

Bùi Trần Ngọc Ly

B1908338

## Cấu hình card mạng

```
GNU nano 6.2 /etc/netplan/00-installer-config.yaml
# This is the network config written by 'subiquity'
network:
  ethernets:
    enp0s3:
      addresses:
        - 192.168.1.12/24
      gateway4: 192.168.1.1
      nameservers:
        addresses:
          - 192.168.1.12
          - 123.23.23.23
        search: []
      version: 2
```

## Cài vsftpd

```
admin1@admin1:~$
admin1@admin1:~$ sudo apt-get install vsftpd
Reading package lists... Done
Building dependency tree... Done
```

anonymous\_enable=YES là cho phép tài khoản nặc danh đăng nhập vào

local\_enable=YES là để người dùng địa phương đăng nhập

write\_enable=YES cho phép upload file

```
# Allow anonymous FTP? (Disabled by default).
anonymous_enable=Yes
#
# Uncomment this to allow local users to log in.
local_enable=YES
#
# Uncomment this to enable any form of FTP write command.
write_enable=YES
#
```

Đăng nhập nặc danh vào ftpservice

```
C:\Users\Asus Rog Strix>
C:\Users\Asus Rog Strix>ftp 192.168.1.12
Connected to 192.168.1.12.
220 (vsFTPd 3.0.5)
200 Always in UTF8 mode.
User (192.168.1.12:(none)):
```

Tạo tài khoản user1 với pwd là 1

```
root@admin1:/home/admin1# adduser user1
Adding user `user1' ...
Adding new group `user1' (1001) ...
Adding new user `user1' (1001) with group `user1' ...
Creating home directory `/home/user1' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for user1
Enter the new value, or press ENTER for the default
  Full Name []: phong
   Room Number []: 1
    Work Phone []: 934337352
    Home Phone []: 934337352
       Other []:
Is the information correct? [Y/n] y
root@admin1:/home/admin1# _
```

Thực hiện phân quyền cơ bản cho user1

```
root@admin1:/home/admin1# mkdir /home/user1/ftp
root@admin1:/home/admin1# chmod 755 /home/user1/ftp
root@admin1:/home/admin1# chown user1:nogroup /home/user1/ftp/
root@admin1:/home/admin1# ls -la /home/user1/ftp/
total 8
drwxr-xr-x 2 user1 nogroup 4096 Oct 19 07:43 .
drwxr-x--- 3 user1 user1  4096 Oct 19 07:43 ..
root@admin1:/home/admin1#
```

Kết nối ftp client bằng tài khoản user1 pwd: 1

```
C:\Users\Asus Rog Strix>ftp 192.168.1.12
Connected to 192.168.1.12.
220 (vsFTPd 3.0.5)
200 Always in UTF8 mode.
User (192.168.1.12:(none)): user1
331 Please specify the password.
Password:
230 Login successful.
ftp>
```

Xem thư mục

```
ftp> pwd
257 "/home/user1" is the current directory
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
ftp
226 Directory send OK.
ftp: 8 bytes received in 0.00Seconds 8.00Kbytes/sec.
ftp>
```

Di chuyển qua lại giữa các thư mục

```
ftp> cd ftp
250 Directory successfully changed.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
uploadfile
226 Directory send OK.
ftp: 15 bytes received in 0.00Seconds 15000.00Kbytes/sec.
ftp> cd uploadfile
250 Directory successfully changed.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
phong.txt
226 Directory send OK.
ftp: 14 bytes received in 0.00Seconds 14.00Kbytes/sec.
```

Thực hiện tải file

```
ftp> get phong.txt
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for phong.txt (6 bytes)
226 Transfer complete.
ftp: 6 bytes received in 0.00Seconds 6000.00Kbytes/sec.
ftp>
```

Uploadfile thành clientphong.txt

```
ftp> put phong.txt clientphong.txt
200 PORT command successful. Consider
550 Permission denied.
ftp>
```