

## SERVEUR \_FTP

Mettre a jour le systeme

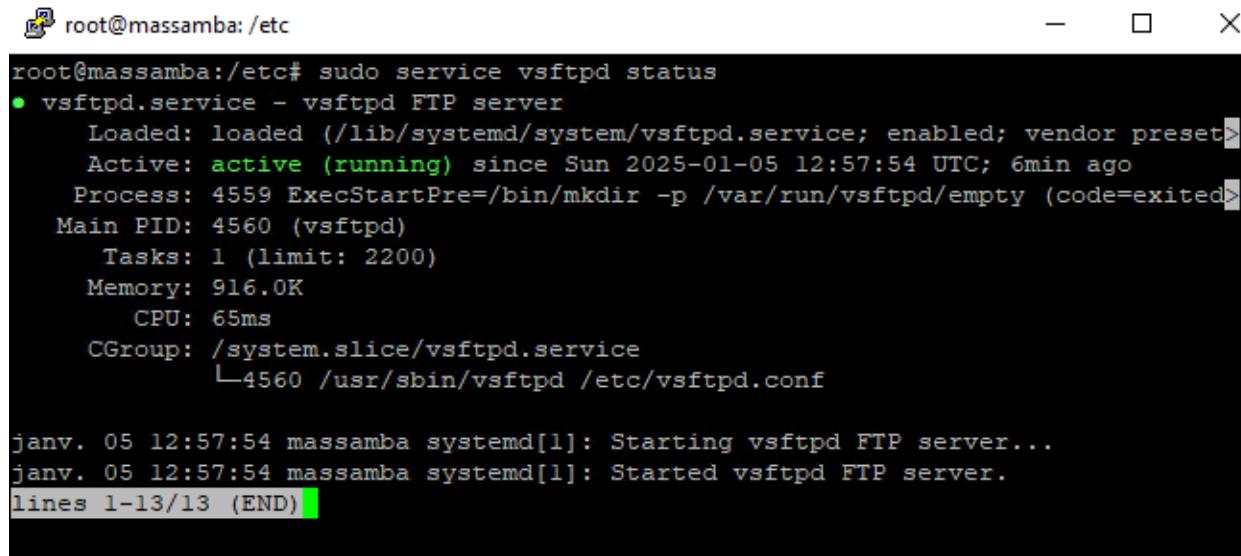
```
sudo apt update & sudo apt upgrade
```

Installer VSFTPD

```
sudo apt install vsftpd
```

Vérifier le fonctionnement de VSFTPD

```
sudo service vsftpd status
```



```
root@massamba:/etc# sudo service vsftpd status
● vsftpd.service - vsftpd FTP server
    Loaded: loaded (/lib/systemd/system/vsftpd.service; enabled; vendor preset: enabled)
    Active: active (running) since Sun 2025-01-05 12:57:54 UTC; 6min ago
      Process: 4559 ExecStartPre=/bin/mkdir -p /var/run/vsftpd/empty (code=exited, status=0)
     Main PID: 4560 (vsftpd)
        Tasks: 1 (limit: 2200)
       Memory: 916.0K
          CPU: 65ms
        CGroup: /system.slice/vsftpd.service
                  └─4560 /usr/sbin/vsftpd /etc/vsftpd.conf

janv. 05 12:57:54 massamba systemd[1]: Starting vsftpd FTP server...
janv. 05 12:57:54 massamba systemd[1]: Started vsftpd FTP server.
lines 1-13/13 (END)
```

Activer le démarrage automatique de VSFTPD

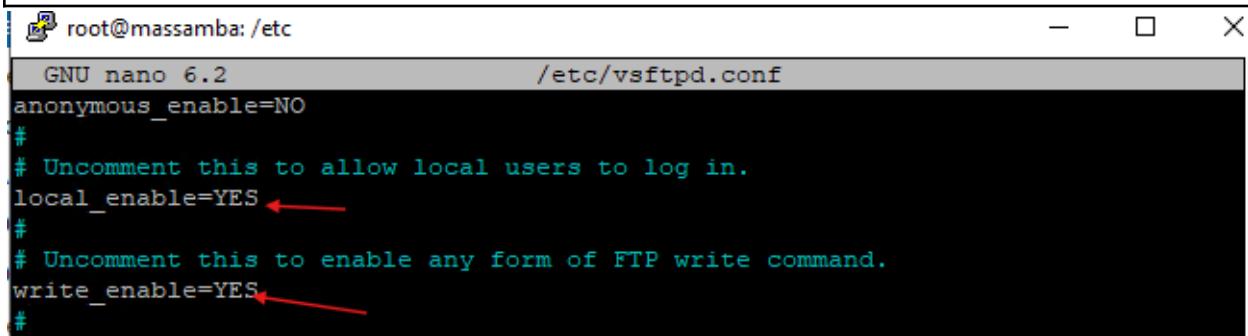
```
sudo systemctl start vsftpd
```

```
sudo systemctl enable vsftpd
```

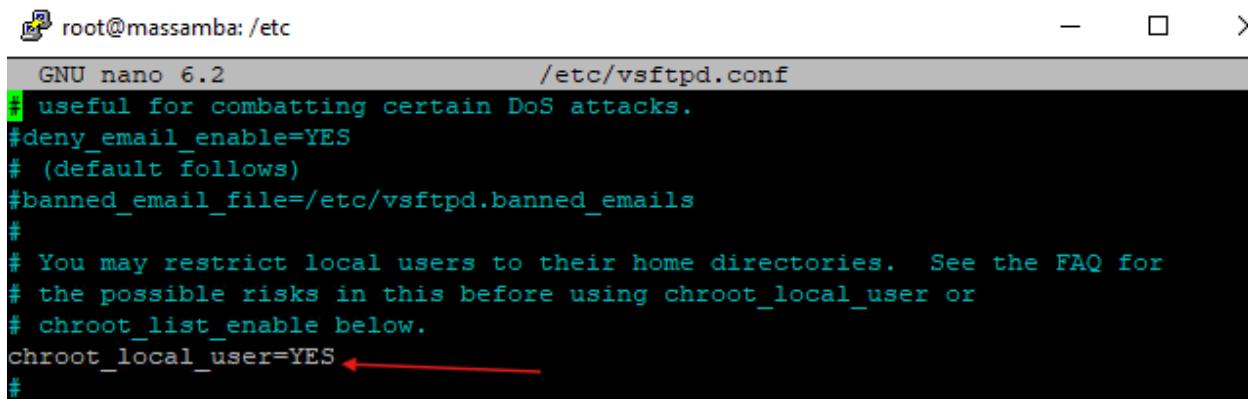
## Configuration de VSFTPD

modifier le fichier vsftpd.conf en modifiant les lignes suivantes :

```
sudo nano /etc/vsftpd.conf
local_enable=YES
write_enable=YES
chroot_local_user=YES
```



```
root@massamba: /etc
GNU nano 6.2                               /etc/vsftpd.conf
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 ←
#
```



```
root@massamba: /etc
GNU nano 6.2                               /etc/vsftpd.conf
# useful for combatting certain DoS attacks.
#deny_email_enable=YES
# (default follows)
#banned_email_file=/etc/vsftpd.banned_emails
#
# You may restrict local users to their home directories. See the FAQ for
# the possible risks in this before using chroot_local_user or
# chroot_list_enable below.
chroot_local_user=YES ←
#
```

Ajouter les lignes suivantes dans le même fichier (vsftpd.conf) à la fin.

```
user_sub_token=$USER
local_root=/home/$USER/ftp
pasv_min_port=10000
pasv_max_port=10100
userlist_enable=YES
userlist_file=/etc/vsftpd.userlist
userlist_deny=NO
```

The screenshot shows a terminal window titled "root@massamba: /etc". The window contains the configuration file for vsftpd, specifically /etc/vsftpd.conf. The file includes settings for SSL certificates, port ranges, user lists, and file system encoding. The bottom of the window shows the nano editor's command bar with various keyboard shortcuts.

```
GNU nano 6.2          /etc/vsftpd.conf

#
# This option specifies the location of the RSA certificate to use for SSL
# encrypted connections.
rsa_cert_file=/etc/ssl/certs/ssl-cert-snakeoil.pem
rsa_private_key_file=/etc/ssl/private/ssl-cert-snakeoil.key
ssl_enable=NO

#
# Uncomment this to indicate that vsftpd use a utf8 filesystem.
#utf8_filesystem=YES


user_sub_token=$USER
local_root=/home/$USER/ftp
pasv_min_port=10000
pasv_max_port=10100
userlist_enable=YES
userlist_file=/etc/vsftpd.userlist
userlist_deny=NO

^G Help      ^O Write Out  ^W Where Is   ^K Cut      ^T Execute   ^C Location
^X Exit      ^R Read File  ^\ Replace    ^U Paste    ^J Justify   ^/ Go To Line
```

## Créer un utilisateur

```
sudo adduser sarr_ftp

sudo mkdir -p /home/sarr_ftp/ftp

sudo chown nobody:nogroup /home/sarr_ftp/ftp

sudo chmod a-w /home/sarr_ftp/ftp

sudo mkdir /home/sarr_ftp/ftp/fichiers

sudo chown sarr_ftp:sarr_ftp /home/sarr_ftp/ftp/fichiers

sudo nano /home/sarr_ftp/ftp/fichiers/liste.txt

echo "sarr_ftp" | sudo tee -a /etc/vsftpd.userlist

sudo systemctl restart vsftpd
```

```
root@massamba:/home/utilisateur
root@massamba:/home/utilisateur# sudo adduser sarr_ftp
sudo mkdir -p /home/sarr_ftp/ftp
sudo chown nobody:nogroup /home/sarr_ftp/ftp
sudo chmod a-w /home/sarr_ftp/ftp
sudo mkdir /home/sarr_ftp/ftp/fichiers
sudo chown sarr_ftp:sarr_ftp /home/sarr_ftp/ftp/fichiers
sudo nano /home/sarr_ftp/ftp/fichiers/liste.txt
echo "sarr_ftp" | sudo tee -a /etc/vsftpd.userlist
```

```
root@massamba:/home/utilisateur
GNU nano 6.2      /home/sarr_ftp/ftp/fichiers/liste.txt
Bonjour Monsieur Sarr, Felicitations ! Vous avez réussi à mettre en oeuvre le s>
```

```
Adding new group `sarr_ftp' (1003) ...
Adding new user `sarr_ftp' (1003) with group `sarr_ftp' ...
Creating home directory `/home/sarr_ftp' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for sarr_ftp
Enter the new value, or press ENTER for the default
    Full Name []: massamba
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
sarr_ftp
```

Configurer le parefeu en autoriser les ports suivants

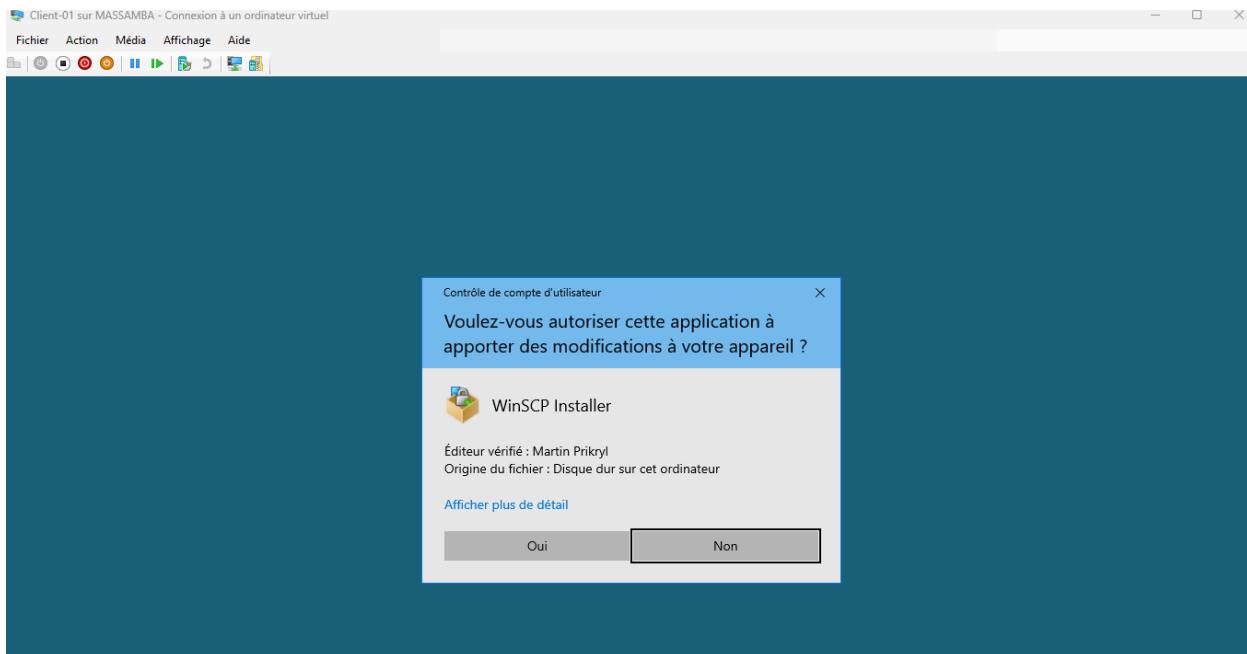
```
sudo ufw allow 20:21/tcp  
sudo ufw allow 10000:10100/tcp
```

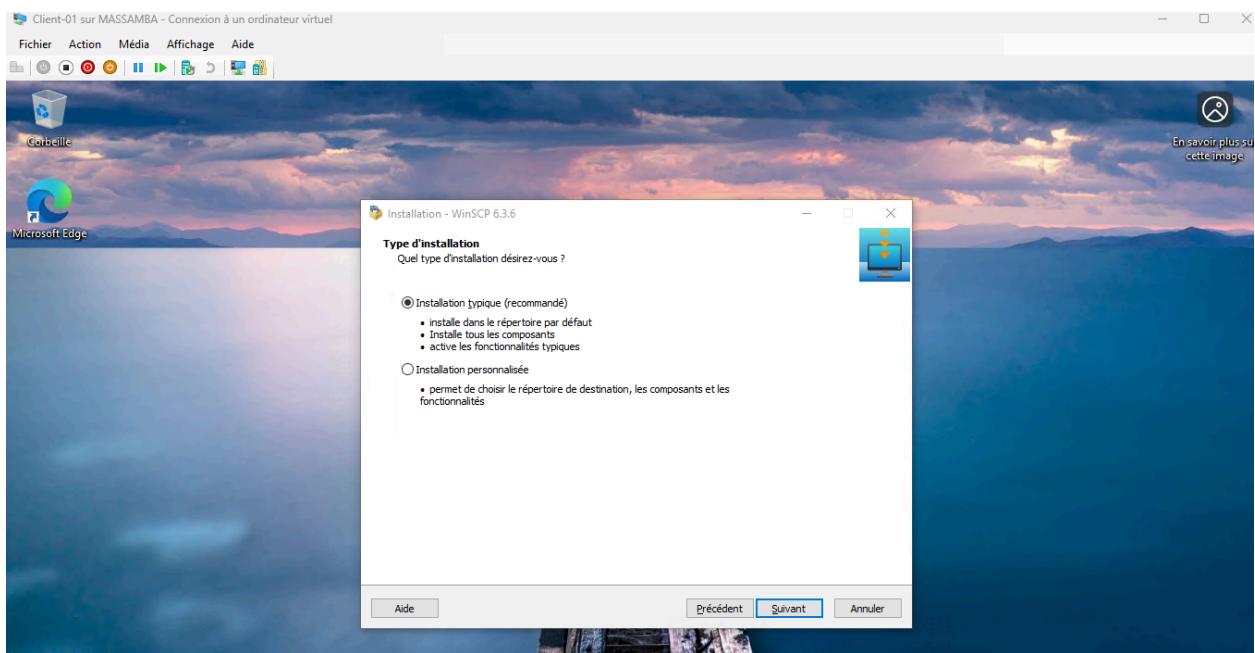
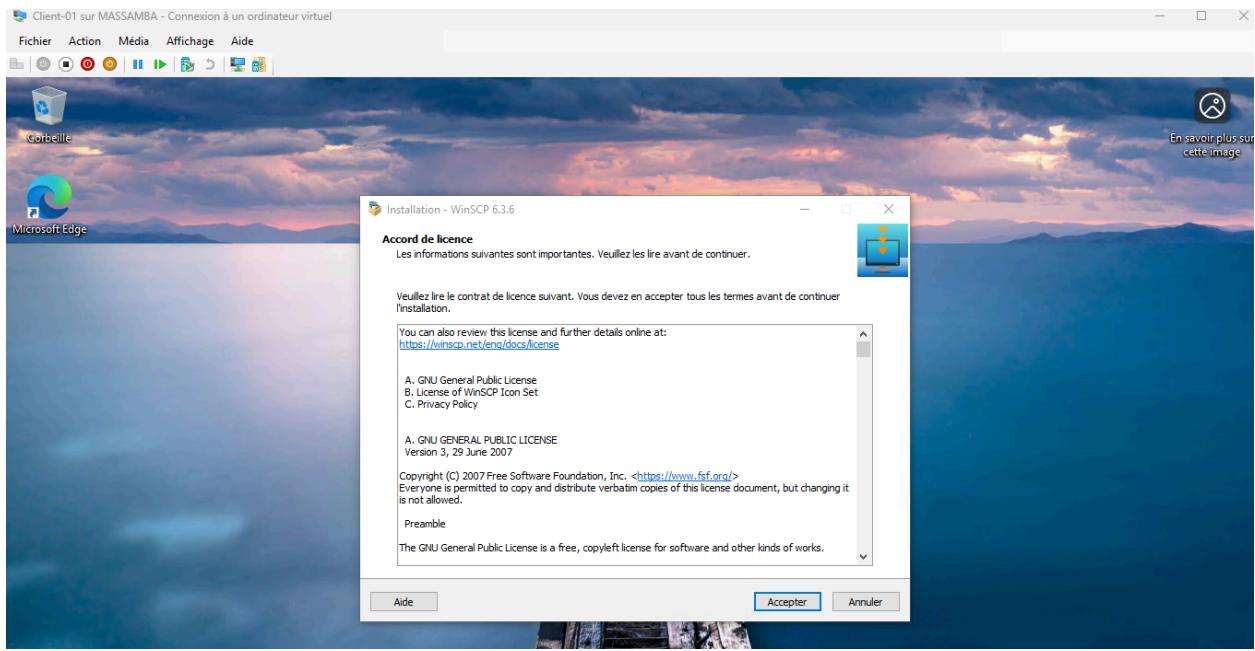
SRV-FTP sur MASSAMBA - Connexion à un ordinateur virtuel

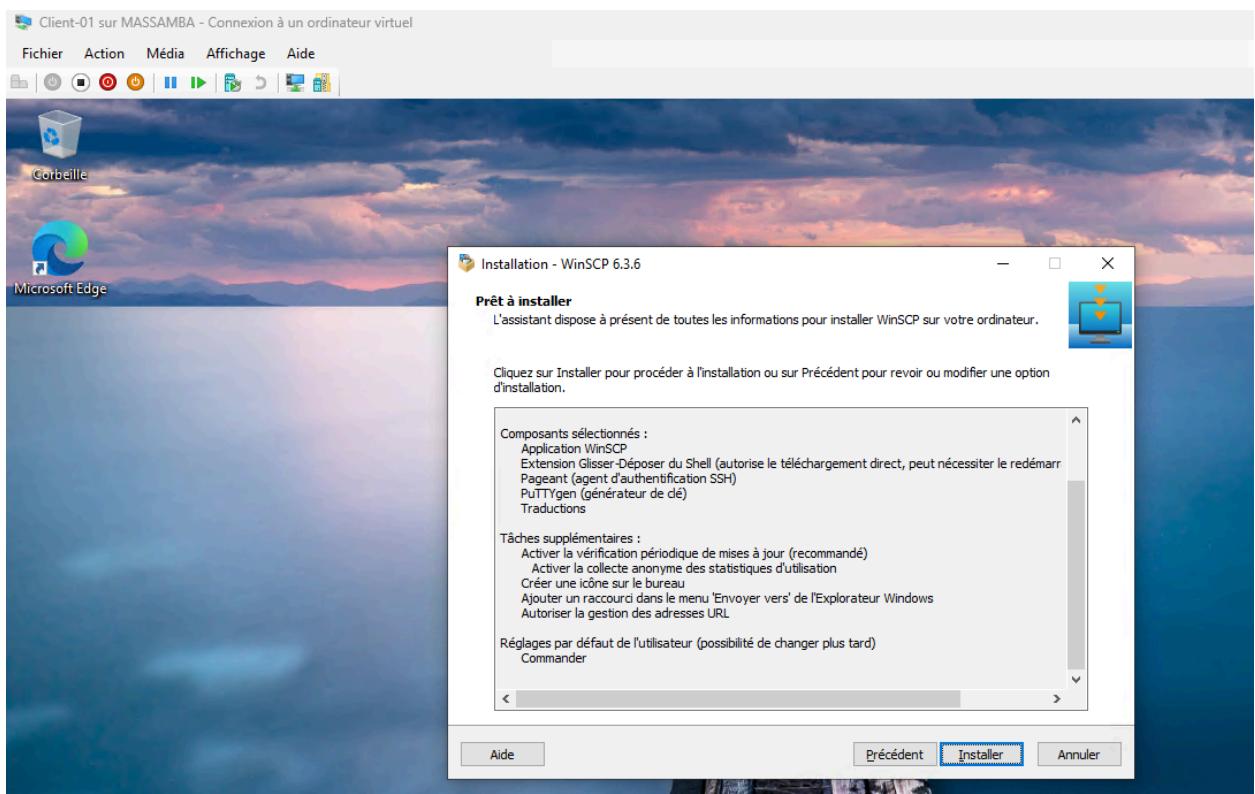
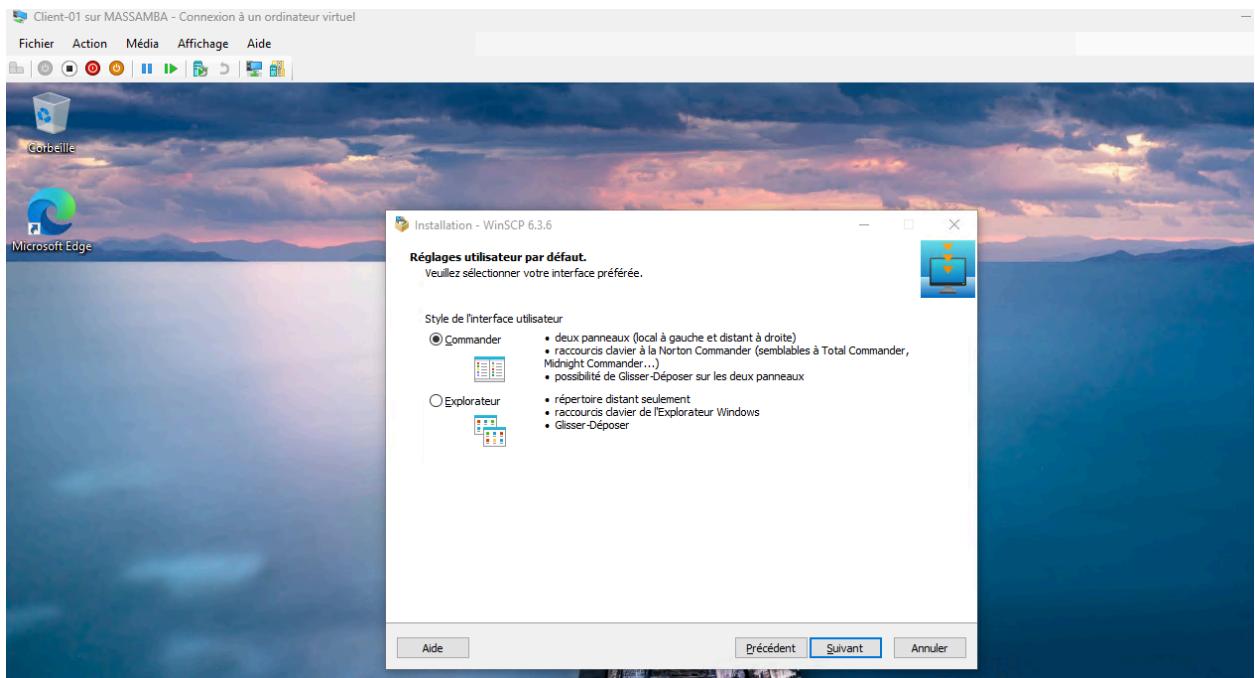
Fichier Action Média Presse-papiers Affichage Aide

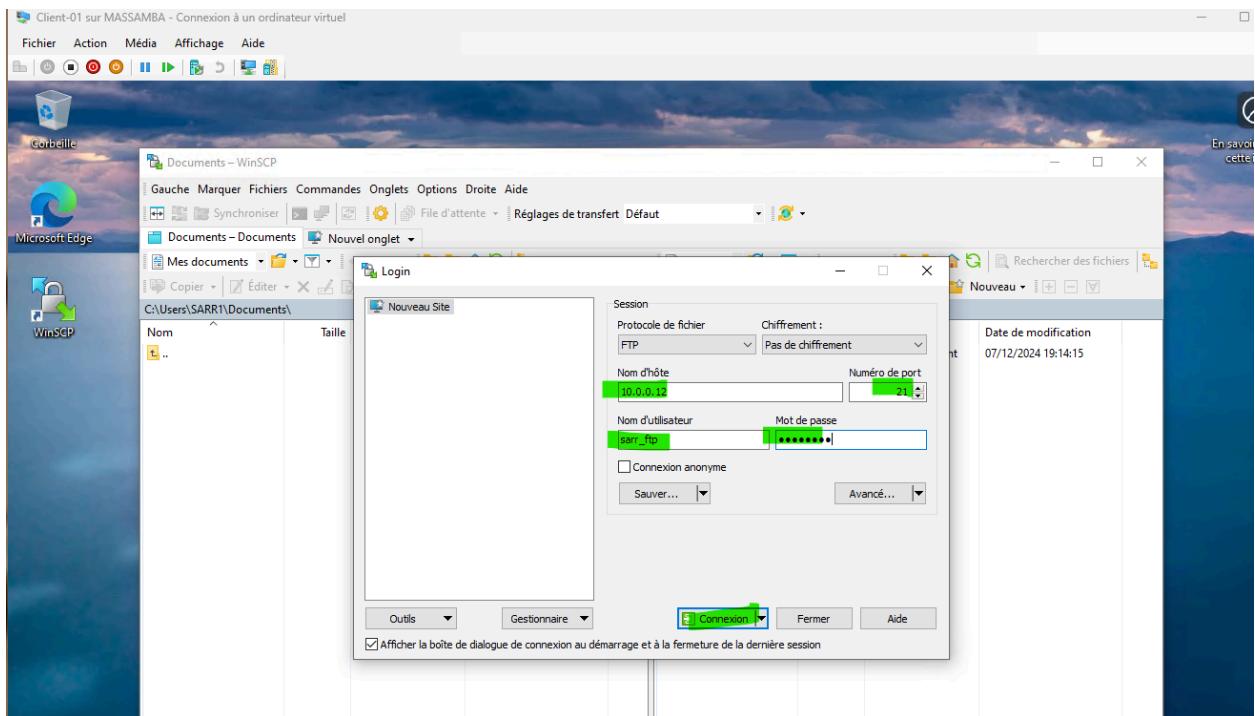
```
root@massamba:/home# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:15:5d:6b:05:e6 brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.12/24 metric 100 brd 10.0.0.255 scope global dynamic eth0
        valid_lft 684548sec preferred_lft 684548sec
    inet6 fe80::215:5dff:fe6b:5e6/64 scope link
        valid_lft forever preferred_lft forever
root@massamba:/home#
sarr_ftp ←
root@massamba:/home# cd sarr_ftp/
root@massamba:/home/sarr_ftp# ls
ftp
root@massamba:/home/sarr_ftp# cd ..
root@massamba:/home# _
```

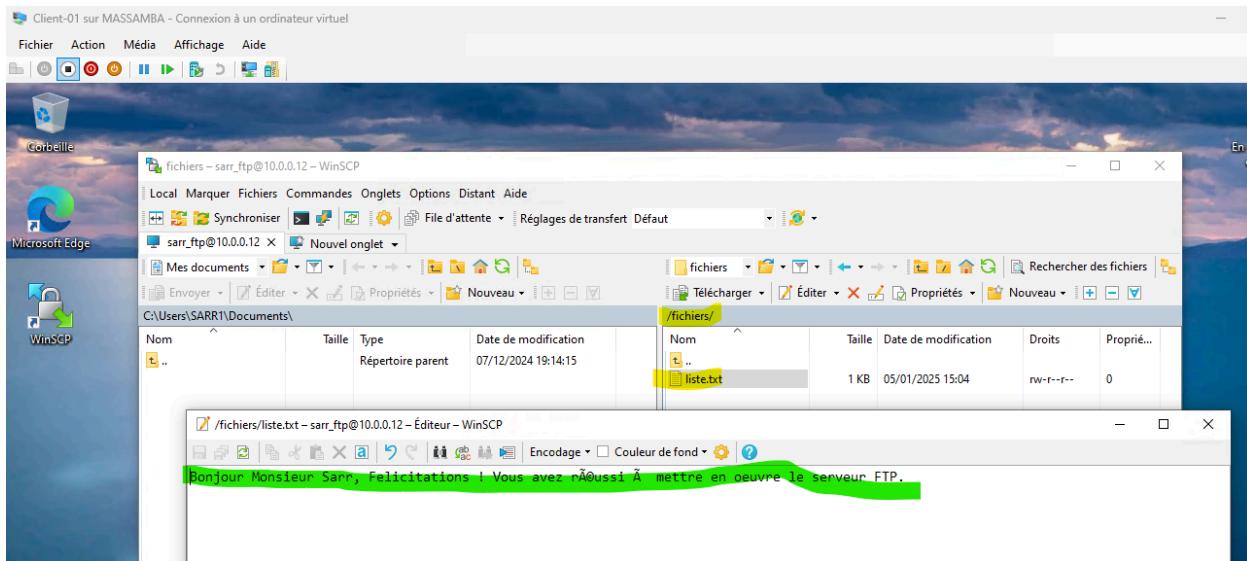
## Installer l'application WINSCP sur les machines concernées











Source :

<https://www.dir-tech.com/installer-un-serveur-ftp-sur-ubuntu-22-04-avec-vsftpd/>