

Loot

Box Info

- Name : Bank
- IP : 10.10.10.29
- Level : Easy

Creds

Service	Username	Password	Description
Login Creds	chris@bank.htb	!##HTBB4nkP4ssw0rd!##	Found in /balance-transfers

Enumeration

Nmap

Quick Scan

```
sudo nmap --max-retries 0 -p- 10.10.10.29 -oN nmap/quick_scan
130 ↵
Starting Nmap 7.91 ( https://nmap.org ) at 2021-04-08 03:15 EDT
Warning: 10.10.10.29 giving up on port because retransmission cap hit (0).
Nmap scan report for 10.10.10.29
Host is up (0.19s latency).
Not shown: 61470 closed ports, 4062 filtered ports
PORT      STATE SERVICE
22/tcp    open  ssh
53/tcp    open  domain
80/tcp    open  http
```

Targeted Scan

- Enumerating ports

```
cat nmap/quick_scan | grep open | awk -F/ '{print $1}' ORS=','  
22,53,80,
```

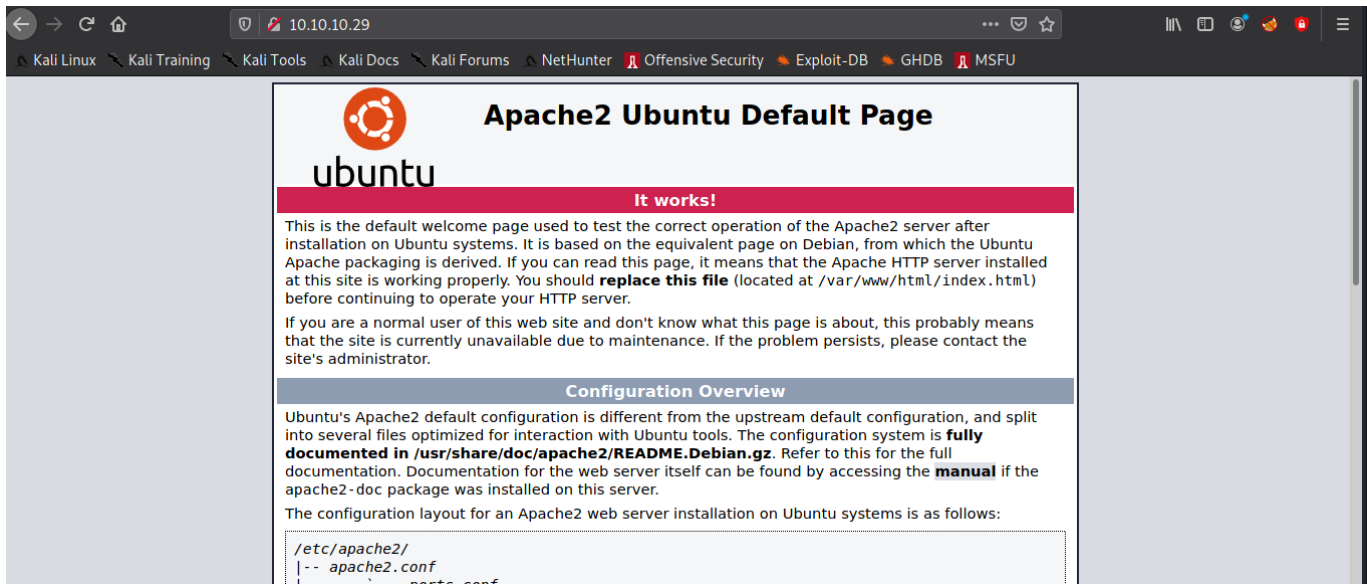
- Custom scripts and version enumeration

```
sudo nmap -sC -sV -p 22,53,80 10.10.10.29 -oA nmap/targeted_scan  
Starting Nmap 7.91 ( https://nmap.org ) at 2021-04-08 03:18 EDT  
Nmap scan report for 10.10.10.29  
Host is up (0.19s latency).  
  
PORT      STATE SERVICE VERSION  
22/tcp    open  ssh      OpenSSH 6.6.1p1 Ubuntu 2ubuntu2.8 (Ubuntu Linux; protocol 2.0)  
| ssh-hostkey:  
|   1024 08:ee:d0:30:d5:45:e4:59:db:4d:54:a8:dc:5c:ef:15 (DSA)  
|   2048 b8:e0:15:48:2d:0d:f0:f1:73:33:b7:81:64:08:4a:91 (RSA)  
|   256  a0:4c:94:d1:7b:6e:a8:fd:07:fe:11:eb:88:d5:16:65 (ECDSA)  
|_  256  2d:79:44:30:c8:bb:5e:8f:07:cf:5b:72:ef:a1:6d:67 (ED25519)  
53/tcp    open  domain   ISC BIND 9.9.5-3ubuntu0.14 (Ubuntu Linux)  
| dns-nsid:  
|_  bind.version: 9.9.5-3ubuntu0.14-Ubuntu  
80/tcp    open  http     Apache httpd 2.4.7 ((Ubuntu))  
|_http-server-header: Apache/2.4.7 (Ubuntu)  
|_http-title: Apache2 Ubuntu Default Page: It works  
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel  
  
Service detection performed. Please report any incorrect results at  
https://nmap.org/submit/ .  
Nmap done: 1 IP address (1 host up) scanned in 18.39 seconds
```

Quick Glance

- DNS TCP open, can use dig for zone transferring
- Apache 2.4.7 - Ubuntu

Website



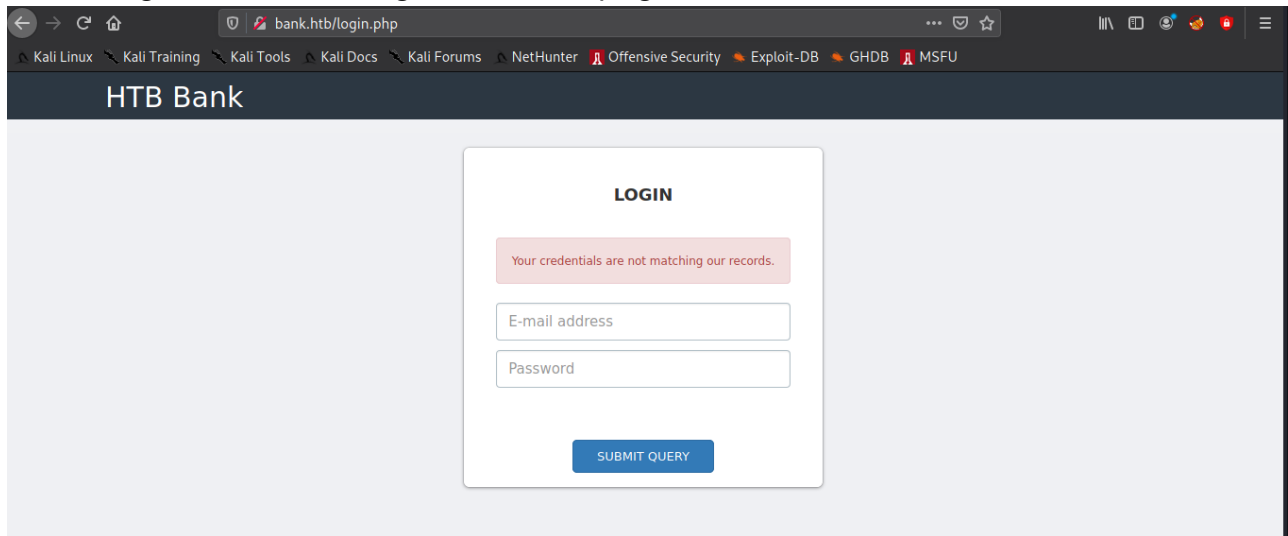
- Default apache page, therefore virtual hosts must be present, enumerating other hosts using zone transferring.

```
dig axfr @10.10.10.29 bank.htb

; <<>> DiG 9.16.13-Debian <<>> axfr @10.10.10.29 bank.htb
; (1 server found)
;; global options: +cmd
bank.htb.                604800  IN      SOA      bank.htb. chris.bank.htb. 5
604800 86400 2419200 604800
bank.htb.                604800  IN      NS       ns.bank.htb.
bank.htb.                604800  IN      A        10.10.10.29
ns.bank.htb.             604800  IN      A        10.10.10.29
www.bank.htb.            604800  IN      CNAME    bank.htb.
bank.htb.                604800  IN      SOA      bank.htb. chris.bank.htb. 5
604800 86400 2419200 604800
;; Query time: 184 msec
;; SERVER: 10.10.10.29#53(10.10.10.29)
;; WHEN: Thu Apr 08 03:22:27 EDT 2021
;; XFR size: 6 records (messages 1, bytes 171)
```

- New vhosts:
 - chris.bank.htb
 - ns.bank.htb
 - [www.bank.htb](#)

- Reloading www.bank.htb gives us new page



- chris.bank.htb gives us the default apache page.

login.php

- Seems like a PHP based website

Gobuster

```
gobuster dir -u http://bank.htb -w $MED_WORD -t 75 -o gb/bank_htb
/uploads                (Status: 301) [Size: 305] [--> http://bank.htb/uploads/]
/login.php              (Status: 200) [Size: 1974]
/support.php            (Status: 302) [Size: 3291] [--> login.php]
/assets                 (Status: 301) [Size: 304] [--> http://bank.htb/assets/]
/index.php              (Status: 302) [Size: 7322] [--> login.php]
/logout.php             (Status: 302) [Size: 0] [--> index.php]
/inc                    (Status: 301) [Size: 301] [--> http://bank.htb/inc/]
/server-status          (Status: 403) [Size: 288]
/balance-transfer       (Status: 301) [Size: 314] [--> http://bank.htb/balance-
transfer/]

```

- We get a page called balance-transfer which have encrypted usernames and passwords of all the transactions# Foothold

bank.htb/balance-transfer/

Kali Linux Kali Training Kali Tools Kali Docs Kali Forums NetHunter Offensive Security Exploit-DB GHDB MSFU

Index of /balance-transfer

Name	Last modified	Size	Description
Parent Directory	-		
0a0b2b566c723fce6c5dc9544d426688.acc	2017-06-15 09:50	583	
0a0bc61850b221f20d9f356913fe0fe7.acc	2017-06-15 09:50	585	
0a2f19f03367b83c54549e81edc2dd06.acc	2017-06-15 09:50	584	
0a629f4d2a830c2ca6a744f6bab23707.acc	2017-06-15 09:50	584	
0a9014d0cc1912d4bd93264466fd1fad.acc	2017-06-15 09:50	584	
0ab1b48c05d1dbc484238cfb9e9267de.acc	2017-06-15 09:50	585	
0abe2e8e5fa6e58cd9ce13037ff0e29b.acc	2017-06-15 09:50	583	
0b6ad026ef67069a09e383501f47bfee.acc	2017-06-15 09:50	585	
0b59b6f62b0bf2fb3c5a21ca83b79d0f.acc	2017-06-15 09:50	584	
0b45913c924082d2c88a804a643a29c8.acc	2017-06-15 09:50	584	
0be866bee5b0b4cff0e5beaa5605b2e.acc	2017-06-15 09:50	584	
0c04ca2346c45c28eceddb1cf62de4b.acc	2017-06-15 09:50	585	
0c4c9639defcfe73f6ce86a17f830ec0.acc	2017-06-15 09:50	584	
0ce1e50b4ee89c75489bd5e3ed54e003.acc	2017-06-15 09:50	584	

- We can see most of the files are around size : 585,584,583,582,581
- If we can find an anomaly

```
curl http://bank.htb/balance-transfers > bank_transfers
cat balance_transfers | grep -v "584\|585\|582\|583\|581"
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
<html>
<head>
<title>Index of /balance-transfer</title>
</head>
<body>
<h1>Index of /balance-transfer</h1>
<table>
<tr><th valign="top"></th><th><a
href="?C=N;O=D">Name</a></th><th><a href="?C=M;O=A">Last modified</a></th><th>
<a href="?C=S;O=A">Size</a></th><th><a href="?C=D;O=A">Description</a></th>
</tr>
<tr><th colspan="5"><hr></th></tr>
<tr><td valign="top"></td><td><a
href="/">Parent Directory</a></td><td>&nbsp;</td><td align="right"> - </td>
<td>&nbsp;</td></tr>
<tr><td valign="top"></td><td><a
href="68576f20e9732f1b2edc4df5b8533230.acc">68576f20e9732f1b2edc4df5b8533230.acc<
</td><td align="right">2017-06-15 09:50 </td><td align="right">257 </td>
<td>&nbsp;</td></tr>
<tr><th colspan="5"><hr></th></tr>
</table>
```

```
<address>Apache/2.4.7 (Ubuntu) Server at bank.htb Port 80</address>  
</body></html>
```

- We can see `68576f20e9732f1b2edc4df5b8533230.acc` is around size 257.
`curl http://bank.htb/balance-transfers/68576f20e9732f1b2edc4df5b8533230.acc -o file.txt`
- file.txt has creds of chris.
- Login and go to support.php
- We can upload file, but only accepting image files. In source code, it is mentioned in [DEBUG] → .htb files can be uploaded to be executed as php
- We can rename our reverseshell to .htb, we can upload and get a reverse shell. Start listener on local machine before hand.

Privilege Escalation

- We are currently www-data, we can cat out /home/chris/user.txt
- When we traverse backwards, we can see interesting directory in /var → /var/htb
- There is a binary which is owned by root:root and can be executed by us.
- Execute and it asks are we sure we want get root shell [y/n]
- Press y and we can get rootshell. Cat out the root.txt