

# FTP

## JOB 3, 4

A partir du job 3, j'ai modifié les adresses gateway des deux réseaux, le réseau 1 192.168.0.1 et le réseau 2 172.16.1.1.

Voici les étapes pour configurer un serveur FTP et transférer un fichier entre deux pc.

### 1. Configurer le routeur :

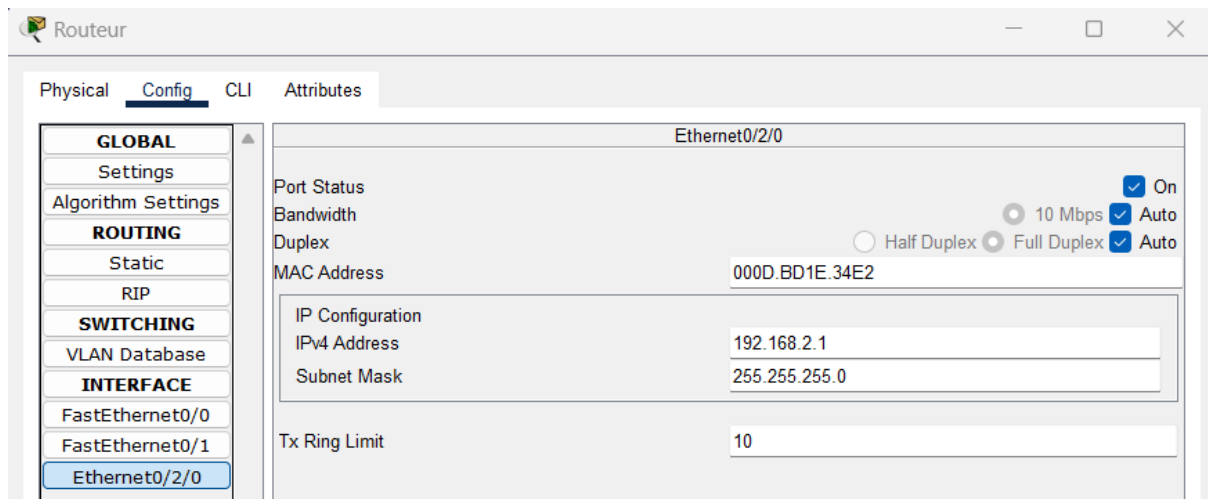
The image displays two screenshots of a network router configuration interface, titled 'Routeur'. Both screenshots show the 'Config' tab selected, with a sidebar on the left containing a tree view of configuration categories: GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, SWITCHING, VLAN Database, and INTERFACE. The INTERFACE section is expanded, showing FastEthernet0/0, FastEthernet0/1, and Ethernet0/2/0.

**Top Screenshot: FastEthernet0/0 Configuration**

- Port Status: ☒ On
- Bandwidth: ☒ 100 Mbps, ☐ 10 Mbps
- Duplex: ☐ Half Duplex, ☒ Full Duplex
- MAC Address: 0005.5EE5.C6BE
- IP Configuration:
  - IPv4 Address: 192.168.0.1
  - Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

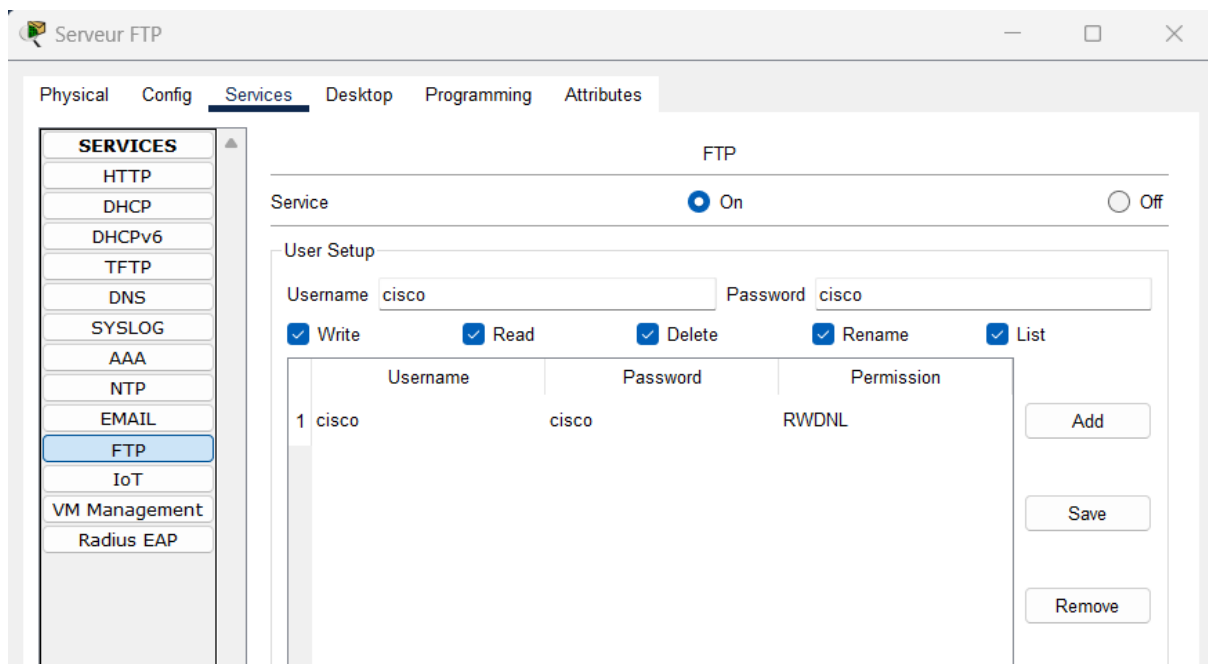
**Bottom Screenshot: FastEthernet0/1 Configuration**

- Port Status: ☒ On
- Bandwidth: ☒ 100 Mbps, ☐ 10 Mbps
- Duplex: ☐ Half Duplex, ☒ Full Duplex
- MAC Address: 0090.0C9B.9774
- IP Configuration:
  - IPv4 Address: 172.16.1.1
  - Subnet Mask: 255.255.0.0
- Tx Ring Limit: 10

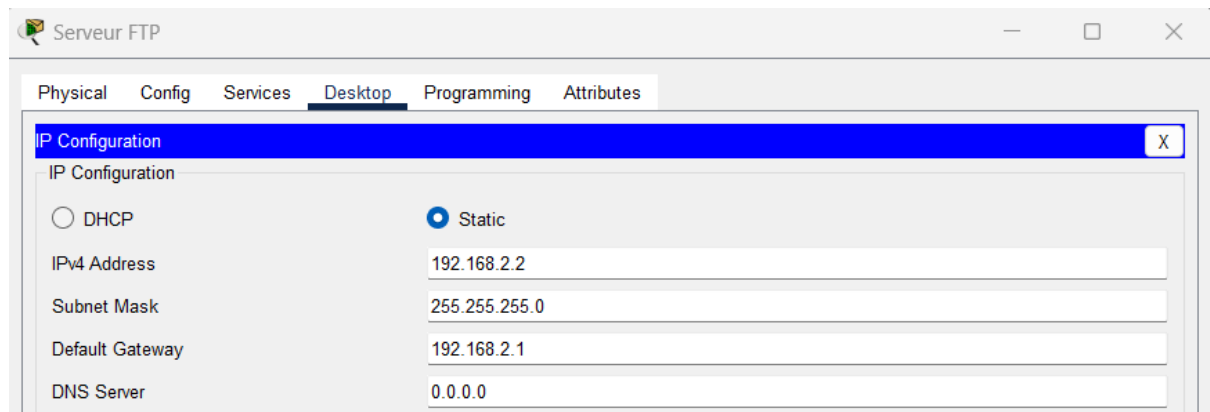


## 2. Configurer le Serveur FTP :

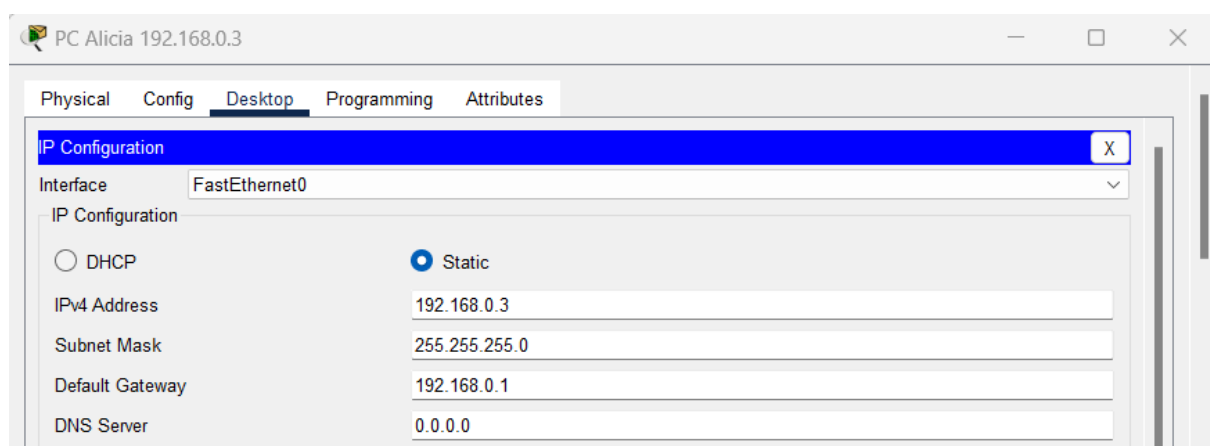
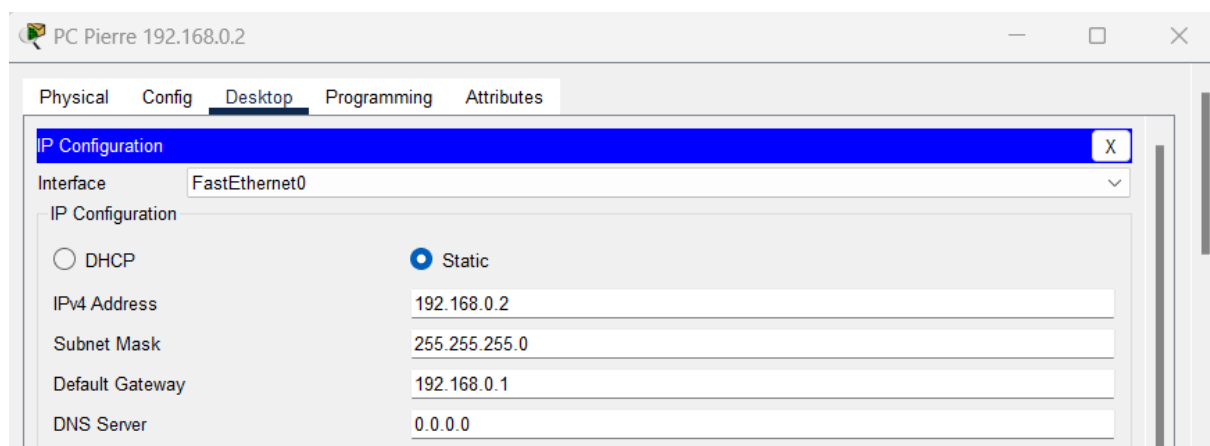
- Activer le mode FTP
- Ajouter un utilisateur, ici id : cisco; mdp : cisco



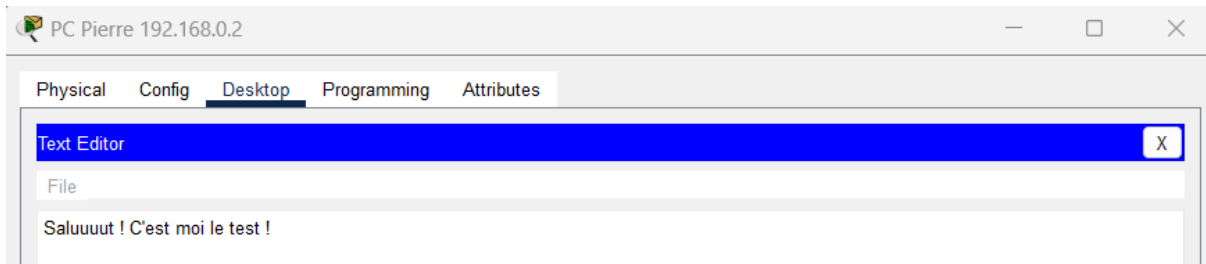
- Configurer les adresses



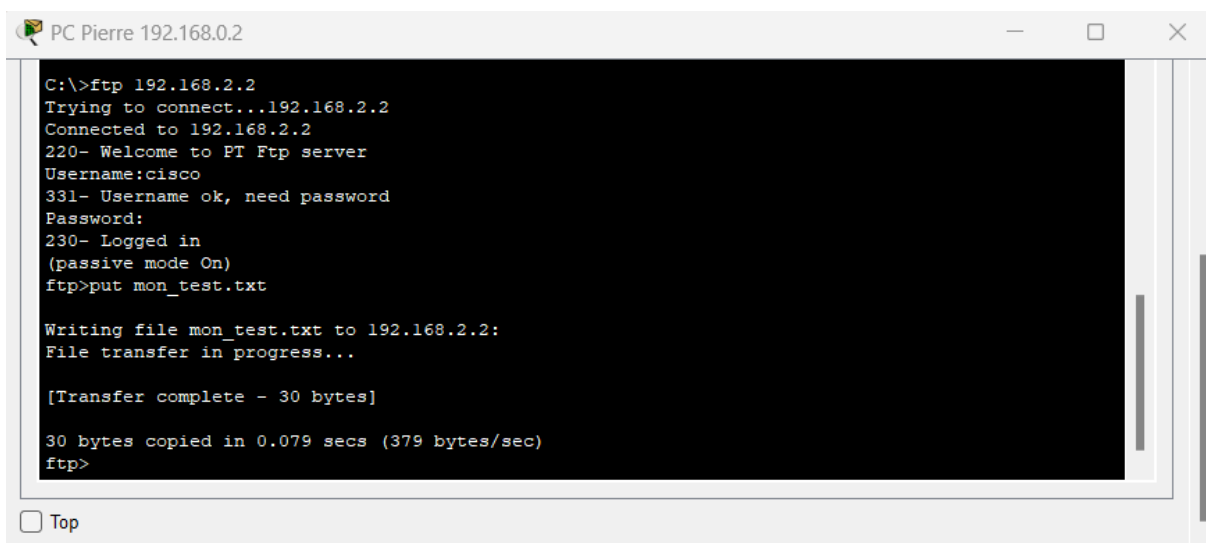
### 3. Configurer le PC Alicia et le PC Pierre :



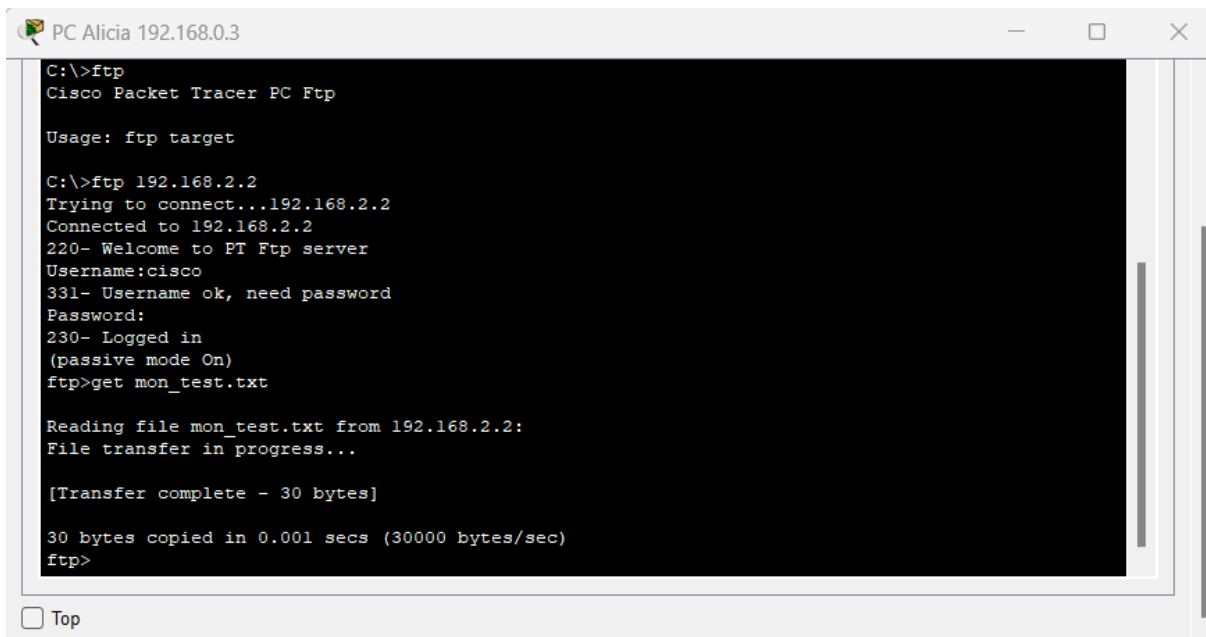
- Aller dans le PC Pierre puis créer un fichier texte :



- Aller dans le terminal prompt et rentrer les infos suivantes :



- Le transfert est effectué avec succès
- Se rendre dans le terminal prompt du PC d'Alicia et rentrer les infos suivantes :



```
C:\>ftp
Cisco Packet Tracer PC Ftp

Usage: ftp target

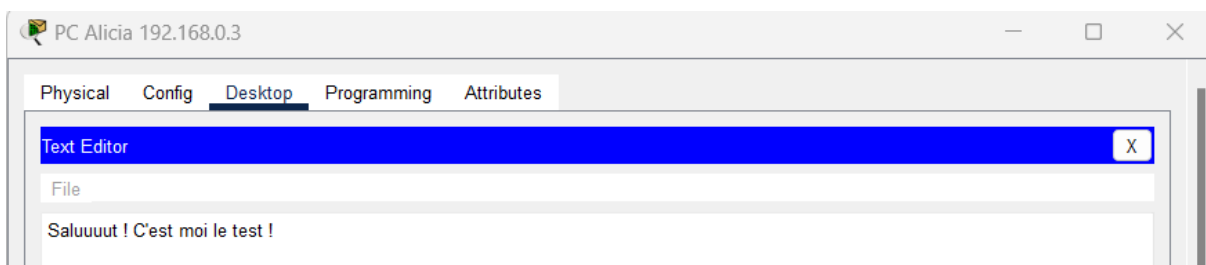
C:\>ftp 192.168.2.2
Trying to connect...192.168.2.2
Connected to 192.168.2.2
220- Welcome to PT Ftp server
Username:cisco
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>get mon_test.txt

Reading file mon_test.txt from 192.168.2.2:
File transfer in progress...

[Transfer complete - 30 bytes]

30 bytes copied in 0.001 secs (30000 bytes/sec)
ftp>
```

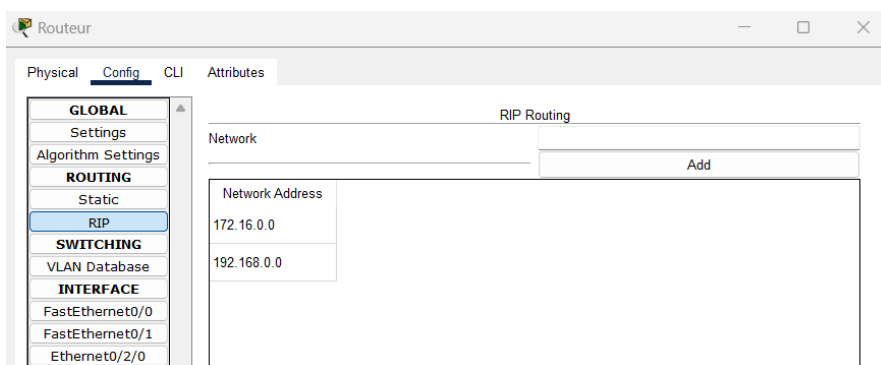
Le fichier “mon\_test.txt” est bien transmis et réceptionné.



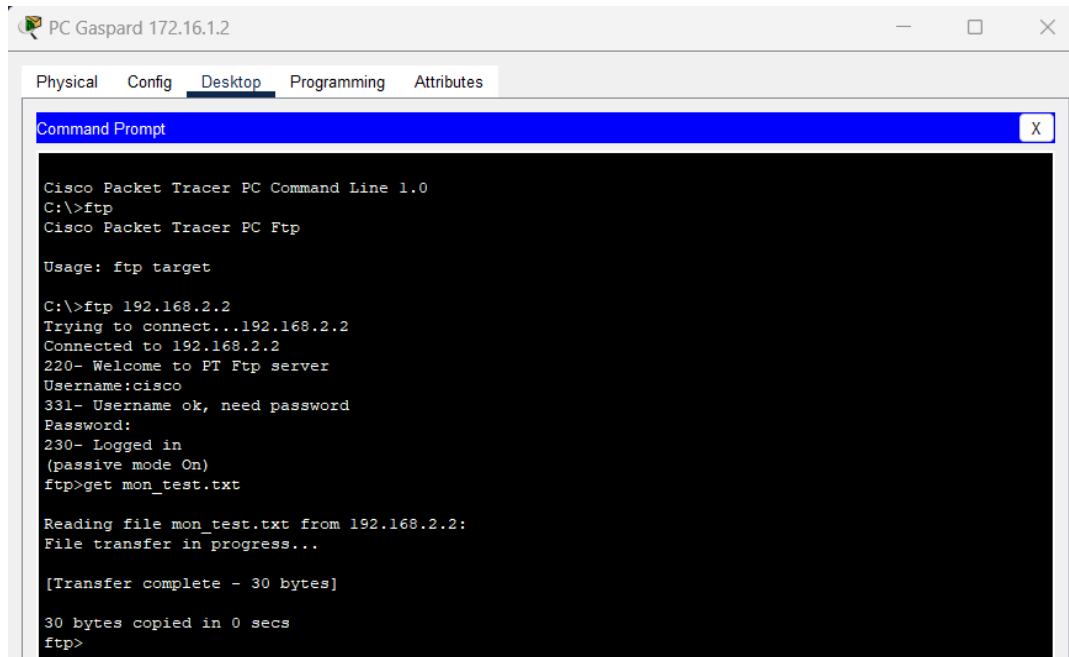
## JOB 5

Pour ce job procéder comme suit :

- Configurer le RIP du routeur et y mettre les adresses suivantes :



Après avoir demandé à Pierre un transfert du fichier “mon\_test.txt”, je procède de la même façon que le PC Alicia pour celui du PC Gaspard.



The screenshot shows a window titled "PC Gaspard 172.16.1.2" with tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a "Command Prompt" window. The Command Prompt shows the following text:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ftp
Cisco Packet Tracer PC Ftp

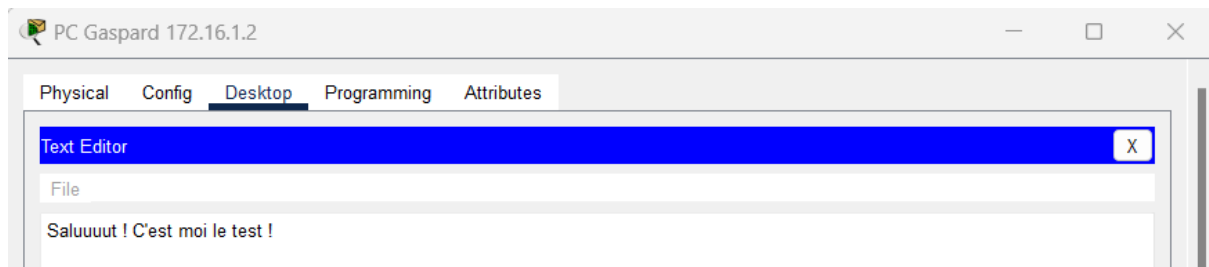
Usage: ftp target

C:\>ftp 192.168.2.2
Trying to connect...192.168.2.2
Connected to 192.168.2.2
220- Welcome to PT Ftp server
Username:cisco
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>get mon_test.txt

Reading file mon_test.txt from 192.168.2.2:
File transfer in progress...

[Transfer complete - 30 bytes]

30 bytes copied in 0 secs
ftp>
```



The screenshot shows the same window "PC Gaspard 172.16.1.2" with the Desktop tab active. A "Text Editor" window is open, displaying the content of the received file:

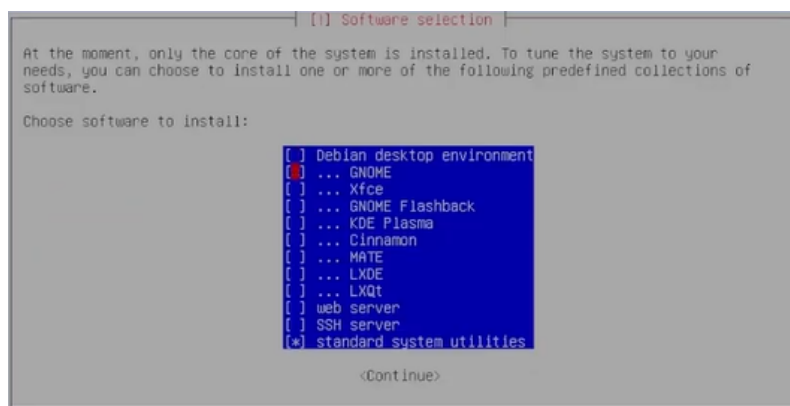
```
File
Saluuuut ! C'est moi le test !
```

Le fichier “mon\_test.txt” est bien transmis et réceptionné dans le PC Gaspard.

## JOB 6, 7, 8, 9

Pour la suite des jobs j'ai effectué les actions suivantes :

1 . Installez une image debian à la machine virtuelle VM Virtualbox sans interface graphique en décochant Debian desktop environment et "GNOME".



2. Installez la bibliothèque "sudo" non installée par défaut.

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

Puis, proFTPd :

```
sudo apt install proFTPd
```

3. Lancer le serveur FTP :

```
systemctl start proftpd
```

```
root@debian:~# systemctl start proftpd
root@debian:~# systemctl status proftpd
● proftpd.service - ProFTPD FTP Server
   Loaded: loaded (/lib/systemd/system/proftpd.service; enabled; preset: enabled)
   Active: active (running) since Thu 2023-11-23 11:04:49 CET; 3min 48s ago
     Docs: man:proftpd(8)
  Main PID: 524 (proftpd)
    Tasks: 1 (limit: 2306)
   Memory: 10.6M
      CPU: 164ms
   CGroup: /system.slice/proftpd.service
           └─524 "proftpd: (accepting connections)"
```

#### 4. Ajouter des utilisateurs et mdp :

```
root@debian:~# useradd -m -s /bin/bash Merry
root@debian:~# echo "Merry:kalimac" | chpasswd
root@debian:~# useradd -m -s /bin/bash Pippin
root@debian:~# echo "Pippin:secondbreakfast" | chpasswd
```

#### 5. Rentrer dans le serveur :

ftp **Debian** (ftp nom\_du\_serveur) ; emplacement du fichier /etc/proftpd/proftpd.conf

```
root@debian:~# sudo nano /etc/proftpd/proftpd.conf
```

```
GNU nano 7.2 /etc/proftpd/proftpd.conf
#
# /etc/proftpd/proftpd.conf -- This is a basic ProFTPd configuration file.
# To really apply changes, reload proftpd after modifications, if
# it runs in daemon mode. It is not required in inetd/xinetd mode.
#
# Includes DSO modules
Include /etc/proftpd/modules.conf

# Set off to disable IPv6 support which is annoying on IPv4 only boxes.
UseIPv6 on
# If set on you can experience a longer connection delay in many cases.
<IfModule mod_ident.c>
    IdentLookups off
</IfModule>

ServerName "Debian"
# Set to inetd only if you would run proftpd by inetd/xinetd/socket.
# Read README.Debian for more information on proper configuration.
```

```
root@debian:~# systemctl start proftpd
root@debian:~# systemctl status proftpd
• proftpd.service - ProFTPd FTP Server
   Loaded: loaded (/lib/systemd/system/proftpd.service; enabled; preset: enabled)
   Active: active (running) since Thu 2023-11-23 11:04:49 CET; 3min 48s ago
     Docs: man:proftpd(8)
    Main PID: 524 (proftpd)
      Tasks: 1 (limit: 2306)
     Memory: 10.6M
        CPU: 164ms
    CGroup: /system.slice/proftpd.service
            └─524 "proftpd: (accepting connections)"
```



```
root@debian:~# ftp Debian
Connected to debian.
220 ProFTPD Server (Debian) [::ffff:127.0.1.1]
Name (Debian:debian): Merry
331 Mot de passe requis pour Merry
Password:
230 Utilisateur Merry authentifié
Remote system type is UNIX.
Using binary mode to transfer files.
```