🏪🔎NehamStore: Recon

Introduction

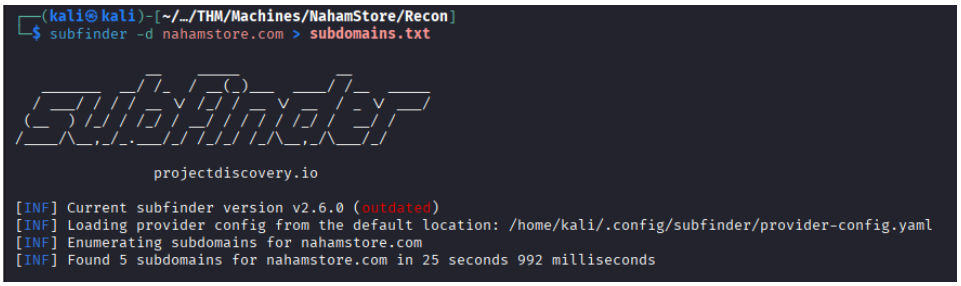
The recognition phase is almost the most important face at the moment to do web penetration testing, because it will give us a wider attack surface than just the domain that has been assigned to us.

In this phase we are going to perform OSINT recognition, such as subdomain identification, and Active Recognition such as directory listing.

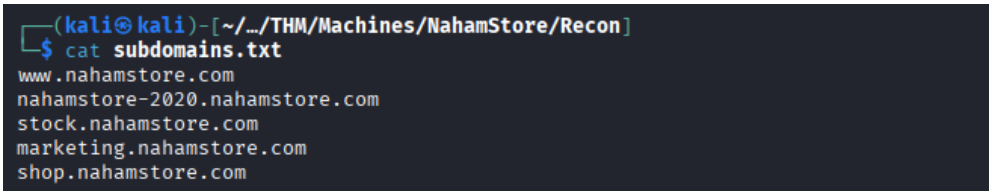
🔽👀Subdomain Enumeration

The first recon action that I did was Subdomain enumeration**.** To this purpose Nahamsec has provided an internet domain so that we can conduct these tests, the domain is ***nahamstore.com.*** The goal is that, once the subdomains are identified, they are added to the ***/etc/hosts*** file of our attacking machine, changing the **.com** to **.thm**.

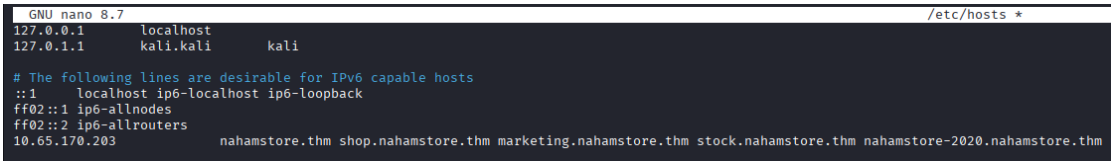
The tool that i used was ***subfinder***:



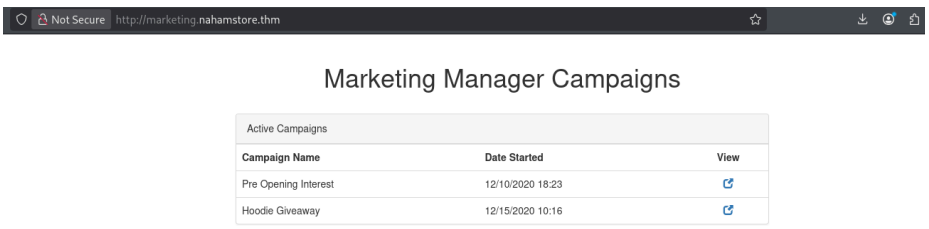
And these were with identified subdomains:



Then i added to my file **etc/host**:



We can visit a one of these sub domain to confim:



👁️ Nmap: Ports and Sevices

The full nmap port scan gives us three open ports:

```
┌──(kali㉿kali)-[~/…/THM/Machines/NahamStore/Recon]
└─$ sudo nmap -sS -n -Pn -p- -T4 nahamstore.thm
Starting Nmap 7.95 ( https://nmap.org ) at 2025-12-23 08:19 AST
Nmap scan report for nahamstore.thm (10.65.170.203)
Host is up (0.071s latency).
Not shown: 65532 closed tcp ports (reset)
PORT     STATE SERVICE
22/tcp   open  ssh
80/tcp   open  http
8000/tcp open  http-alt

Nmap done: 1 IP address (1 host up) scanned in 33.80 seconds
```

And when we did a service scan we received this:

```
┌──(kali㉿kali)-[~/…/THM/Machines/NahamStore/Recon]
└─$ sudo nmap -sCV -n -T4 -p22,80,8000 nahamstore.thm
Starting Nmap 7.95 ( https://nmap.org ) at 2025-12-23 08:36 AST
Nmap scan report for nahamstore.thm (10.65.170.203)
Host is up (0.059s latency).

PORT     STATE SERVICE VERSION
22/tcp   open  ssh     OpenSSH 7.6p1 Ubuntu 4ubuntu0.3 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   2048 84:6e:52:ca:db:9e:df:0a:ae:b5:70:3d:07:d6:91:78 (RSA)
|   256 1a:1d:db:ca:99:8a:64:b1:8b:10:df:a9:39:d5:5c:d3 (ECDSA)
|_  256 f6:36:16:b7:66:8e:7b:35:09:07:cb:90:c9:84:63:38 (ED25519)
80/tcp   open  http    nginx 1.14.0 (Ubuntu)
|_http-server-header: nginx/1.14.0 (Ubuntu)
|_http-title: NahamStore - Home
| http-cookie-flags:
|   /:
|     session:
|_      httponly flag not set
8000/tcp open  http    nginx 1.18.0 (Ubuntu)
| http-robots.txt: 1 disallowed entry
|_/admin
|_http-open-proxy: Proxy might be redirecting requests
|_http-title: Site doesn't have a title (text/html; charset=UTF-8).
|_http-server-header: nginx/1.18.0 (Ubuntu)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 14.14 seconds
```

In summary, the nmap scan revealed that the website has three open ports: an ssh connection on port 22, an HTTP server on port 80, and another HTTP service on ***port 8000***, along with a ***/robots.txt*** directory and a ***/admin*** directory.

🗂️ Directory bruteforcing

To perform a directory brute force, use feroxbuster, but with a ***"one-liner" in bash*** to perform the process on all subdomains, not just the main domain, but also those saved in the subdomains.txt file. The one liner was:

```
for domain in $(cat subdomains.txt); do feroxbuster -u http://$domain -w /usr/share/seclists/Discovery/Web-Content/raft-medium-directories.txt -t 100 --time-limit 1m -o Ferox_$domain.txt; done
```

```
┌──(kali㉿kali)-[~/…/THM/Machines/NahamStore/Recon]
└─$ for domain in $(cat subdomains.txt); do feroxbuster -u http://$domain -w /usr/share/seclists/Discovery/Web-Content/raft-medium-directories.txt -t 100 --time-limit 1m -o Ferox_$domain.txt; done

 ___  ___  __   __     __      __         __   ___
|__  |__  |__) |__) | /  `    /  \ \_/ | |  \ |__
|    |___ |  \ |  \ | \__,    \__/ / \ | |__/ |___
by Ben "epi" Risher 😊                 ver: 2.13.0
 🎯 Target Url            http://nahamstore.thm/
 🚩 In-Scope Url          nahamstore.thm
 🚀 Threads               100
 📖 Wordlist              /usr/share/seclists/Discovery/Web-Content/raft-medium-directories.txt
 👌 Status Codes          All Status Codes!
 💥 Timeout (secs)        7
 🦡 User-Agent            feroxbuster/2.13.0
 💉 Config File           /etc/feroxbuster/ferox-config.toml
 🔎 Extract Links         true
 💾 Output File           Ferox_nahamstore.thm.txt
 🏁 HTTP methods          [GET]
 🔃 Recursion Depth       4
 🕖 Time Limit            1m
 🎉 New Version Available https://github.com/epi052/feroxbuster/releases/latest
 🏁 Press [ENTER] to use the Scan Management Menu™
```

All the information was saved in its respective file:

```
┌──(kali㉿kali)-[~/…/Machines/NahamStore/Recon/Directory Listing]
└─$ ls -l
total 892
-rw-rw-r-- 1 kali kali   5006 Dec 23 18:09 Ferox_marketing.nahamstore.thm.txt
-rw-rw-r-- 1 kali kali   4732 Dec 23 18:07 Ferox_nahamstore-2020.nahamstore.thm.txt
-rw-rw-r-- 1 kali kali 877778 Dec 23 18:07 Ferox_nahamstore.thm.txt
-rw-rw-r-- 1 kali kali   4699 Dec 23 18:09 Ferox_shop.nahamstore.thm.txt
-rw-rw-r-- 1 kali kali   4853 Dec 23 18:08 Ferox_stock.nahamstore.thm.txt
```

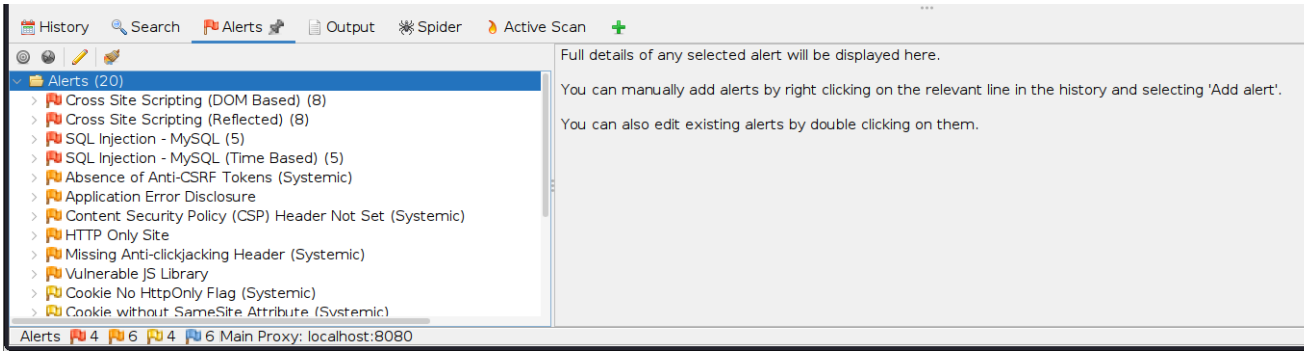
🤖 Web technologies

To enumerate the technologies that runs in the web application all its subdomain i used **whatweb**

```
┌──(kali㉿kali)-[~/Desktop/THM/Machines/NahamStore]
└─$ whatweb -i subdomains.txt --no-errors | tee technologies.txt
http://stock.nahamstore.thm/ [200 OK] Country[RESERVED][ZZ], HTTPServer[Ubuntu Linux][nginx/1.14.0 (Ubuntu)], IP[10.67.166.47], nginx[1.14.0]
http://shop.nahamstore.thm/ [301 Moved Permanently] Country[RESERVED][ZZ], HTTPServer[Ubuntu Linux][nginx/1.14.0 (Ubuntu)], IP[10.67.166.47], Red
irectLocation[http://nahamstore.thm], Title[301 Moved Permanently], nginx[1.14.0]
http://nahamstore.thm/ [200 OK] Bootstrap[3.3.7], Cookies[session], Country[RESERVED][ZZ], HTML5, HTTPServer[Ubuntu Linux][nginx/1.14.0 (Ubuntu)]
, IP[10.67.166.47], JQuery, Script, Title[NahamStore - Home], X-UA-Compatible[IE=edge], nginx[1.14.0]
http://marketing.nahamstore.thm/ [200 OK] Bootstrap[3.3.7], Country[RESERVED][ZZ], HTML5, HTTPServer[Ubuntu Linux][nginx/1.14.0 (Ubuntu)], IP[10.
67.166.47], Title[Marketing Manager - Active Campaigns], X-UA-Compatible[IE=edge], nginx[1.14.0]
http://nahamstore.thm [200 OK] Bootstrap[3.3.7], Cookies[session], Country[RESERVED][ZZ], HTML5, HTTPServer[Ubuntu Linux][nginx/1.14.0 (Ubuntu)],
 IP[10.67.166.47], JQuery, Script, Title[NahamStore - Home], X-UA-Compatible[IE=edge], nginx[1.14.0]
```

🔎🕷️ Vulnerability Analysis

To perform the vulnerability analysis I used OWASP Zap Proxy



As we can see, Zap found several **high-risk** vulnerabilities. I saved the report in HTML format to consult it in the future exploitation phase.

And to expand the vulnerability analysis, use **Nuclei**, passing it the list with all subdomains and saving it in a .txt file.

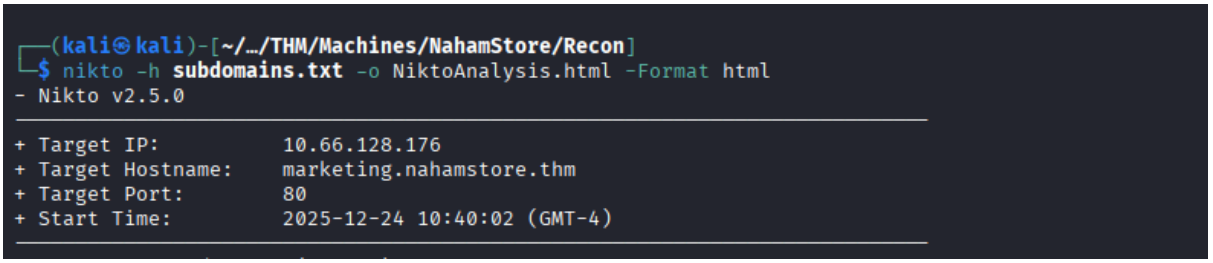
```
┌──(kali㉿kali)-[~/…/THM/Machines/NahamStore/Recon]
└─$ nuclei -l subdomains.txt -o VulnAnalisis.txt

                     __     _
   ____  __  _______/ /__  (_)
  / __ \/ / / / ___/ / _ \/ /
 / / / / /_/ / /__/ /  __/ /
/_/ /_/\__,_/\___/_/\___/_/   v3.6.1

                projectdiscovery.io

[WRN] Found 1 templates with runtime error (use -validate flag for further examination)
[INF] Current nuclei version: v3.6.1 (latest)
[INF] Current nuclei-templates version: v10.3.5 (latest)
[INF] New templates added in latest release: 57
[INF] Templates loaded for current scan: 8996
[INF] Executing 8994 signed templates from projectdiscovery/nuclei-templates
[WRN] Loading 2 unsigned templates for scan. Use with caution.
[INF] Targets loaded for current scan: 5
```

Finally i perform a last vulnerability analysis using **Nikto** to the main domain and all subdomain saving the result in a HTML file



Conclusion

And with all this, we conclude the reconnaissance phase. All this information that we have collected will be used in the previous exploitation phase