Objective:

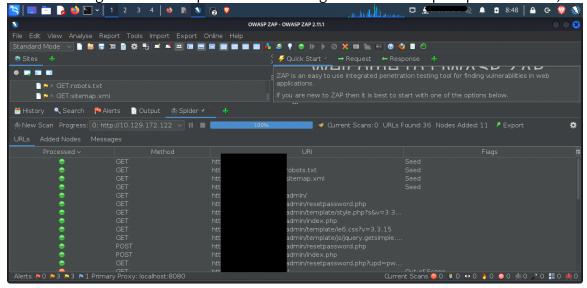
Task 1: enumerate host and gain a foothold. Read User1.txt

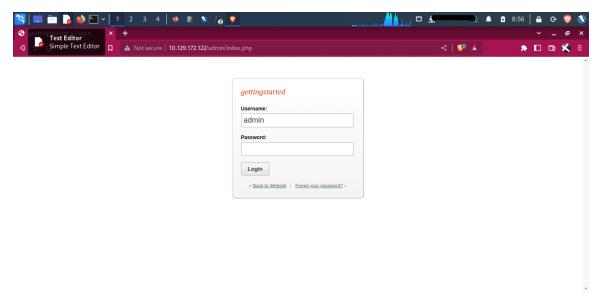
Task 2: escalate privilege to root and read root.txt

After receiving the IP: I used a series of nmap scans to determine what services were running and the state of ports. This includes versions

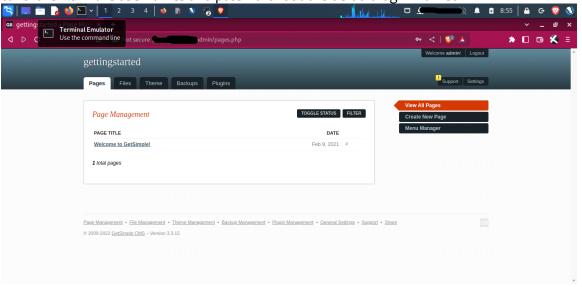


After observing there was an apache server running I used OWASPzap to spider it further,

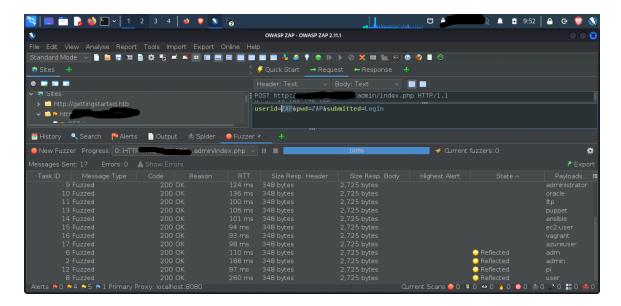




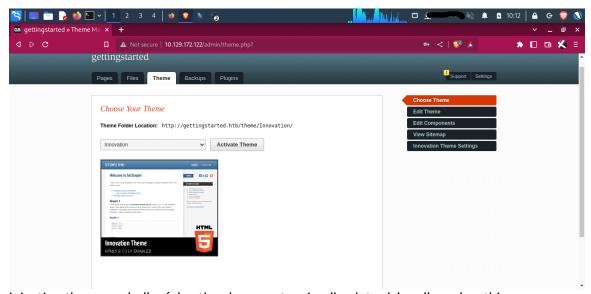
I found a few pages, a robots.txt that had no useful information, and the admin page. I, on a whim, tried logging in with the default admin/admin to try to capture the traffick, so I could use OWASPzap to further fuzz the usernames and password. but the default login worked.



I fuzzed the usernames anyway

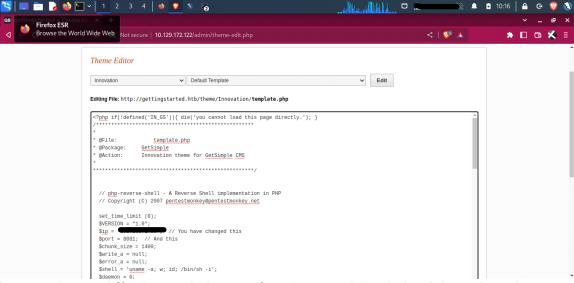


After logging in the admin page I attempted to inject a PHP reverseshell from pentestmonkey into the theme page



injecting the revershell (also the chrom extension 'hack tools' really makes this super easy.

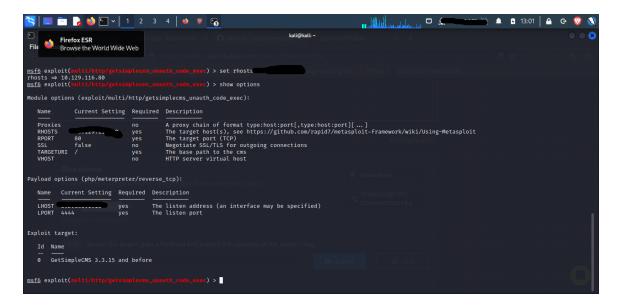
I set up a netcat listener and attempted to get a reverse shell



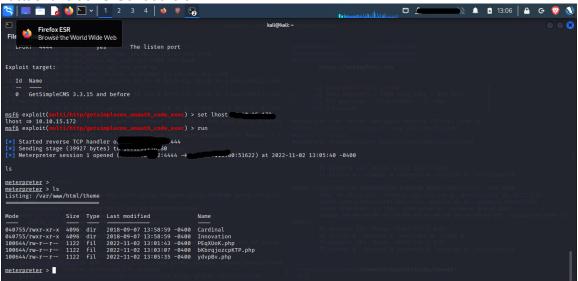
but I was having difficulties with the use of app 'get simple' with the ability to host the page.

So when research the 'get simple' I found that there was an exploit in Metasploit

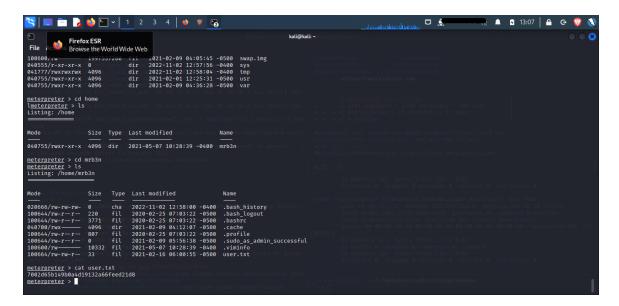
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File FirefoxESR
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FirefoxESR
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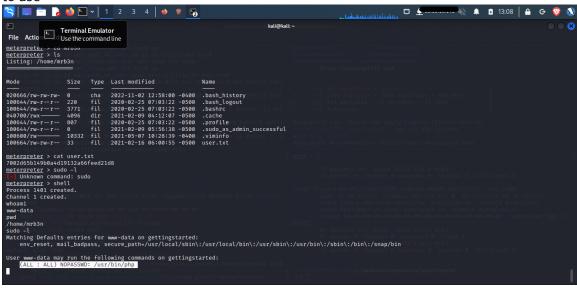
I attack and achieve a foothold



I find the user.txt and the hash flag

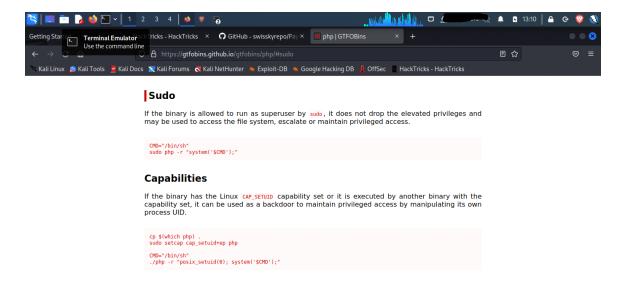


I used the linux command ' Sudo - I ' which shows me what linux commands this user has the ability to use

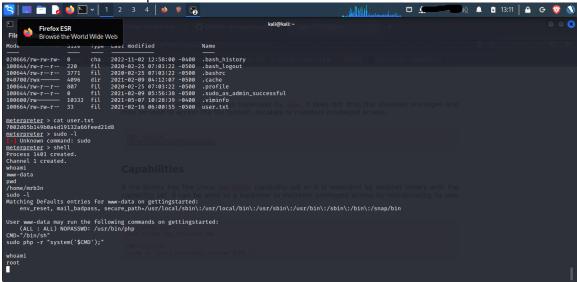


This user has /usr/bin/php command

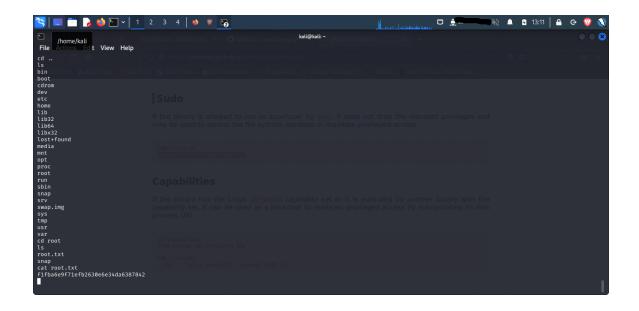
I use this information to search a site called GTFObins. This site has a collection of ways to exploit configurations in linux



this PHP command will promote the users to root



I then read the root.txt for the hash



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