

Sub-domain Fuzzing

In this section, we will learn how to use `ffuf` to identify sub-domains (i.e., `*.website.com`) for any website.

Sub-domains

- A `wordlist`
- A `target`

```
MichaelLuka@htb[/htb]$ ffuf -w /opt/useful/SecLists/Discovery/DNS/subdomains-top1million-5000.txt:FUZZ -u https://FUZZ.hackthebox.eu

      /\_/\  /\_/\      /\_/\
     /\_\/  /\_\/  __  /\_\/
    /\_\/  /\_\/  /\_\/  /\_\/
    /\_\/  /\_\/  /\_\/  /\_\/
    /\_\/  /\_\/  /\_\/  /\_\/
    /\_\/  /\_\/  /\_\/  /\_\/

v1.1.0-git

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:: Method      : GET
:: URL         : https://FUZZ.hackthebox.eu
:: Wordlist    : FUZZ: /opt/useful/SecLists/Discovery/DNS/subdomains-top1million-5000.txt
:: Follow redirects : false
:: Calibration : false
:: Timeout      : 10
:: Threads     : 40
:: Matcher     : Response status: 200

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forum      [Status: 200, Size: 72197, Words: 3664, Lines: 675]
www        [Status: 200, Size: 21268, Words: 1720, Lines: 1]
help       [Status: 200, Size: 25830, Words: 5049, Lines: 364]
<...SNIP...>
```

We see that we do get a few hits back. We can verify that these are actual sub-domains by visiting one of them:

How can we help?

Search for answers or browse our help articles.

We see that indeed these are working sub-domains. Now, we can try running the same thing on **academy.htb** and see if we get any hits back:

```
MichaelLuka@htb[/htb]$ ffuf -w /opt/useful/SecLists/Discovery/DNS/subdomains-top1million-5000.txt:FUZZ -u http://FUZZ.academy.htb

      /'___\  /'___\  /'___\
     /\___/ /\___/  __  __ /\___/
    \ \ ,__\ \ \ ,__\ \ \ \ \ \ ,__\
    \ \ \_/\ \ \ \_/\ \ \_/\ \ \_/\
    \ \_/\  \ \_/\  \ \_/\  \ \_/\
     \_/\    \_/\    \_/\    \_/\

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:: Method      : GET
:: URL         : https://FUZZ.academy.htb/
:: Wordlist    : FUZZ: /opt/useful/SecLists/Discovery/DNS/subdomains-top1million-5000.txt
:: Follow redirects : false
:: Calibration : false
:: Timeout     : 10
:: Threads    : 40
:: Matcher     : Response status: 200,204,301,302,307,401,403

-----

:: Progress: [4997/4997] :: Job [1/1] :: 131 req/sec :: Duration: [0:00:38] :: Errors: 4997 ::
```

We see that we do not get any hits back. Does this mean that there are no sub-domain under **academy.htb**? - No.


This means that there are no **public** sub-domains under **academy.htb**, as it does not have a public DNS record, as previously mentioned. Even though we did add **academy.htb** to our **/etc/hosts** file, we only added the main domain, so when **ffuf** is looking for other sub-domains, it will not find them in **/etc/hosts**, and will ask the public DNS, which obviously will not have them.

Start Instance


1 / 1 spawns left

Waiting to start...

Questions

 Cheat Sheet

Answer the question(s) below to complete this Section and earn cubes!


+ 0 


HackTheBox has an online Swag Shop. Try running a sub-domain fuzzing test on 'hackthebox.eu' to find it. What is the full domain of it?

Submit your answer here...

 Submit

 Hint

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 Cheat Sheet







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 Start Instance

1 / 1 spawns left