**Configure an FTP server in Linux?**

### **Step 1: Install FTP server**

sudo apt install vsftpd

sudo systemctl status vsftpd

sudo systemctl enable --now vsftpd

### **Step 2: Configure Firewall**

sudo ufw allow 20/tcp

sudo ufw allow 21/tcp

sudo ufw allow 990/tcp

sudo ufw allow 5000:10000/tcp

### **Step 3: Configure Users**

sudo adduser ftpuser

sudo nano /etc/ssh/sshd\_config

DenyUsers ftpuser (Press**Ctrl + x** then**y**then**enter)**

sudo systemctl restart sshd

### **Step 4:** **Create the FTP folder and set permissions**

sudo mkdir /ftp

sudo chown adminuser /ftp

### **Step 5: Configure and secure vsftpd**

sudo nano /etc/vsftpd.conf

anonymous\_enable=NO

local\_enable=YES

write\_enable=YES

pasv\_min\_port=5000

pasv\_max\_port=10000

local\_root=/ftp

chroot\_local\_user=YES

chroot\_list\_enable=YES

chroot\_list\_file=/etc/vsftpd.chroot\_list

allow\_writeable\_chroot=YES

local\_umask=0002 (Press**Ctrl + x** then**y**then**enter)**

sudo touch /etc/vsftpd.chroot\_list

sudo nano /etc/vsftpd.chroot\_list (Press**Ctrl + x** then**y**then**enter)**

sudo systemctl restart --now vsftpd

### **Step 6:** **Securing vsftpd with SSL/TLS**

sudo openssl req -x509 -nodes -days 365 -newkey rsa:2048 -keyout /etc/ssl/private/vsftpd.pem -out /etc/ssl/private/vsftpd.pem

sudo nano /etc/vsftpd.conf

**Go to the end of the file and remove the following lines**

*rsa\_cert\_file=/etc/ssl/certs/ssl-cert-snakeoil.pem*

*rsa\_private\_key\_file=/etc/ssl/private/ssl-cert-snakeoil.key*

*ssl\_enable=NO*

**And, paste the following lines**

rsa\_cert\_file=/etc/ssl/private/vsftpd.pem

rsa\_private\_key\_file=/etc/ssl/private/vsftpd.pem

ssl\_enable=YES

allow\_anon\_ssl=NO

force\_local\_data\_ssl=YES

force\_local\_logins\_ssl=YES

ssl\_tlsv1=YES

ssl\_sslv2=NO

ssl\_sslv3=NO

require\_ssl\_reuse=NO

ssl\_ciphers=HIGH

sudo systemctl restart --now vsftpd