

FTP

MSSV: 2051150106

Họ và tên: Đoàn Kim Hân

Bước 1: Cài đặt ftp

yum install vsftpd -y

```
[root@doankimhan ~]# yum install vsftpd -y
CentOS Stream 9 - BaseOS                6.2 kB/s | 7.2 kB      00:01
CentOS Stream 9 - AppStream              27 kB/s | 7.3 kB      00:00
CentOS Stream 9 - Extras packages        19 kB/s | 8.6 kB      00:00
Dependencies resolved.
=====
Package                Architecture  Version           Repository        Size
=====
Installing:
vsftpd                 x86_64        3.0.5-6.el9       appstream         168 k
```

Bước 2: Khởi động dịch vụ ftp

systemctl start vsftpd

```
[root@doankimhan ~]# systemctl start vsftpd
[root@doankimhan ~]# systemctl status vsftpd
● vsftpd.service - Vsftpd ftp daemon
   Loaded: loaded (/usr/lib/systemd/system/vsftpd.service; disabled; vendor p>
   Active: active (running) since Fri 2024-11-15 13:59:54 +07; 9s ago
   Process: 3236 ExecStart=/usr/sbin/vsftpd /etc/vsftpd/vsftpd.conf (code=exit>
  Main PID: 3237 (vsftpd)
     Tasks: 1 (limit: 10944)
    Memory: 704.0K
         CPU: 2ms
    CGroup: /system.slice/vsftpd.service
            └─3237 /usr/sbin/vsftpd /etc/vsftpd/vsftpd.conf
```

Bước 3: Sao lưu tập tin cấu hình

cp /etc/vsftpd/vsftpd.conf /etc/vsftpd/vsftpd.conf.backup

```
[root@doankimhan ~]# cp /etc/vsftpd/vsftpd.conf /etc/vsftpd/vsftpd.conf.backup
[root@doankimhan ~]# ls /etc/vsftpd/
ftpusers  user_list  vsftpd.conf  vsftpd.conf.backup  vsftpd_conf_migrate.sh
[root@doankimhan ~]#
```

Bước 4: Cấu hình /etc/vsftpd/vsftpd.conf

vi /etc/vsftpd/vsftpd.conf

```
# anonymous FTP? (Beware - allowed by default if you comment this out).
anonymous_enable=NO
#
# 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
#
```

```
# You may fully customise the login banner string:
ftpd_banner=Welcome FTP Server - doankimhan.com.
#
# You may specify a file of disallowed anonymous e-mail addresses. Apparently
# useful for combatting certain DoS attacks.
#deny_email_enable=YES
# (default follows)
#banned_email_file=/etc/vsftpd/banned_emails
chroot_local_user=YES
allow_writeable_chroot=YES
#chroot_list_enable=YES
# (default follows)
#chroot_list_file=/etc/vsftpd/chroot_list
```

```
listen=NO
#
# This directive enables listening on IPv6 sockets. By default, listening
# on the IPv6 "any" address (:::) will accept connections from both IPv6
# and IPv4 clients. It is not necessary to listen on both IPv4 and IPv6
# sockets. If you want that (perhaps because you want to listen on specific
# addresses) then you must run two copies of vsftpd with two configuration
# files.
# Make sure, that one of the listen options is commented !!
listen_ipv6=YES
```

```
xferlog_file=/var/log/vsftpd.log
xferlog_enable=YES
#
# If you want, you can have your log file in standard ftpd xferlog format.
# Note that the default log file location is /var/log/xferlog in this
# configuration.
xferlog_std_format=NO
#
```

```
#passive mode
pasv_enable=YES
pasv_min_port=3000
pasv_max_port=31000
```

```
userlist_enable=YES
userlist_file=/etc/vsftpd/user_list
userlist_deny=NO
```

Bước 5: Khởi chạy lại dịch vụ ftp

systemctl restart vsftpd

```
[root@doankimhan ~]# systemctl restart vsftpd
[root@doankimhan ~]#
```

Bước 6: Cấu hình tường lửa

```
firewall-cmd --permanent --add-port=20-21/tcp
firewall-cmd --permanent --add-port=30000-31000/tcp
firewall-cmd --reload
```

```
[root@doankimhan ~]# firewall-cmd --permanent --add-port=20-21/tcp
Warning: ALREADY_ENABLED: 20-21:tcp
success
[root@doankimhan ~]# firewall-cmd --permanent --add-port=30000-31000/tcp
Warning: ALREADY_ENABLED: 30000-31000:tcp
success
[root@doankimhan ~]# firewall-cmd --reload
success
[root@doankimhan ~]#
```

Bước 7: Tạo người dùng doankimhan và cấp quyền

```
useradd -d /var/www/doankimhan.com/html doankimhan
passwd doankimhan
chmod 755 /var/www/doankimhan.com/html
echo doankimhan>> /etc/vsftpd/user_list
```

```
[root@doankimhan ~]# useradd -d /var/www/doankimhan.com/html doankimhan
[root@doankimhan ~]# passwd doankimhan
Changing password for user doankimhan.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@doankimhan ~]# chmod 755 /var/www/doankimhan.com/html
[root@doankimhan ~]# echo 'doankimhan' >> /etc/vsftpd/user_list
[root@doankimhan ~]#
```

Bước 8: Kiểm tra nối kết đến server bằng người dùng vừa tạo
ftp <IP Server>

```
C:\Users\ASUS>ftp 192.168.1.62
Connected to 192.168.1.62.
220 Welcome FTP Server - doankimhan.com.
200 Always in UTF8 mode.
User (192.168.1.62:(none)): doankimhan
331 Please specify the password.
Password:

230 Login successful.
ftp> dir
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
drwxr-xr-x  2 1016      1016          6 Nov 15 11:13 documents
drwxr-xr-x  2 1016      1016          6 Nov 15 11:12 downloads
drwxr-xr-x  2 1016      1016          6 Nov 15 11:13 music
drwxr-xr-x  2 1016      1016          6 Nov 15 11:13 pictures
drwxr-xr-x  2 1016      1016          6 Nov 15 11:13 video
226 Directory send OK.
ftp: 329 bytes received in 0.00Seconds 82.25Kbytes/sec.
ftp> |
```

Bước 9: Sử dụng phần mềm WinSCP để thực hiện nối kết

