



Faculté des Sciences et Technologies (FST)

Rapport du travail de Laboratoire N° 5 _ Reseaux I

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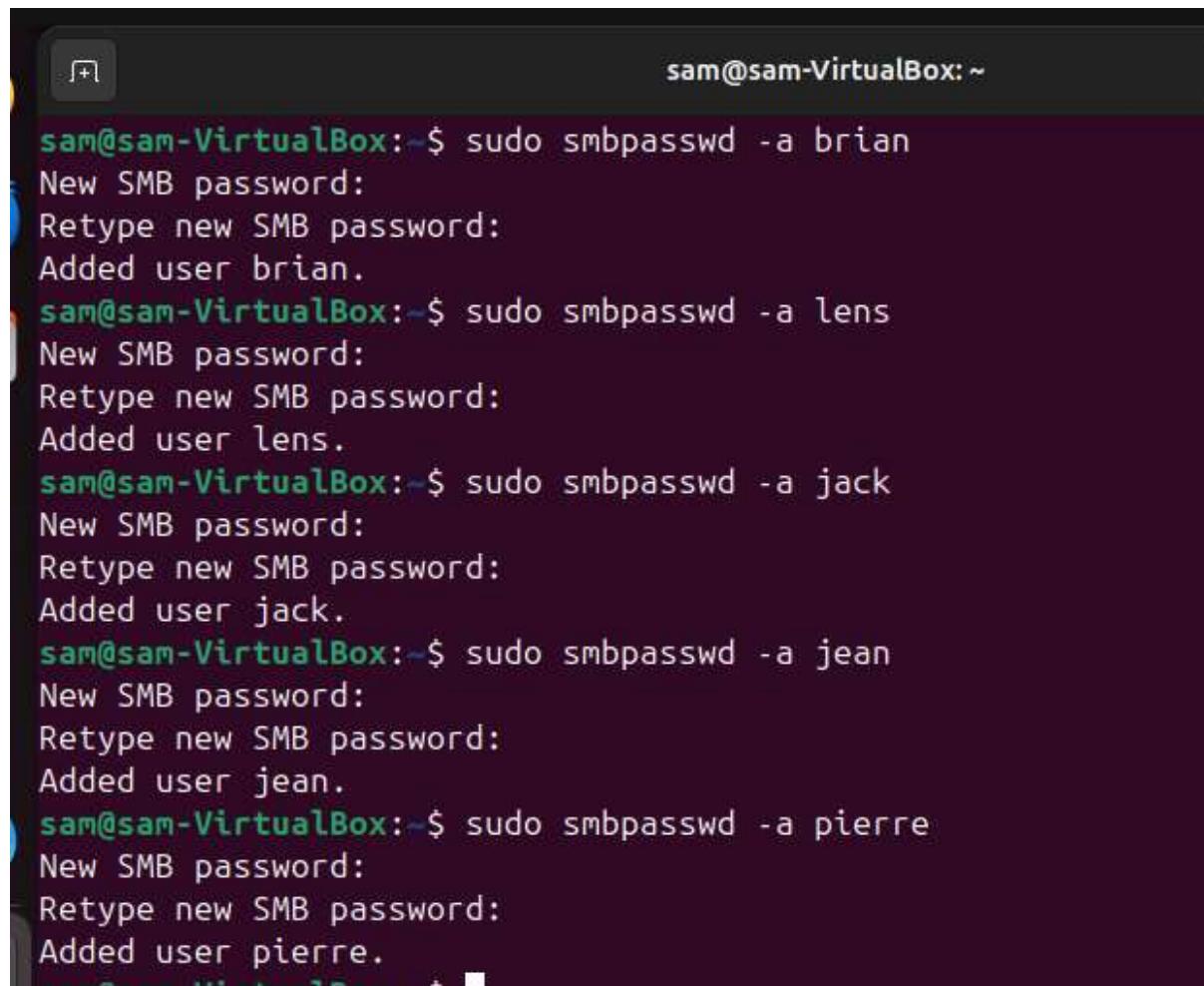
Niveau : L3

Décembre 2025

L'objectif de ce TD est de :

- Comprendre le rôle d'un serveur de fichiers
- Configurer des partages Samba (Windows / Linux)
- Configurer des partages NFS (Linux/Unix)
- Gérer les permissions, montages automatiques et sécurité
- Tester l'accessibilité depuis plusieurs clients
- Analyser la différence entre Samba et NFS

- Entrée des utilisateurs dans le serveur samba



```
 sam@sam-VirtualBox:~$ sudo smbpasswd -a brian
 New SMB password:
 Retype new SMB password:
 Added user brian.

 sam@sam-VirtualBox:~$ sudo smbpasswd -a lens
 New SMB password:
 Retype new SMB password:
 Added user lens.

 sam@sam-VirtualBox:~$ sudo smbpasswd -a jack
 New SMB password:
 Retype new SMB password:
 Added user jack.

 sam@sam-VirtualBox:~$ sudo smbpasswd -a jean
 New SMB password:
 Retype new SMB password:
 Added user jean.

 sam@sam-VirtualBox:~$ sudo smbpasswd -a pierre
 New SMB password:
 Retype new SMB password:
 Added user pierre.
```

```
 sam@sam-VirtualBox:~$ sudo smbpasswd -a mirline
 New SMB password:
 Retype new SMB password:
 Added user mirline.
 sam@sam-VirtualBox:~$ sudo smbpasswd -a martine
 New SMB password:
 Retype new SMB password:
 Added user martine.
 sam@sam-VirtualBox:~$ sudo smbpasswd -a magloire
 New SMB password:
 Retype new SMB password:
 Added user magloire.
 sam@sam-VirtualBox:~$ sudo smbpasswd -a linda
 New SMB password:
 Retype new SMB password:
 Added user linda.
 sam@sam-VirtualBox:~$ sudo smbpasswd -a lynthia
 New SMB password:
 Retype new SMB password:
 Added user lynthia.
```

```
 sam@sam-VirtualBox:~$ sudo smbpasswd -a marc
 New SMB password:
 Retype new SMB password:
 Added user marc.
 sam@sam-VirtualBox:~$ sudo smbpasswd -a bernard
 New SMB password:
 Retype new SMB password:
 Added user bernard.
 sam@sam-VirtualBox:~$ sudo smbpasswd -a cadet
 New SMB password:
 Retype new SMB password:
 Added user cadet.
 sam@sam-VirtualBox:~$ sudo smbpasswd -a olivier
 New SMB password:
 Retype new SMB password:
 Added user olivier.
 sam@sam-VirtualBox:~$ sudo smbpasswd -a cliff
 New SMB password:
 Retype new SMB password:
 Added user cliff.
```

- « **Testparm** » résumé des paramètres Samba

```
[Public]
guest ok = Yes
path = /srv/samba/public
read only = No

[DEV]
path = /srv/samba/dev
read only = No
valid users = @dev
write list = @dev

[SEC]
path = /srv/samba/sec
read only = No
valid users = @sec
write list = @sec

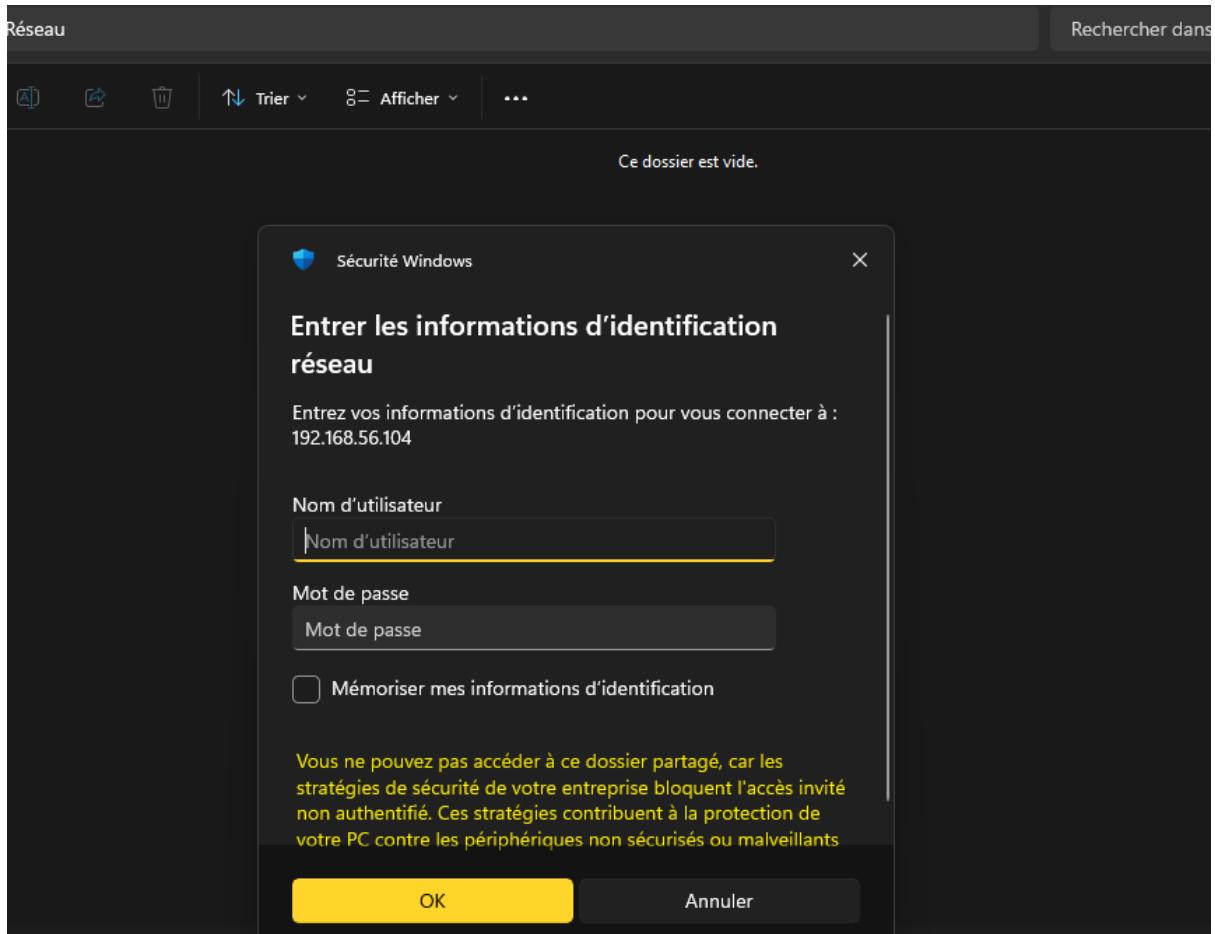
[OPS]
path = /srv/samba/ops
read only = No
valid users = @ops
write list = @ops

[SHARED]
path = /srv/samba/shared
```

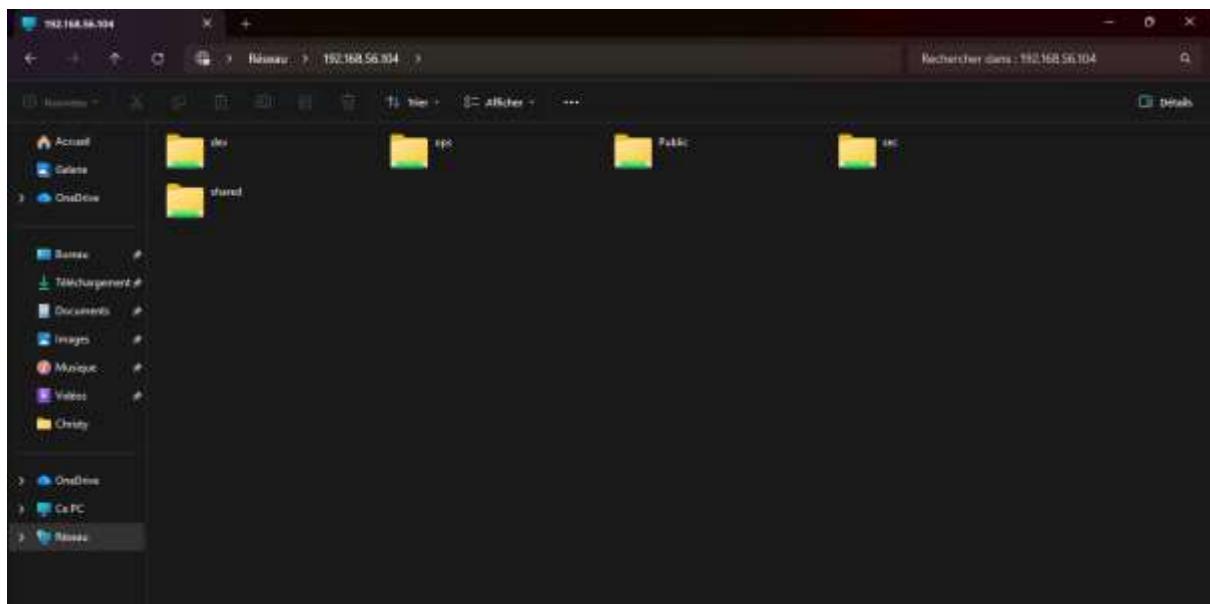
- Localisation de l'ip address de mon VM avec la commande « ip a »

```
[SHARED]
    path = /srv/samba/shared
    read only = No
    valid users = @shared
    write list = @shared
sam@sam-VirtualBox:~$ 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 noprefixroute
            valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:97:84:7c brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
        valid_lft 80077sec preferred_lft 80077sec
        inet6 fd17:625c:f037:2:568c:3d76:ede9:9fba/64 scope global temporary dynamic
            valid_lft 86387sec preferred_lft 14387sec
        inet6 fd17:625c:f037:2:ba82:61f6:b0fa:6143/64 scope global dynamic mngtmpaddr noprefixroute
            valid_lft 86387sec preferred_lft 14387sec
        inet6 fe80::5d2:1c8c:9ed8:7500/64 scope link noprefixroute
            valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:5e:e0:af brd ff:ff:ff:ff:ff:ff
    inet 192.168.56.104/24 brd 192.168.56.255 scope global dynamic noprefixroute enp0s8
        valid_lft 577sec preferred_lft 577sec
        inet6 fe80::a00:27ff:fe5e:e0af/64 scope link
            valid_lft forever preferred_lft forever
```

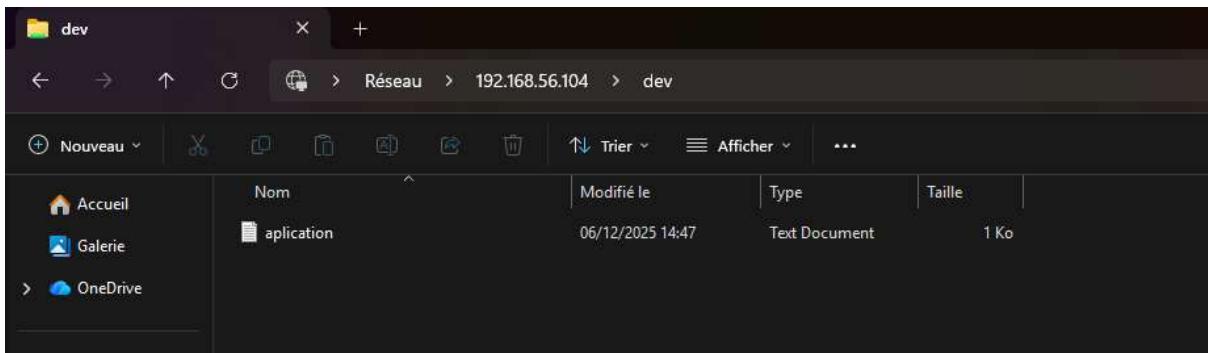
- Connexion du réseau entre ma machine physique et ma machine virtuelle.



- Accès au serveur samba depuis ma machine physique



- Ouverture d'un fichier créé depuis ma machine virtuelle sur ma machine physique



Conclusion

Ce TD m'a appris à configurer et m'a familiarisé avec l'utilisation du serveur Samba dans l'administration système depuis ma machine virtuelle, ce qui permet de faire le partage entre ma machine physique (Windows) et ma machine virtuelle (Linux), qui sont deux systèmes d'exploitation différents.