Final Report

**Group 4**

Offensive

# **Red Team: Summary of Operations**

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● Exposed Services

● Critical Vulnerabilities

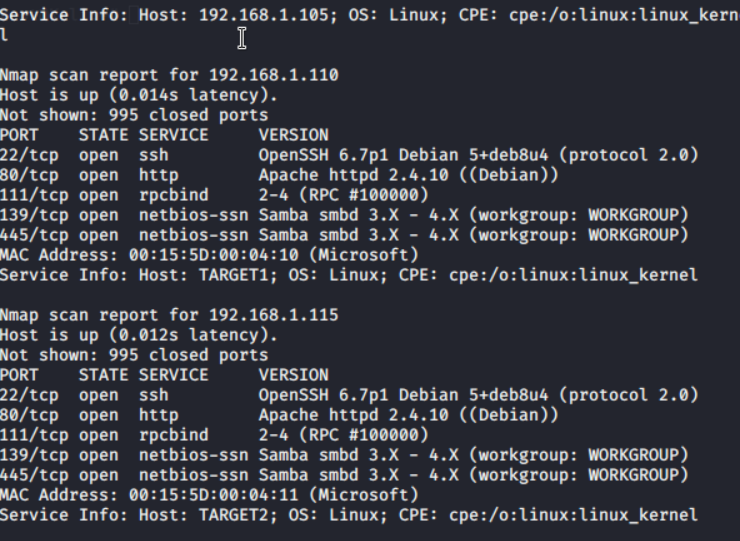
● Exploitation

## **Exposed Services**

Nmap scan results for each machine reveal the below services and OS details:

```bash

$ nmap -sV 192.168.1.0/24

Output: 

This scan identified the services below as potential points of entry:

- Target 1

- Port 22 (SSH)

- Port 80 (HTTP)

The following vulnerabilities were identified on each target:

- Target 1

- Wordpress scan identified users

- User “michael” has the same password as his user name

- Mysql log in for root was listed in plain text in “wp\_config.php” file

- Port 22 was listening to any IP address

- SSH with password capable

- Steven can run python with sudo privileges without needing a password

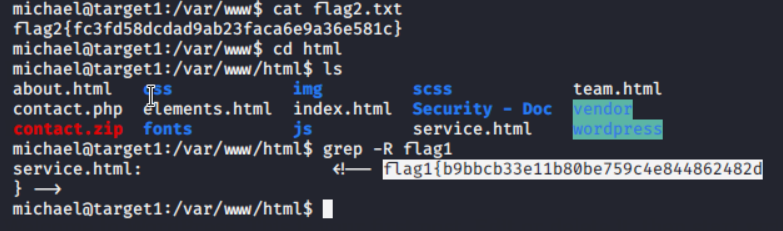
## **Exploitation**

The Red Team was able to penetrate Target 1 and retrieve the following confidential data:

- Flag 1 {b9bbcb33e11b80be759c4e844B62482d}

Exploit used: Grep -R flag1

Since Apache by default saves to “/var/www/html”, running the above



- Flag 2 {fc3fd58dcdad9ab23faca6e9a36e581c}

Exploit used: find /var/ -type f -iname “flag2”

Following a similar train of thought as finding flag 1, flag 2 was found 1

One directory higher. 

- Flag 3 and 4

Exploits used: There are 2 ways to get these at the same time using the “mysql”

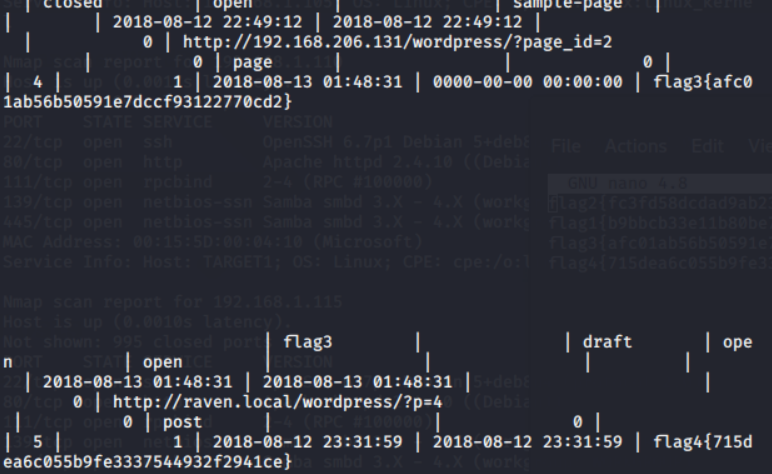
database.

Method 1: mysqldump -u root -p --all-databases >> mysql\_db.txt (enter password when prompted. Password was obtained through the “wp\_config.php” file). Next: cat mysql\_db.txt | grep flag (See below screenshot)

Method 2: mysql> SELECT post\_title,post\_content FROM wp\_posts WHERE

post\_title LIKE “flag%”; (This is done from a “mysql” interface. See below

screenshot.)



This concludes the collection of sensitive files on the Target 1 machine.