```
asmaa@asmaa-VirtualBox:~$ sudo apt install vsftpd
[sudo] password for asmaa:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libflashrom1 libftdi1-2
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  vsftpd
0 upgraded, 1 newly installed, 0 to remove and 106 not upgraded.
Need to get 123 kB of archives.
After this operation, 326 kB of additional disk space will be used.
Get:1 http://eg.archive.ubuntu.com/ubuntu jammy/main amd64 vsftpd amd64 3.0.5-0u
buntu1 [123 kB]
Fetched 123 kB in 1s (82.3 kB/s)
Preconfiguring packages ...
                    ously unselected package vsftpd.
    Ubuntu Software  se ... 203248 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.5-0ubuntu1_amd64.deb ...
Unpacking vsftpd (3.0.5-0ubuntu1) ...
Setting up vsftpd (3.0.5-0ubuntu1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/vsftpd.service →/li
b/systemd/system/vsftpd.service
Processing triggers for man-db (2.10.2-1) ...
asmaa@asmaa-VirtualBox:~$ sudo iptables -A INPUT -p tcp --dport 20 -j ACCEPT
asmaa@asmaa-VirtualBox:~$ sudo iptables -A INPUT -p tcp --dport 21 -j ACCEPT
```

```
asmaa@asmaa-VirtualBox:~$ ftp localhost
Connected to localhost.
220 (vsFTPd 3.0.5)
         host:asmaa): asmaa
 Rhythmbox
         specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
229 Entering Extended Passive Mode (|||60039|)
150 Here comes the directory listing.
drwxr-xr-x    2 1000      1000           4096 Feb 01 13:03 Desktop
drwxr-xr-x    2 1000      1000           4096 Feb 01 13:03 Documents
drwxr-xr-x    2 1000      1000           4096 Feb 01 13:03 Downloads
drwxr-xr-x    2 1000      1000           4096 Feb 01 13:03 Music
drwxr-xr-x    2 1000      1000           4096 Feb 01 13:03 Pictures
drwxr-xr-x    2 1000      1000           4096 Feb 01 13:03 Public
drwxr-xr-x    2 1000      1000           4096 Feb 01 13:03 Templates
drwxr-xr-x    2 1000      1000           4096 Feb 01 13:03 Videos
-rw-r--r--    1 0         0                 0 Feb 12 06:26 index.html
drwxrwxr-x    2 1000      1000           4096 Feb 08 14:57 iti-0
drwxrwxr-x    2 1001      1000           4096 Feb 20 23:05 mydir1
drwxrwxr-x    2 1002      1000           4096 Feb 20 23:05 mydir2
drwxrwsr-x    2 1000      1003           4096 Feb 20 22:02 os_team_workspace
-rwxrwxr-x    1 1000      1000             57 Mar 01 02:48 script.sh
-rw-rw-r--    1 1000      1000            200 Mar 01 03:22 serv.service
drwx------    4 1000      1000           4096 Feb 01 13:17 snap
drwxrwxr-x    2 1000      1000           4096 Feb 12 06:26 try
226 Directory send OK.
ftp>
```

```
asmaa@asmaa-VirtualBox:~$ sudo ufw enable
Firewall is active and enabled on system startup
asmaa@asmaa-VirtualBox:~$ sudo ufw status
Status: active

To                         Action      From
--                         ------      ----
Apache                     ALLOW       Anywhere
Apache (v6)                ALLOW       Anywhere (v6)

asmaa@asmaa-VirtualBox:~$
```

```
asmaa@asmaa-VirtualBox:~$ sudo ufw deny 20/tcp
Rule added
Rule added (v6)
asmaa@asmaa-VirtualBox:~$ sudo ufw deny 21/tcp
Rule added
Rule added (v6)
asmaa@asmaa-VirtualBox:~$
```

```
asmaa@asmaa-VirtualBox:~$ ftp localhost
Connected to localhost.
220 (vsFTPd 3.0.5)
Name (localhost:asmaa): asmaa
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp>
```

```
asmaa@asmaa-VirtualBox:~$ tail /var/log/kern.log
Apr 10 23:25:47 asmaa-VirtualBox kernel: [    9.425568] loop18: detected capacit
y change from 0 to 8
Apr 10 23:25:51 asmaa-VirtualBox kernel: [   13.052014] kauditd_printk_skb: 39 c
allbacks suppressed
Apr 10 23:25:51 asmaa-VirtualBox kernel: [   13.052016] audit: type=1326 audit(1
681161951.547:51): auid=1000 uid=1000 gid=1000 ses=2 subj=snap.snapd-desktop-int
egration.snapd-desktop-integration pid=1276 comm="snapd-desktop-i" exe="/snap/sn
apd-desktop-integration/57/usr/bin/snapd-desktop-integration" sig=0 arch=c000003
e syscall=314 compat=0 ip=0x7f9bbc508a3d code=0x50000
Apr 10 23:25:53 asmaa-VirtualBox kernel: [   14.561230] rfkill: input handler di
sabled
Apr 10 23:31:03 asmaa-VirtualBox kernel: [  323.417844] loop18: detected capacit
y change from 0 to 149488
Apr 10 23:48:46 asmaa-VirtualBox kernel: [ 1387.041746] e1000: enp0s3 NIC Link i
s Down
Apr 10 23:48:50 asmaa-VirtualBox kernel: [ 1391.139584] e1000: enp0s3 NIC Link i
s Up 1000 Mbps Full Duplex, Flow Control: RX
Apr 10 23:50:16 asmaa-VirtualBox kernel: [ 1476.238296] e1000: enp0s3 NIC Link i
s Down
Apr 10 23:50:18 asmaa-VirtualBox kernel: [ 1478.260099] e1000: enp0s3 NIC Link i
s Up 1000 Mbps Full Duplex, Flow Control: RX
asmaa@asmaa-VirtualBox:~$
```

```
asmaa@asmaa-VirtualBox:~$ sudo apt install nfs-kernal-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

```
asmaa@asmaa-VirtualBox:~$ sudo ufw allow 2049/tcp
Rule added
Rule added (v6)
```

```
asmaa@asmaa-VirtualBox:~$ echo '/tmp/shares *(rw)' | sudo tee -a /etc/exports
/tmp/shares *(rw)
```

```
asmaa@asmaa-VirtualBox:~$ sudo mount -t nfs localhost:/tmp/shares /mnt
```

```
asmaa@asmaa-VirtualBox:~$ scp /tmp/file.txt /mnt
```

```
asmaa@asmaa-VirtualBox:~$ sudo iptables-save > tmp/iptables-backup
```