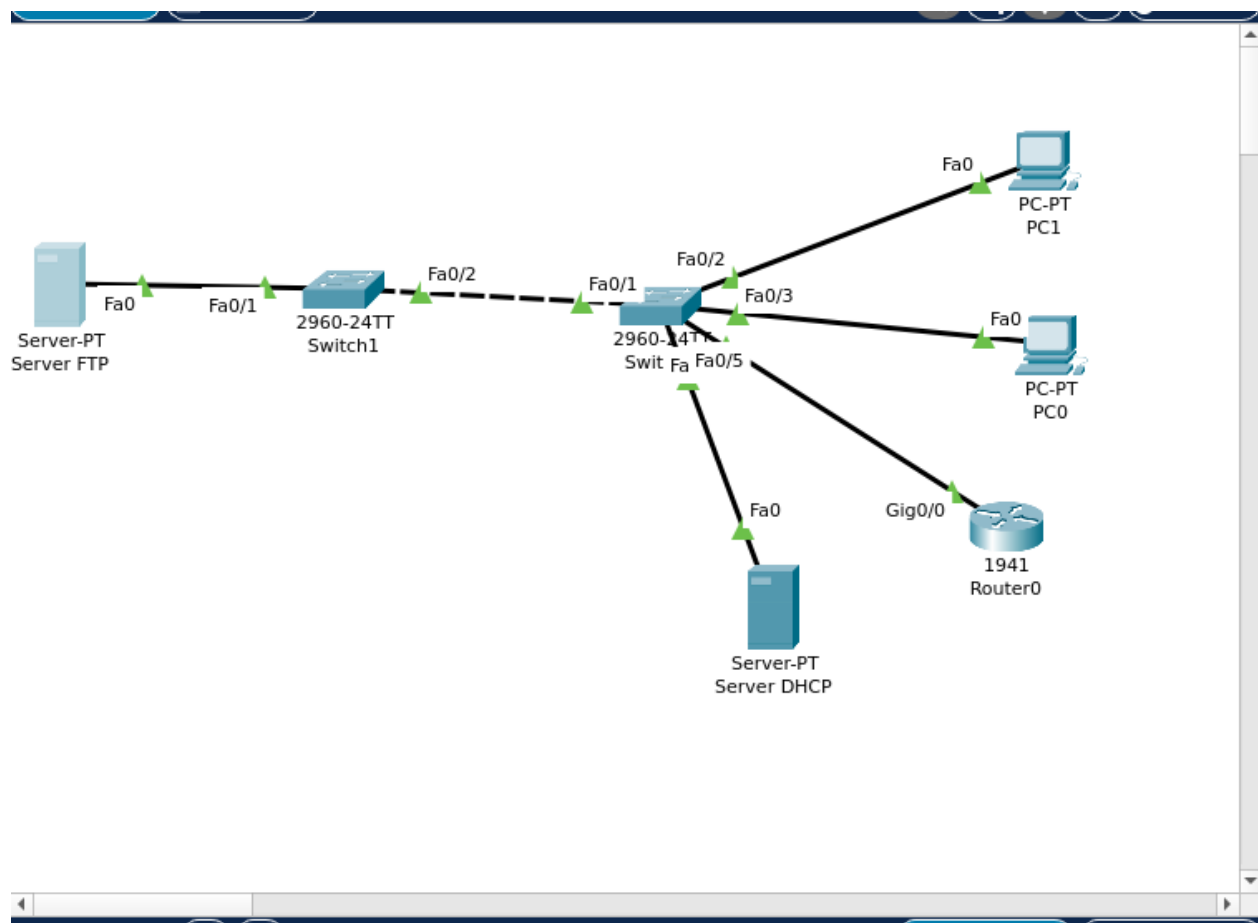




FTP

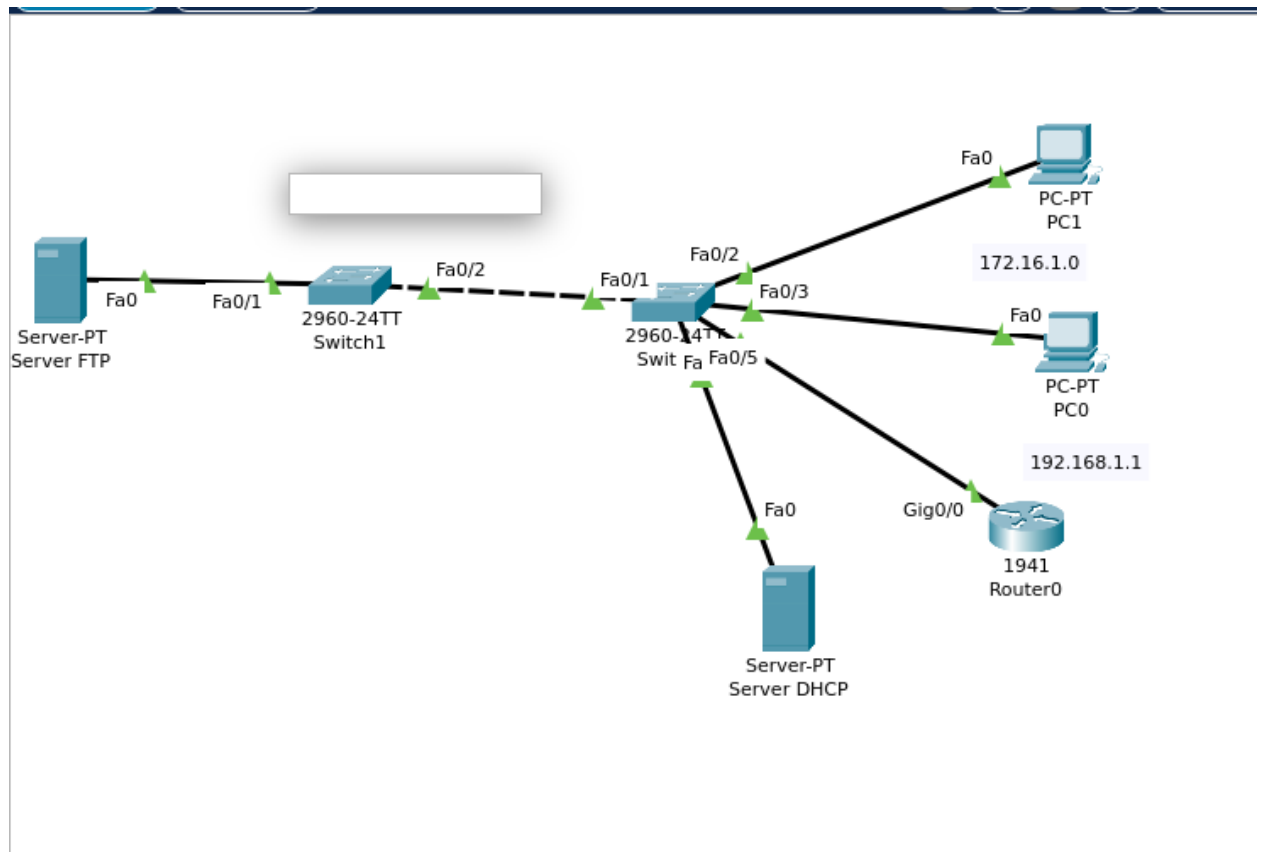
Job 1/ Créer un réseau.

In



sérez votre texte ici Insérez votre texte ici Insérez votre texte ici Insérez votre texte ici.

Job 2/Créer deux réseaux dont les adresses sont les suivantes



Job 3/Configurer un serveur FTP

The screenshot shows the 'Server FTP' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is highlighted in blue. It contains two sub-sections: 'IP Configuration' and 'IPv6 Configuration'. The 'IP Configuration' section has radio buttons for 'DHCP' and 'Static' (selected). Below are text fields for 'IPv4 Address' (10.10.10.10), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (10.10.10.1), and 'DNS Server' (0.0.0.0). The 'IPv6 Configuration' section has radio buttons for 'Automatic' and 'Static' (selected). Below are text fields for 'IPv6 Address' (empty), 'Link Local Address' (FE80::205:5EFF:FE78:1236), 'Default Gateway' (empty), and 'DNS Server' (empty). The '802.1X' section has a checkbox for 'Use 802.1X Security' (unchecked), a dropdown for 'Authentication' (MD5), and text fields for 'Username' and 'Password' (empty). A 'Top' button is at the bottom left.

Server FTP

Physical Config Services **Desktop** Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 10.10.10.10

Subnet Mask 255.255.255.0

Default Gateway 10.10.10.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::205:5EFF:FE78:1236

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

Server DHCP

Physical Config Services **Desktop** Programming Attributes

IP Configuration X

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::209:7CFF:FE66:5BE

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

3

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 192.168.1.1

DNS Server: 192.168.1.2

Start IP Address: 192 168 1 11

Subnet Mask: 255 255 255 0

Maximum Number of Users: 245

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.1.1	192.168.1.2	192.168.1...	255.255.2...	245	0.0.0.0	0.0.0.0

<

☐ Top

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

FTP

Service ☒ On ☐ Off

User Setup

Username Password

☐ Write ☐ Read ☐ Delete ☐ Rename ☐ List

	Username	Password	Permission
1	cisco	cisco	RWDNL
2	lpp	lpp	RWDN

Add

Save

Remove

File

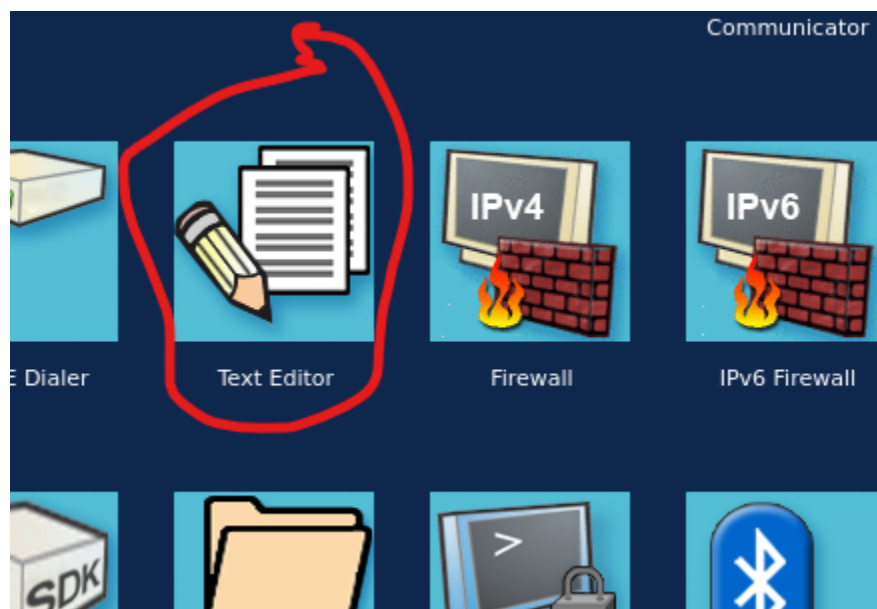
1	Dv.txt
2	asa842-k8.bin
3	asa923-k8.bin
4	c1841-advipservicesk9-mz.124-15.T1.bin
5	c1841-ipbase-mz.123-14.T7.bin
6	c1841-ipbasek9-mz.124-12.bin

Remove

```
Packet Tracer PC Command Line 1.0
C:\>ftp 10.10.10.10
Trying to connect...10.10.10.10
Connected to 10.10.10.10
220- Welcome to FT Ftp server
Username:adam
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```

5

Job 4/Créer un fichier nommé 'mon_test.txt'



TFTP Server		X
File		
1	Cisco.txt	
2	mon_test.txt	
3	sampleFile.txt	

Job 5/

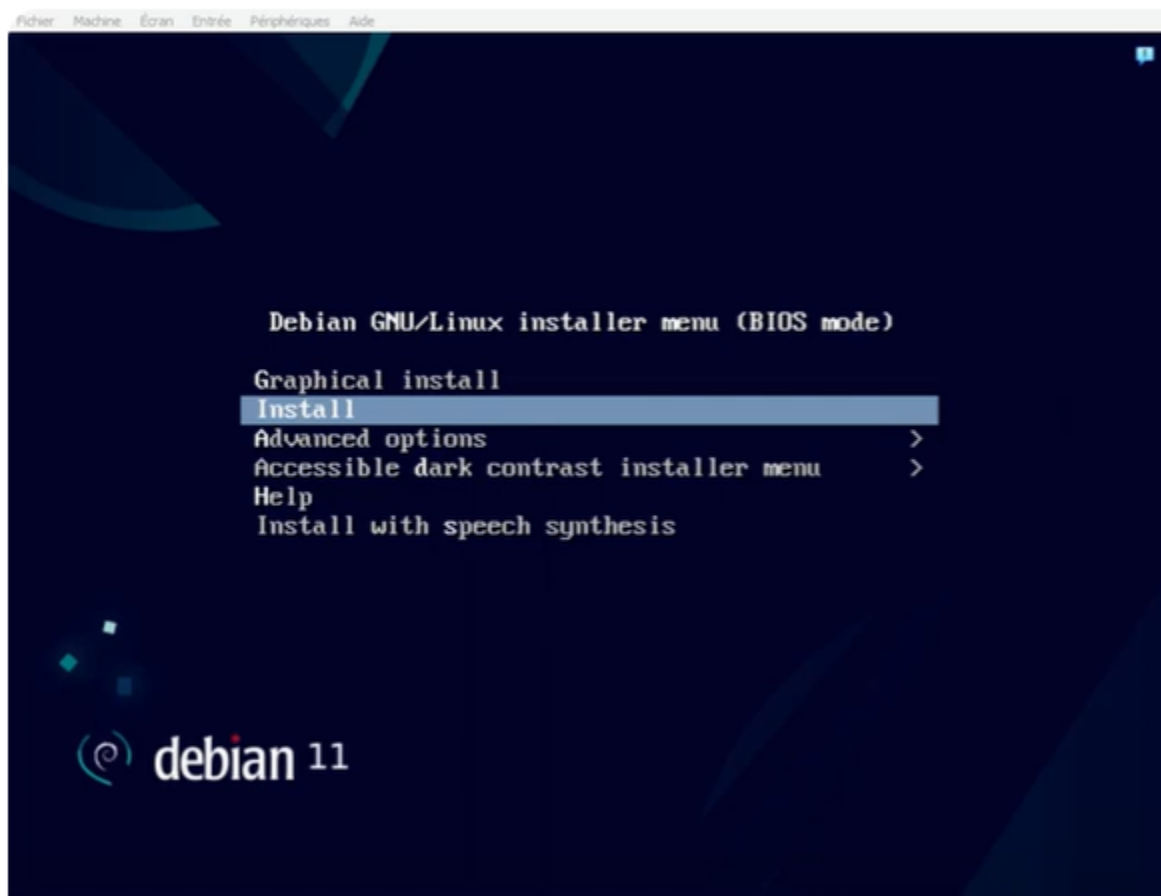
```
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time=1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=0ms TTL=128
Reply from 192.168.1.1: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss)
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:
Reply from 192.168.1.10: bytes=32 time=1ms TTL=128
Reply from 192.168.1.10: bytes=32 time=0ms TTL=128
Reply from 192.168.1.10: bytes=32 time=0ms TTL=128
Reply from 192.168.1.10: bytes=32 time=0ms TTL=128
```


Job 6/Installez une machine virtuelle Debian sans interface graphique, avec le SSH configuré.



```
ssh-keygen
```

```
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/username/.ssh/id_rsa):
```

```
/home/username/.ssh/id_rsa already exists.  
Overwrite (y/n)?
```

```
Created directory '/home/username/.ssh'.  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:
```

```
Your identification has been saved in /home/username/.ssh/id_rsa.  
Your public key has been saved in /home/username/.ssh/id_rsa.pub.  
The key fingerprint is:  
a9:49:2e:2a:5e:33:3e:a9:de:4e:77:11:58:b6:90:26 username@remote_host  
The key's randomart image is:
```

```
+--[ RSA 2048 ]-----+
|      ..0      |
|    E 0= .    |
|    o. o      |
|      ..      |
|      ..S      |
|    o o.      |
|    =0.+      |
| . =+++.      |
| 0=+++.      |
+-----+

```

Job 7/ ProFTPd.

```
sudo apt-get install proftpd
```

```

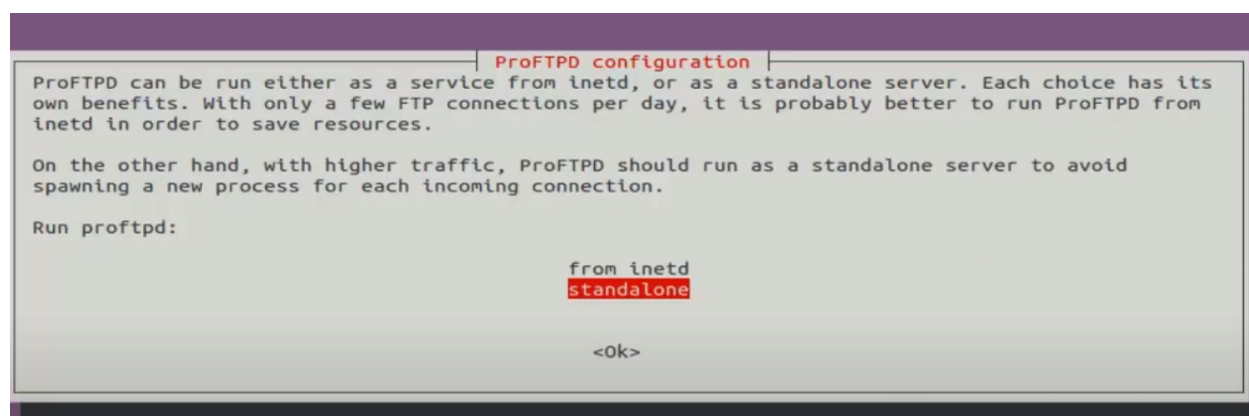
~$ sudo apt-get install proftpd
Reading package lists... Done
Building dependency tree
Reading state information... Done
Note, selecting 'proftpd-basic' instead of 'proftpd'
The following extra packages will be installed:
  libmemcached11 libmemcachedutil2
Suggested packages:
  openbsd-inetd inet-superserver proftpd-doc proftpd-mod-ldap proftpd-mod-mysql proftpd-mod-odbc
  proftpd-mod-pgsql proftpd-mod-sqlite proftpd-mod-geoip
The following NEW packages will be installed:
  libmemcached11 libmemcachedutil2 proftpd-basic
0 upgraded, 3 newly installed, 0 to remove and 230 not upgraded.
Need to get 2,087 kB of archives.
After this operation, 4,953 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

```

get:3 http://in.archive.ubuntu.com/ubuntu/ wily/universe proftpd-basic amd64 1.3.5-2 [1,994 kB]
Fetched 2,087 kB in 10s (208 kB/s)
Preconfiguring packages ...
Selecting previously unselected package libmemcached11:amd64.
(Reading database ... 175279 files and directories currently installed.)
Preparing to unpack .../libmemcached11_1.0.18-4_amd64.deb ...
Unpacking libmemcached11:amd64 (1.0.18-4) ...
Selecting previously unselected package libmemcachedutil2:amd64.
Preparing to unpack .../libmemcachedutil2_1.0.18-4_amd64.deb ...
Unpacking libmemcachedutil2:amd64 (1.0.18-4) ...
Selecting previously unselected package proftpd-basic.
Preparing to unpack .../proftpd-basic_1.3.5-2_amd64.deb ...
Unpacking proftpd-basic (1.3.5-2) ...
Processing triggers for ureadahead (0.100.0-19) ...
Processing triggers for systemd (225-1ubuntu9) ...
Processing triggers for man-db (2.7.4-1) ...
Setting up libmemcached11:amd64 (1.0.18-4) ...
Setting up libmemcachedutil2:amd64 (1.0.18-4) ...
Setting up proftpd-basic (1.3.5-2) ...
Warning: The home dir /run/proftpd you specified can't be accessed: No such file or directory
Adding system user `proftpd' (UID 120) with group `nogroup' ...
Adding new user `proftpd' (UID 120) with group `nogroup' ...
Not creating home directory `/run/proftpd'.
Adding system user `ftp' (UID 121) ...
Adding new user `ftp' (UID 121) with group `nogroup' ...
Creating home directory `/srv/ftp' ...
'/usr/share/proftpd/templates/welcome.msg' -> '/srv/ftp/welcome.msg.proftpd-new'
Processing triggers for libc-bin (2.21-0ubuntu4) ...
Processing triggers for ureadahead (0.100.0-19) ...
Processing triggers for systemd (225-1ubuntu9) ...
```

Job 8/ FTP

```
sudo vim /etc/proftpd/proftpd.conf
```



```
sudo service proftpd restart
```

Job 9/Ajoutez deux utilisateurs

Pour ajouter des utilisateurs sur ProFTPD, vous pouvez suivre ces étapes :

1. **Accédez au fichier de configuration :**

Ouvrez le fichier de configuration de ProFTPD, généralement situé à `/etc/proftpd/proftpd.conf`.

2. **Définir les paramètres de l'utilisateur :

Ajoutez ou modifiez les lignes suivantes pour définir un utilisateur :

`DefaultRoot ~`

`AuthUserFile /chemin/vers/fichier/passwd`

`AuthGroupFile /chemin/vers/fichier/group`

3. **Créez un utilisateur :**

j'utilise la commande `ftpsswd` pour ajouter un utilisateur au fichier de mot de passe.
Par exemple :

`sudo ftpsswd --passwd --file=/chemin/vers/fichier/passwd --Pippin--uid=1001
--gid=1001 --home=/chemin/vers/repertoire/home --shell=/sbin/nologin`

`sudo ftpsswd --passwd --file=/chemin/vers/fichier/passwd --Merry=utilisateur
--uid=1001 --gid=1001 --home=/chemin/vers/repertoire/home --shell=/sbin/nologin`

4. **Redémarrez ProFTPD :

`sudo service proftpd restart`

Job 10/Utilisez un client FTP

1. J'Installe un serveur FTP (si ce n'est pas déjà fait) :

J'installe un serveur FTP sur ma machine hôte. Par exemple, avec vsftpd :

```
``bash  
  
sudo apt-get install vsftpd  
...
```

3. Démarrez mon serveur FTP :

Après l'installation, je démarre le serveur FTP :

```
``bash  
  
sudo service vsftpd start  
...
```

Sur la machine virtuelle Debian :

1. J'Installe un client FTP (si ce n'est pas déjà fait) :**

```
``bash  
  
sudo apt-get install ftp  
...
```

2. **Connectez-vous au serveur FTP de l'hôte :**

J'utilise la commande `ftp` pour me connecter à l'adresse IP de ma machine hôte :

```
```bash
```

```
ftp adresse_ip_hote
```

```
```
```

Je remplace "adresse_ip_hote" par l'adresse IP réelle de ma machine hôte.

3. Je transfère le fichier vers la machine virtuelle

Une fois connecté au serveur FTP, j'utilise la commande `put` pour transférer le fichier :

```
```bash
```

```
put mon-fichier.txt
```

```
```
```

4. Je me déconnecte du serveur FTP :

Après le transfert, je peux me déconnecter du serveur FTP en utilisant la commande `quit` :

```
```bash
```

```
quit
```

```
```
```

.

