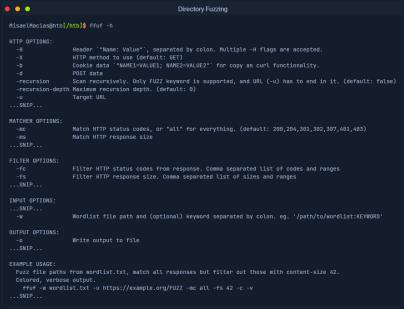
Directory Fuzzing

Now that we understand the concept of Web Fuzzing and know our wordlist, we should be ready to start using ffuf to find website directories.

Ffuf

Ffuf is pre-installed on your PwnBox instance. If you want to use it on your own machine, you can either use "apt install ffuf -y" or download it and use it from its GitHub Repo. As a new user of this tool, we will start by issuing the ffuf -h command to see how the tools can



As we can see, the help output is quite large, so we only kept the options that may become relevant for us in this module.

Directory Fuzzing

As we can see from the example above, the main two options are -w for wordlists and -u for the URL. We can assign a wordlist to a keyword to refer to it where we want to fuzz. For example, we can pick our wordlist and assign the keyword FUZZ to it by adding :FUZZ after it:

```
MisaelMacias@htb[/htb]$ ffuf -w /opt/useful/seclists/Discovery/Web-Content/directory-list-2.3-small.txt:FUZZ
```

Next, as we want to be fuzzing for web directories, we can place the FUZZ keyword where the directory would be within our URL, with:

```
. . .
                                                   Directory Fuzzing
 MisaelMacias@htb[/htb]$ ffuf -w <SNIP> -u http://SERVER_IP:PORT/FUZZ
```

Now, let's start our target in the question below and run our final command on it:

```
Directory Fuzzing
MisaelMacias@htb[/htb]$ ffuf -w /opt/useful/seclists/Discovery/Web-Content/directory-list-2.3-small.txt:FUZZ -u http:/
    Wordlist :
Follow redirects :
Calibration :
 :: Timeout
blog [Status: 301, Size: 326, Words: 20, Lines: 10]
:: Progress: [87651/87651] :: Job [1/1] :: 9739 req/sec :: Duration: [0:00:09] :: Errors: 0 ::
```

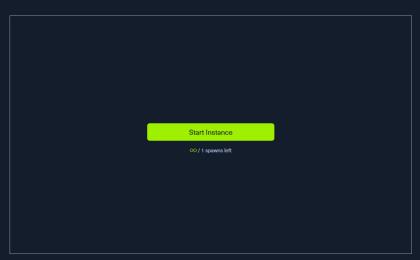


We can even make it go faster if we are in a hurry by increasing the number of threads to 200, for example, with -t 280, but this is not recommended, especially when used on a remote site, as it may disrupt it, and cause a Denial of Service, or bring down your internet connection in severe cases. We do get a couple of hits, and we can visit one of them to verify that it exists:



We get an empty page, indicating that the directory does not have a dedicated page, but also shows that we do have access to it, as we do not get an HTTP code 484 Not Found or 483 Access Denied. In the next section, we will look for pages under this directory to see whether it is really empty or has hidden files and pages.





Waiting to start...

