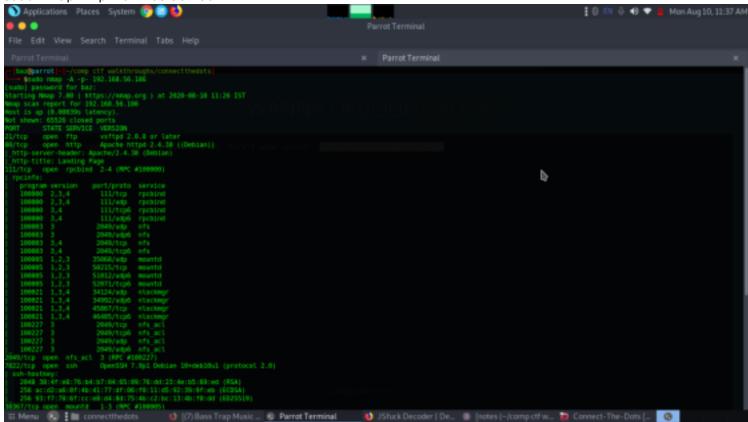
#### **Connect The Dots**

IP-192.168.56.186 Walkthrough by Basil Wattlecorp Cybersecurity Labs

## Reconnaisance

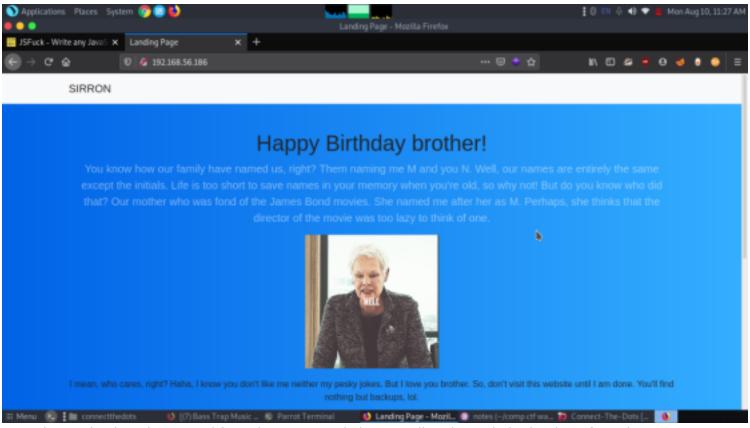
let's check open ports, services, version etc using nmap sudo nmap -A -p- 192.168.56.186



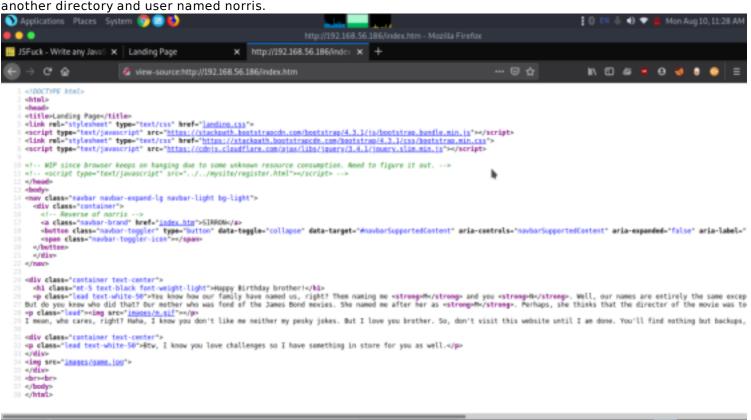
Great we got six open ports and it's services from nmap output. Let's enumerate and get to the user and root access.

### **Enumeration**

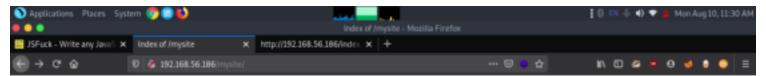
Let's start to analyse from port 80.



It was just a simple webpage and from the source code it was redirecting to index.html.But from that source we got another directory and user named norris.



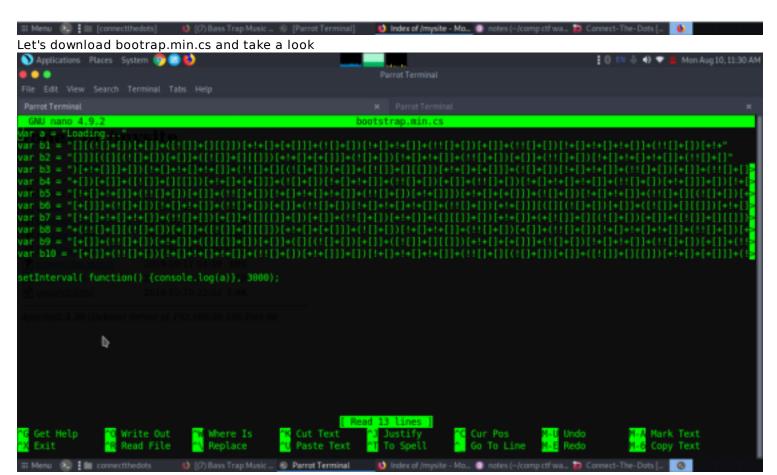
Great we a directory named mysite and after spending somemore time figuring out to move on we found bootstrap.cs contains jsfuck encoded.



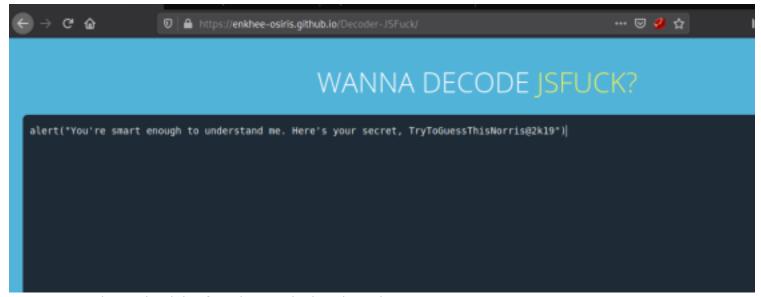
#### Index of /mysite

Name	Last modified	Size Description
Parent Directory		
all.css	2019-10-10 22:17	54K
hootstrap.bundle.min.js	2019-10-11 04:50	77K
bootstrap.min.cs	2019-10-11 04:52	66K
hootstrap.min.css	2019-10-11 04:49	152K
jquery.slim.min.js	2019-10-11 04:49	69K
register.css	2019-10-10 22:17	2.4K
register.html	2019-10-10 22:22	1.9K

Apache/2.4.38 (Debian) Server at 192.168.56.186 Port 80



Now let's delete these characters var a = " and also the last line. Make sure to delete all characters before decoding. Then lets decode it using online decoders.



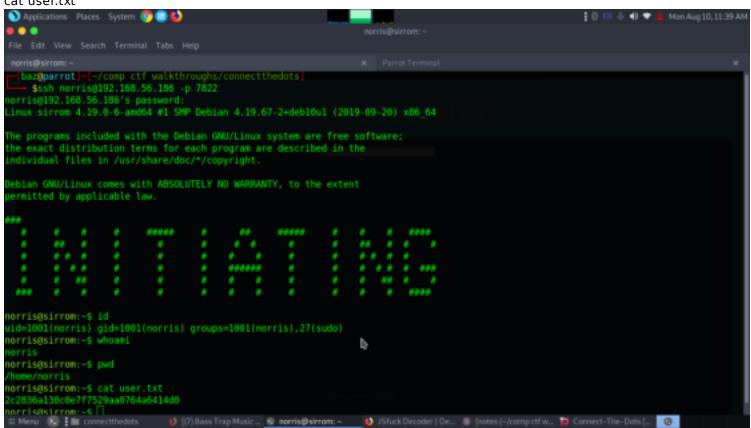
Great we got the credentials of norris. Let's login using ssh

# **Exploitation**

Since we have credentials of norris. Let's directly login. ssh norris@192.168.56.186 pass- TryToGuessThisNorris@2k19")

id

cat user.txt



Great we got the user flag. Now since there is only one user we just have to escalate directly to root.

Thus, we explored further and looked for weak service configuration such as SUDO and SUID permission but found nothing related to it. After spending some more time, we saw capability with +ep permission is set on tar program with the help of given below command.

/sbin/getcap -r / 2>/dev/null

Now it was time to exploit the given permissions on the tar program, so we created the "raj.tar" archive for the / root / root.txt file, and then extract the generated tar file from the current directory as shown below.

/usr/bin/tar -cvf raj.tar /root/root.txttar -xvf raj.tar

As a result, we'll have the root directory in our current directory, so we'll be able to read the root.txt file as shown.

cd rootcat root.txt

