Vm: funbox gaokao
ip:192.168.56.116

```
┌─[user@parrot]─[~/Documents]
└──╼ $nmap -sP 192.168.56.106/24 --exclude 192.168.56.106
Starting Nmap 7.91 ( https://nmap.org ) at 2021-06-20 22:52 +08
Nmap scan report for 192.168.56.1
Host is up (0.0021s latency).
Nmap scan report for 192.168.56.116
Host is up (0.013s latency).
Nmap done: 255 IP addresses (2 hosts up) scanned in 8.59 seconds
┌─[user@parrot]─[~/Documents]
└──╼ $
```

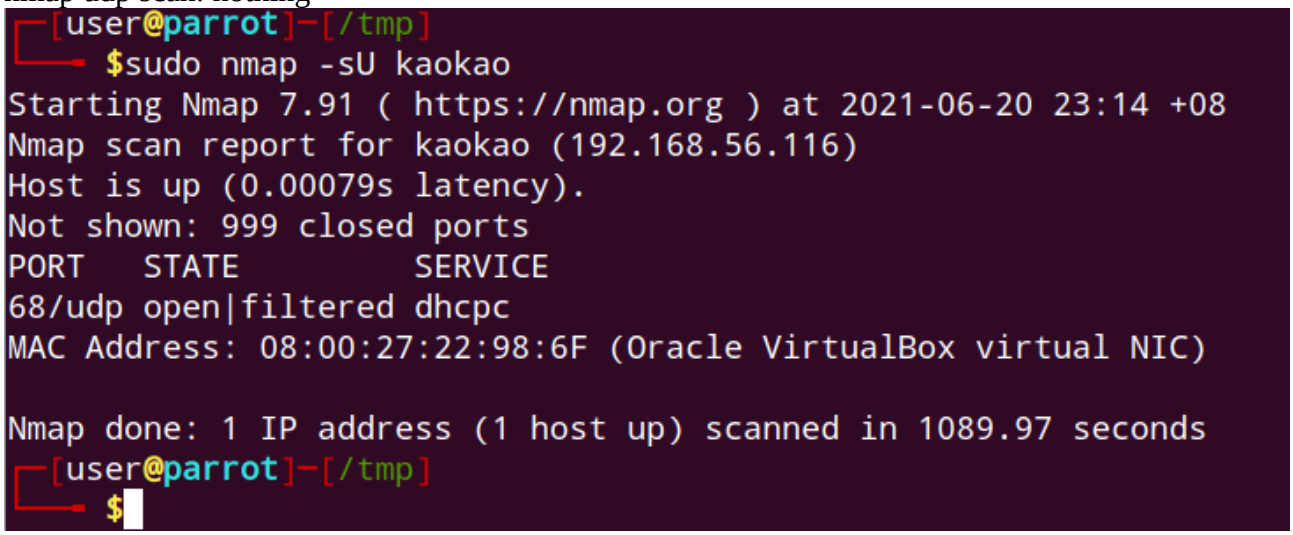
same results as above

```
Currently scanning: Finished!   |   Screen View: Unique Hosts

7 Captured ARP Req/Rep packets, from 3 hosts.   Total size: 420
_____________________________________________________________________________
  IP            At MAC Address     Count     Len  MAC Vendor / Hostname
-----------------------------------------------------------------------------
192.168.56.1    0a:00:27:00:00:11      2     120  Unknown vendor
192.168.56.100  08:00:27:a7:88:7e      2     120  PCS Systemtechnik GmbH
192.168.56.116  08:00:27:22:98:6f      3     180  PCS Systemtechnik GmbH

┌─[✗]─[root@parrot]─[/home/user/Documents]
└──╼ #
```

nmap scan

```
└──╼ #nmap -sC -sV -p- kaokao
Starting Nmap 7.91 ( https://nmap.org ) at 2021-06-20 22:54 +08
Nmap scan report for kaokao (192.168.56.116)
Host is up (0.0013s latency).
Not shown: 65531 closed ports
PORT     STATE SERVICE VERSION
21/tcp   open  ftp     ProFTPD 1.3.5e
| ftp-anon: Anonymous FTP login allowed (FTP code 230)
|_-rw-r--r--   1 ftp      ftp           169 Jun  5 19:45 welcome.msg
22/tcp   open  ssh     OpenSSH 7.6p1 Ubuntu 4ubuntu0.3 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   2048 48:39:31:22:fb:c2:03:44:a7:4e:c0:fa:b8:ad:2f:96 (RSA)
|   256 70:a7:74:5e:a3:79:60:28:1a:45:4c:ab:5c:e7:87:ad (ECDSA)
|_  256 9c:35:ce:f6:59:66:7f:ae:c4:d1:21:16:d5:aa:56:71 (ED25519)
80/tcp   open  http    Apache httpd 2.4.29 ((Ubuntu))
|_http-server-header: Apache/2.4.29 (Ubuntu)
|_http-title: Wellcome to Funbox: Gaokao !
3306/tcp open  mysql   MySQL 5.7.34-0ubuntu0.18.04.1
| mysql-info:
|   Protocol: 10
|   Version: 5.7.34-0ubuntu0.18.04.1
|   Thread ID: 3
|   Capabilities flags: 65535
|   Some Capabilities: DontAllowDatabaseTableColumn, LongPassword, Speaks41ProtocolOld, SupportsTransactions, Conn
ectWithDatabase, IgnoreSigpipes, SwitchToSSLAfterHandshake, LongColumnFlag, InteractiveClient, FoundRows, Supports
LoadDataLocal, ODBCClient, IgnoreSpaceBeforeParenthesis, SupportsCompression, Speaks41ProtocolNew, Support41Auth,
SupportsMultipleStatments, SupportsAuthPlugins, SupportsMultipleResults
|   Status: Autocommit
|   Salt: U
| @[m.-1Gf1\x0BXOO\x11\x13EmZ
|_  Auth Plugin Name: mysql_native_password
| ssl-cert: Subject: commonName=MySQL_Server_5.7.34_Auto_Generated_Server_Certificate
| Not valid before: 2021-06-05T15:15:30
|_Not valid after:  2031-06-03T15:15:30
|_ssl-date: TLS randomness does not represent time
MAC Address: 08:00:27:22:98:6F (Oracle VirtualBox virtual NIC)
Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel
```

nmap udp scan: nothing



ftp enum:
not writable
allow anonymous login

```
220 ProFTPD 1.3.5e Server (Debian) [::ffff:192.168.56.116]
Name (kaokao:user): anonymous
331 Anonymous login ok, send your complete email address as your password
Password:
230-Welcome, archive user anonymous@192.168.56.106 !
230-
230-The local time is: Sun Jun 20 14:55:35 2021
230-
230-This is an experimental FTP server.  If you have any unusual problems,
230-please report them via e-mail to <sky@funbox9>.
230-
230 Anonymous access granted, restrictions apply
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls -lah
200 PORT command successful
150 Opening ASCII mode data connection for file list
drwxr-xr-x   2 ftp      ftp          4.0k Jun  5 19:45 .
drwxr-xr-x   2 ftp      ftp          4.0k Jun  5 19:45 ..
-rw-r--r--   1 ftp      ftp           169 Jun  5 19:45 welcome.msg
226 Transfer complete
ftp> lcd /tmp
Local directory now /tmp
ftp> get welcome.msg
local: welcome.msg remote: welcome.msg
200 PORT command successful
150 Opening BINARY mode data connection for welcome.msg (169 bytes)
226 Transfer complete
169 bytes received in 0.00 secs (3.8374 MB/s)
ftp> ^Z
[1]+  Stopped                 ftp kaokao
┌─[✗]─[user@parrot]─[~/Documents]
└──╼ $cat welcome.m^C
┌─[✗]─[user@parrot]─[~/Documents]
└──╼ $cd /tmp;cat welcome.msg
Welcome, archive user %U@%R !

The local time is: %T

This is an experimental FTP server.  If you have any unusual problems,
please report them via e-mail to <sky@%L>.
```

vulnerable to exploit

```
ProFTPd 1.3.5 - 'mod_copy' Command Execution (Metasploit)
ProFTPd 1.3.5 - 'mod_copy' Remote Command Execution
ProFTPd 1.3.5 - File Copy
```

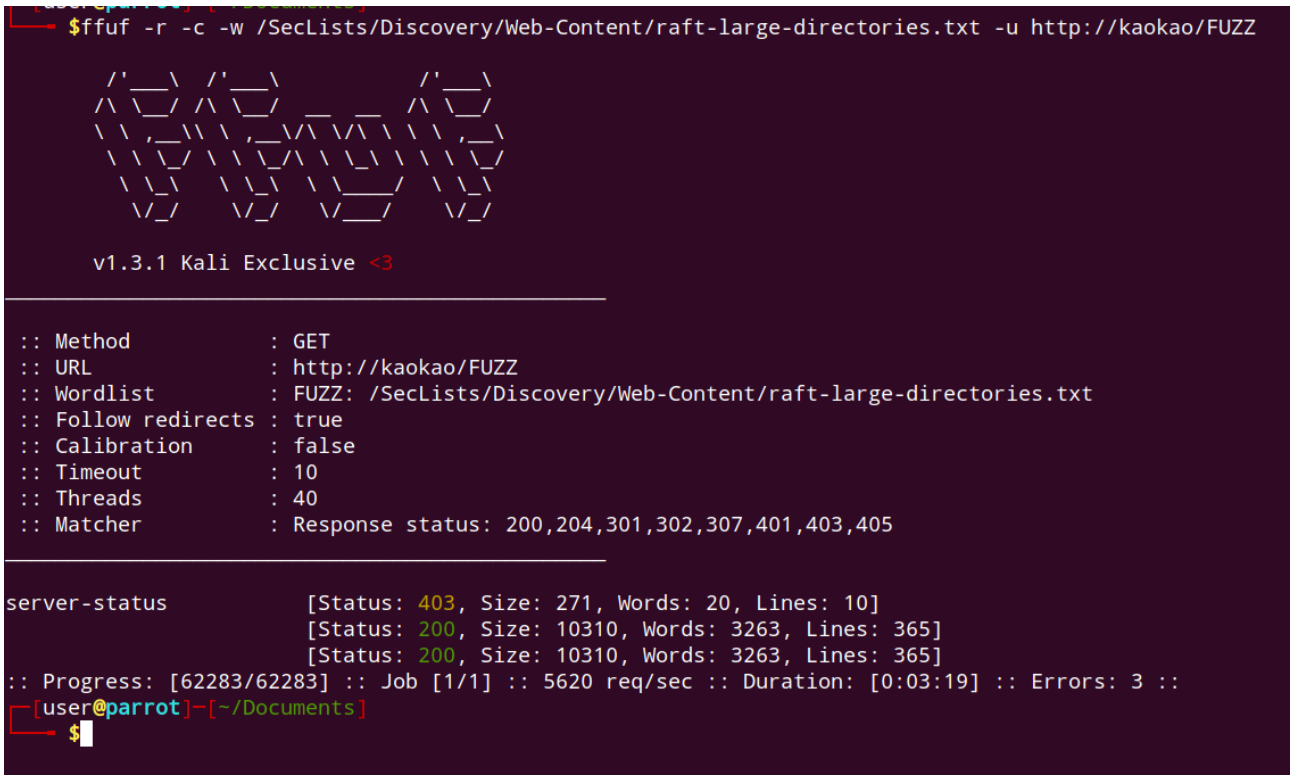
seems like not vulnerable due to the need to logon

```
┌─[✗]─[user@parrot]─[/tmp]
└──╼ $nc kaokao 21
220 ProFTPD 1.3.5e Server (Debian) [::ffff:192.168.56.116]
cpfr /etc/passwd
500 CPFR not understood
site cpfr /etc/passwd
530 Please login with USER and PASS
user anonymous
331 Anonymous login ok, send your complete email address as your password
pass p@m
230-Welcome, archive user anonymous@192.168.56.106 !
230-
230-The local time is: Sun Jun 20 15:03:22 2021
230-
230-This is an experimental FTP server.  If you have any unusual problems,
230-please report them via e-mail to <sky@funbox9>.
230-
230 Anonymous access granted, restrictions apply
site cpfr /etc/passwd
550 /etc/passwd: No such file or directory
site cpfr /var/www/html/index.html
550 /var/www/html/index.html: No such file or directory
```

nikto scan : nothing special

```
┌─[user@parrot]─[~/Documents]
└──╼ $nikto -h kaokao
- Nikto v2.1.6
---------------------------------------------------------------------------
+ Target IP:          192.168.56.116
+ Target Hostname:    kaokao
+ Target Port:        80
+ Start Time:         2021-06-20 22:55:28 (GMT8)
---------------------------------------------------------------------------
+ Server: Apache/2.4.29 (Ubuntu)
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XSS
+ The X-Content-Type-Options header is not set. This could allow the user agent to render the content of the site in a different fashion to the MIME type
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ Server may leak inodes via ETags, header found with file /, inode: 2846, size: 5c409ca1d2835, mtime: gzip
+ Apache/2.4.29 appears to be outdated (current is at least Apache/2.4.37). Apache 2.2.34 is the EOL for the 2.x branch.
+ Allowed HTTP Methods: HEAD, GET, POST, OPTIONS
+ OSVDB-3233: /icons/README: Apache default file found.
+ 7681 requests: 0 error(s) and 7 item(s) reported on remote host
+ End Time:           2021-06-20 22:58:49 (GMT8) (201 seconds)
---------------------------------------------------------------------------
+ 1 host(s) tested
┌─[user@parrot]─[~/Documents]
└──╼ $
```

ffur dir scan nothing special



ffuf file scan nothing special

```
┌──[user@parrot]─[~/Documents]
└─── $ffuf -r -c -w /SecLists/Discovery/Web-Content/raft-large-files.txt -u http://kaokao/FUZZ

        /'___\  /'___\           /'___\
       /\ \__/ /\ \__/  __  __  /\ \__/
       \ \ ,__\\ \ ,__\/\ \/\ \ \ \ ,__\
        \ \ \_/ \ \ \_/\ \ \_\ \ \ \ \_/
         \ \_\   \ \_\  \ \____/  \ \_\
          \/_/    \/_/   \/___/    \/_/

       v1.3.1 Kali Exclusive <3
________________________________________________

 :: Method           : GET
 :: URL              : http://kaokao/FUZZ
 :: Wordlist         : FUZZ: /SecLists/Discovery/Web-Content/raft-large-files.txt
 :: Follow redirects : true
 :: Calibration      : false
 :: Timeout          : 10
 :: Threads          : 40
 :: Matcher          : Response status: 200,204,301,302,307,401,403,405
________________________________________________

index.html              [Status: 200, Size: 10310, Words: 3263, Lines: 365]
.htaccess               [Status: 403, Size: 271, Words: 20, Lines: 10]
.                       [Status: 200, Size: 10310, Words: 3263, Lines: 365]
.html                   [Status: 403, Size: 271, Words: 20, Lines: 10]
.php                    [Status: 403, Size: 271, Words: 20, Lines: 10]
.htpasswd               [Status: 403, Size: 271, Words: 20, Lines: 10]
.htm                    [Status: 403, Size: 271, Words: 20, Lines: 10]
.htpasswds              [Status: 403, Size: 271, Words: 20, Lines: 10]
.htgroup                [Status: 403, Size: 271, Words: 20, Lines: 10]
wp-forum.phps           [Status: 403, Size: 271, Words: 20, Lines: 10]
.htaccess.bak           [Status: 403, Size: 271, Words: 20, Lines: 10]
.htuser                 [Status: 403, Size: 271, Words: 20, Lines: 10]
.htc                    [Status: 403, Size: 271, Words: 20, Lines: 10]
.ht                     [Status: 403, Size: 271, Words: 20, Lines: 10]
.htaccess.old           [Status: 403, Size: 271, Words: 20, Lines: 10]
.htacess                [Status: 403, Size: 271, Words: 20, Lines: 10]
:: Progress: [37042/37042] :: Job [1/1] :: 7757 req/sec :: Duration: [0:02:19] :: Errors: 1 ::
┌──[user@parrot]─[~/Documents]
└─── $
```