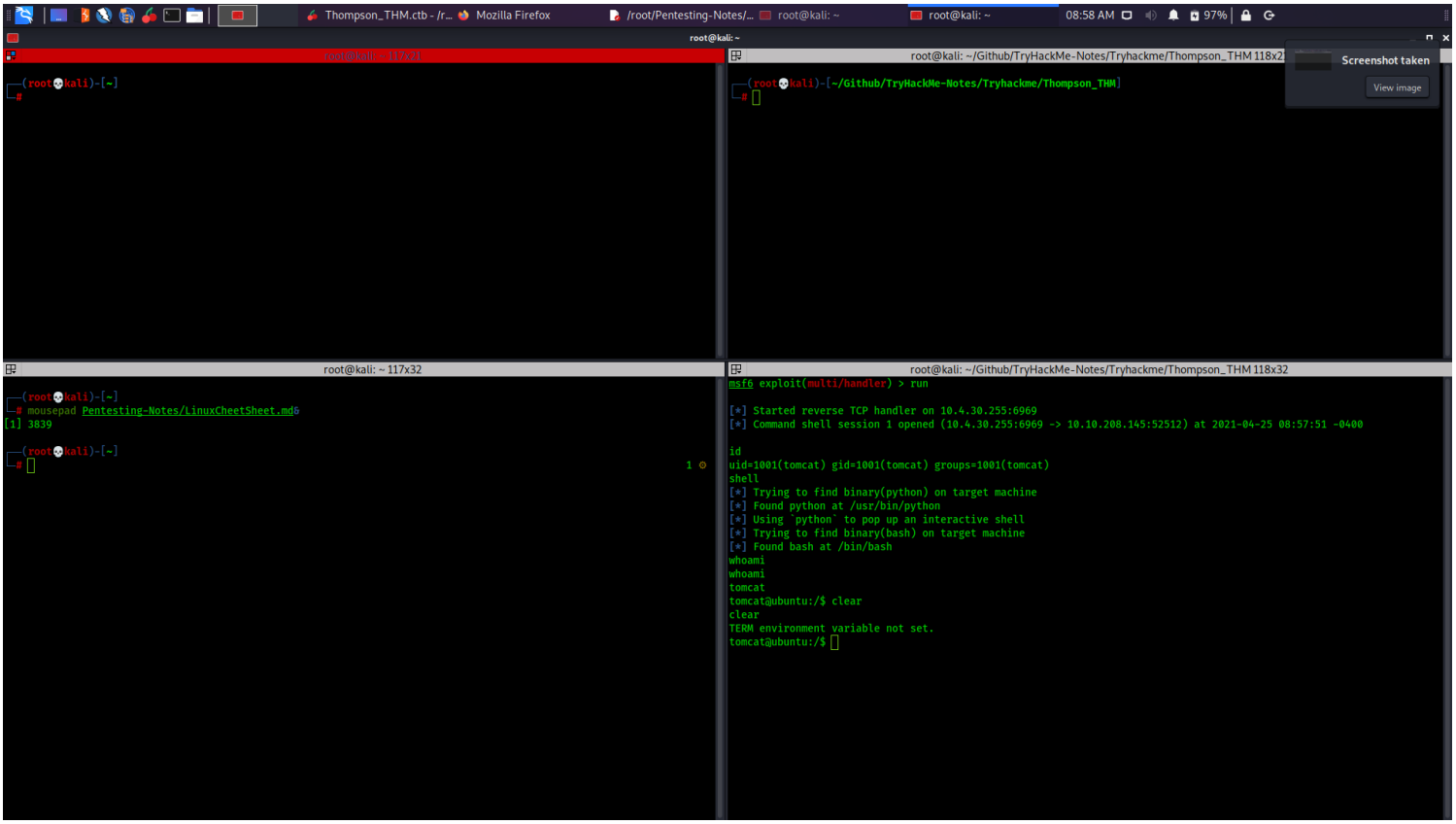
SSH:22

Tomcat:8080

Logged in /manager using default credenrials

Uploaded a war msfvenom payload

ran multi handler and got a shell



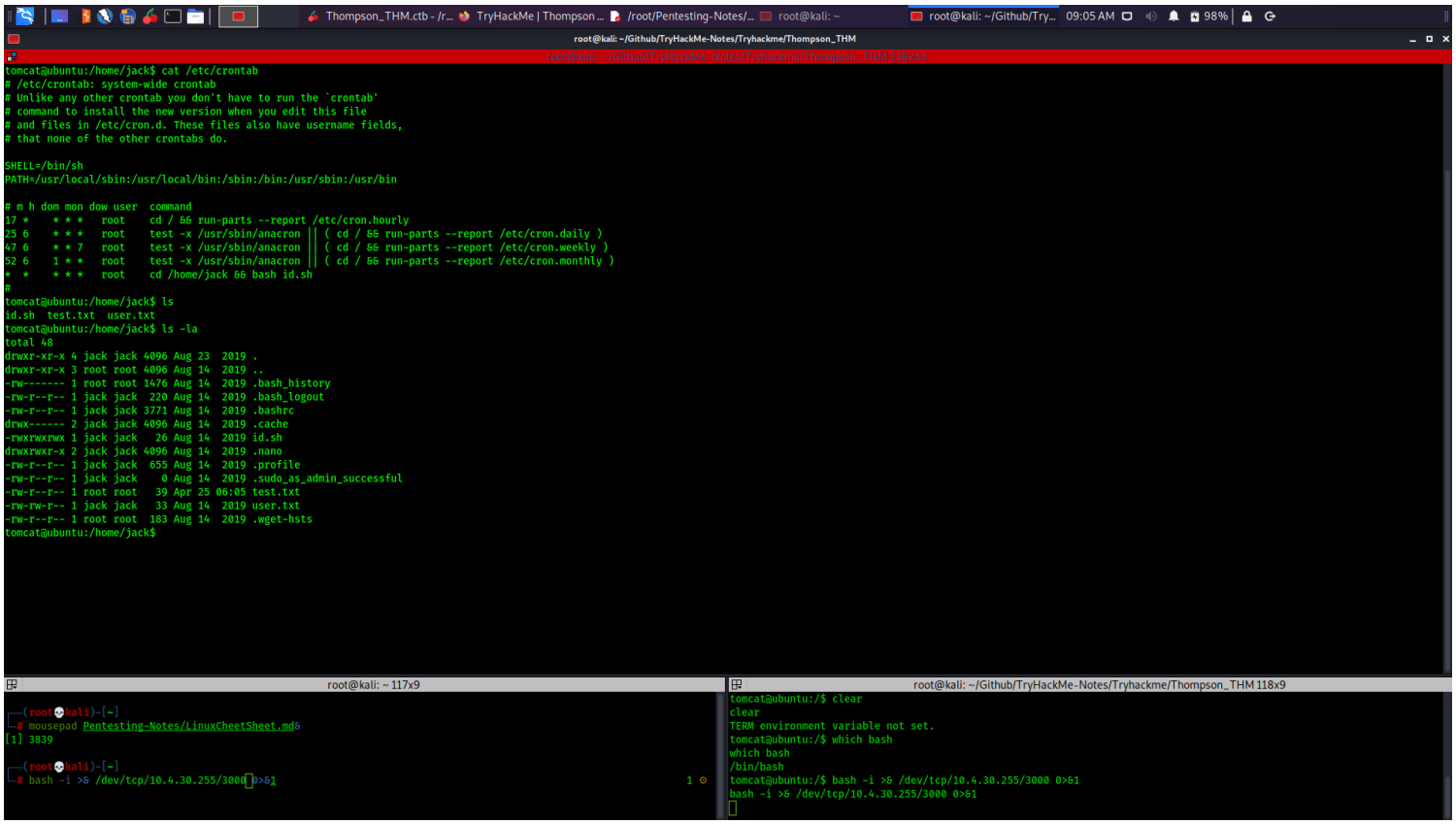
#

Exploitation

Post Exploitation

We get user flag

We Now See a cronjob running in a id.sh file being run by root and we can write to that file so we will just spawn a root shell from there



we write a reverrse shell code of bash and get a root shell back

Loot

Credentials

Tomcat Manager

tomcat:s3cret

Flags

User flag

39400c90bc683a41a8935e4719f181bf

Root Flag

d89d5391984c0450a95497153ae7ca3a