Red Team: Summary of Operations

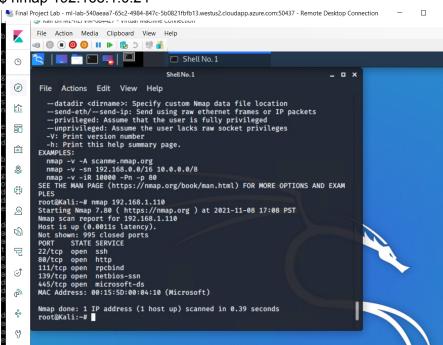
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Exposed Services

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

\$ nmap 192.168.1.0.24

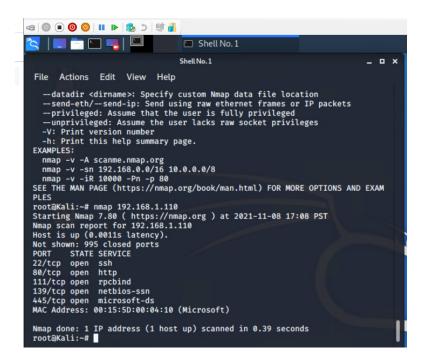


This scan identifies the services below as potential points of entry:

- Target 1
 - o Port 22 with SSH
 - o Port 80 with HTTP
 - o Port 111 with rpcbind
 - o Port 139 with Netbios-ssn
 - o Port 445 with Microsoft-ds

The following vulnerabilities were identified on each target:

- Target 1
 - SSH can allow unauthorized users to remote into a target machine and gain access to files or confidential information. It has a high severity. (https://www.cvedetails.com/cve/CVE-1999-0013/)
 - HTTP won't provide a secure session. Additionally, it can allow an attacker to send heavy traffic to deny access (a service) to the webpage. It has a high severity. <u>CVE-1999-0926</u>
 - rpcbind is used for listing active services, and telling the requesting client where to send the RPC request. If a host listens on port 111, one can use rpcinfo to get program numbers and ports and services running; (CVE-2017-8779, CVE-2015-7236, CVE-2010-2064, CVE-2010-2061)
 - Netbios on port 139 has known vulnerabilities on metasploit (https://searchsecurity.techtarget.com/answer/The-dangers-of-open-port-139
)CVE-2008–4250
 - Known vulnerabilities on metasploit for microsoft-ds on port 445.
 https://machn1k.wordpress.com/2012/10/29/smb-exploitation-port-445/
 CVE-2008–4250



TODO: Include vulnerability scan results to prove the identified vulnerabilities.

Exploitation

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

- Target 1
 - o flag1.txt: b9bbcb33e11b80be759c4e844862482d

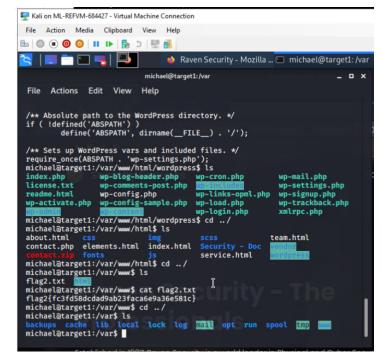
Exploit Used

- Able to SSH into the machine and cd into the directory /var/www/html/ to find the flag. Used grep to find it.
- grep -ER flag

flag2.txt: fc3fd58dcdada9ab23faca6e9a36e581c

Exploit Used

- SSH into the target and cd to the directory /var/www/ and ran a ls to find the flag2.txt
- cd /var/www/ and Is



mysql> SELECT * FROM wp_users;

| ID | user_login | user_pass | user_nicename | user_email | user_url | user_registered | user_activati |
on_key | user_status | display_name |

| 1 | michael | \$P\$\$BjRVZQ.VQcGZIDeiKToCQd.cPw5XCe0 | michael | michael@raven.org | 2018-08-12 22:49:12 |
| 0 | michael | |
| 2 | steven | \$P\$\$Bk3VD9jsxx/loJoqNsURgHiaB23j7W/ | steven | steven@raven.org | 2018-08-12 23:31:16 |
| 0 | Steven Seagull |
| 2 | rows in set (0.00 sec)