Red Team: Summary of Operations

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Exposed Services

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

\$ nmap 192.168.1.0/24 \$ nmap -A 192.168.1.0/24

```
Nmap scan report for 192.168.1.100
Host is up (0.00079s latency).
Not shown: 998 closed ports
PORT STATE SERVICE
22/tcp open ssh
9200/tcp open wap-wsp
MAC Address: 4C:EB:42:D2:D5:D7 (Intel Corporate)

Nmap scan report for 192.168.1.105
Host is up (0.00088s latency).
Not shown: 998 closed ports
PORT STATE SERVICE
22/tcp open ssh
80/tcp open http
MAC Address: 00:15:5D:00:04:0F (Microsoft)

Nmap scan report for 192.168.1.110
Host is up (0.00078s latency).
Not shown: 995 closed ports
PORT STATE SERVICE
22/tcp open ssh
80/tcp open http
111/tcp open rebind
139/tcp open netbios-ssn
445/tcp open microsoft-ds
MAC Address: 00:15:5D:00:04:10 (Microsoft)

Nmap scan report for 192.168.1.115
Host is up (0.00056s latency).
Not shown: 995 closed ports
PORT STATE SERVICE
22/tcp open sh
80/tcp open microsoft-ds
MAC Address: 00:15:5D:00:04:10 (Microsoft)

Nmap scan report for 192.168.1.115
Host is up (0.00056s latency).
Not shown: 995 closed ports
PORT STATE SERVICE
22/tcp open sch
80/tcp open incrosoft-ds
MAC Address: 00:15:5D:00:04:11 (Microsoft)

Nmap scan report for 192.168.1.90
Host is up (0.000080s latency).
Not shown: 999 closed ports
PORT STATE SERVICE
22/tcp open ssh
SMAC Address: 00:15:5D:00:04:11 (Microsoft)
Nmap scan report for 192.168.1.90
Host is up (0.000080s latency).
Not shown: 999 closed ports
```

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

- Target 1
 - 22/TCP
 - 80/TCP
 - o 111/TCP
 - o 139/TCP
 - o 445/TCP

The following vulnerabilities were identified on each target:

- Target 1
 - Weak user password
 - MySQL Database access
 - Recycling of Authentication Credentials

```
NordPress Security Scanner by the WBScan Team
Wersion 3.7.8

Sponsored by Automatic - https://automatic.com/
@.mBScan_, @ethicalmoker, @enam_ir, @firefart

| URL: http://192.168.1.110/wordpress/
| Started: Thu May 10 21:38:13 2022

Interesting Finding(s):
| Interesting Entry: Server: Apache/2.4.10 (Debian)
Found By: Headers (Passive Detection)
Confidence: 180%
| http://192.168.1.110/wordpress/
| Interesting Entry: Server: Apache/2.4.10 (Debian)
Found By: Headers (Passive Detection)
Confidence: 180%
| http://192.368.1.110/wordpress/xalroc.php
| Found By: Biseders (Passive Detection)
Confidence: 180%
| References:
| http://www.rapid7.com/db/mobules/auxiliary/scanner/http/wordpress_abort_scanner
| https://www.rapid7.com/db/mobules/auxiliary/scanner/http/wordpress_mirp. login
| https://www.rapid7.com/db/mobules/auxiliary/scanner/http/wordpress_plops_access
| https://www.rapid7.com/db/mobules/auxiliary/scanner/http/wordpress_plops_access
| http://192.168.1.110/wordpress/readee.html
| Found By: Direct Access (Aggressive Detection)
Confidence: 180%
| http://jou.db.1.110/wordpress/readee.html
| Found By: Direct Access (Aggressive Detection)
Confidence: 180%
| http://jou.db.1.110/wordpress/readee.html
| Found By: Direct Access (Aggressive Detection)
Confidence: 180%
| http://jou.db.1.110/wordpress/up-cron.php
| Found By: Direct Access (Aggressive Detection)
Confidence: 80%
| References:
| https://jou.db.1.110/wordpress/sup-cron.php
| Found By: Direct Access (Aggressive Detection)
| - http://jou.db.1.110/wordpress/sup-cron.php
| Found By: Broader Access (Aggressive Detection)
| - http://jou.db.1.110/wordpress/sup-cron.php
| Found By: Broader Access (Aggressive Detection)
| - http://jou.db.1.110/wordpress/sup-cron.php
| Found By: Broader Access (Aggressive Detection)
| - http://jou.db.1.110/wordpress/sup-cron.php
| Found By: Broader Access (Aggressive Detection)
| - http://jou.db.1.110/wordpress/sup-cron.php
| Found By: Broader Access (Aggressive Detection)
| - http://jou.db.1.110/wordpress/sup-cron.php
| Found By: Broade
```

```
root@Kali:~# ssh michael@192.168.1.110
michael@192.168.1.110's password:

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
You have new mail.
Last login: Wed May 18 10:15:26 2022 from 192.168.1.90
michael@target1:~$ __
```

Exploitation

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

- Target 1
 - flag2.txt: b9bbcb33e11b80be759c4e844862482d
 - Exploit Used
 - Guessed the password, was same as username
 - WPSCANNER
 - flag1.txt: b9bbcb33e11b80be759c4e844862482d
 - Exploit Used
 - SQL Injection/data exfiltration
 - Used Linux credentials to break into the database