

Configuration des machines pfsense et debian

```
Enter a host name or IP address: 8.8.8.8

PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: icmp_seq=0 ttl=112 time=4.338 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=112 time=5.134 ms
^CVMware Virtual Machine - Netgate Device ID: 8e519b487e406118ccfc

*** Welcome to pfSense 2.7.2-RELEASE (amd64) on pfSense ***

WAN (wan)      -> em0      -> v4/DHCP4: 172.16.14.177/24
LAN (lan)      -> em1      -> v4: 192.168.1.1/24

0) Logout (SSH only)          9) pfTop
1) Assign Interfaces          10) Filter Logs
2) Set interface(s) IP address 11) Restart webConfigurator
3) Reset webConfigurator password 12) PHP shell + pfSense tools
4) Reset to factory defaults    13) Update from console
5) Reboot system              14) Enable Secure Shell (sshd)
6) Halt system                15) Restore recent configuration
7) Ping host                  16) Restart PHP-FPM
8) Shell

Enter an option: █
```

```
GNU nano 7.2 /etc/network/interfaces
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
allow-hotplug ens33
iface ens33 inet static
address 192.168.1.2
netmask 255.255.255.0
gateway 192.168.1.1
```

Création du dossier public et du point de montage.

```
sudo mkfs.ext4 /dev/sdb1
sudo mkdir /public
sudo mount /dev/sdb1 /public
sudo chmod 777 /public
```

Installation des paquets samba

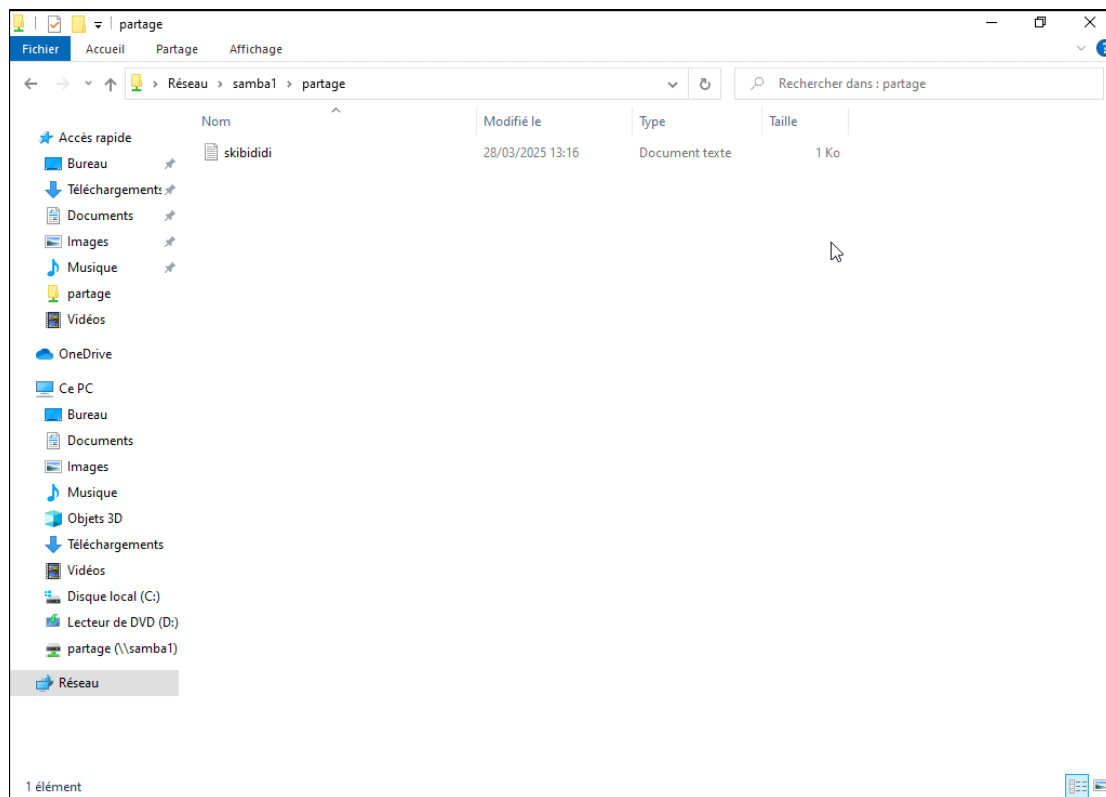
```
sudo apt install samba -y
```

Configuration du fichier configuration de smb et création du dossier de partage

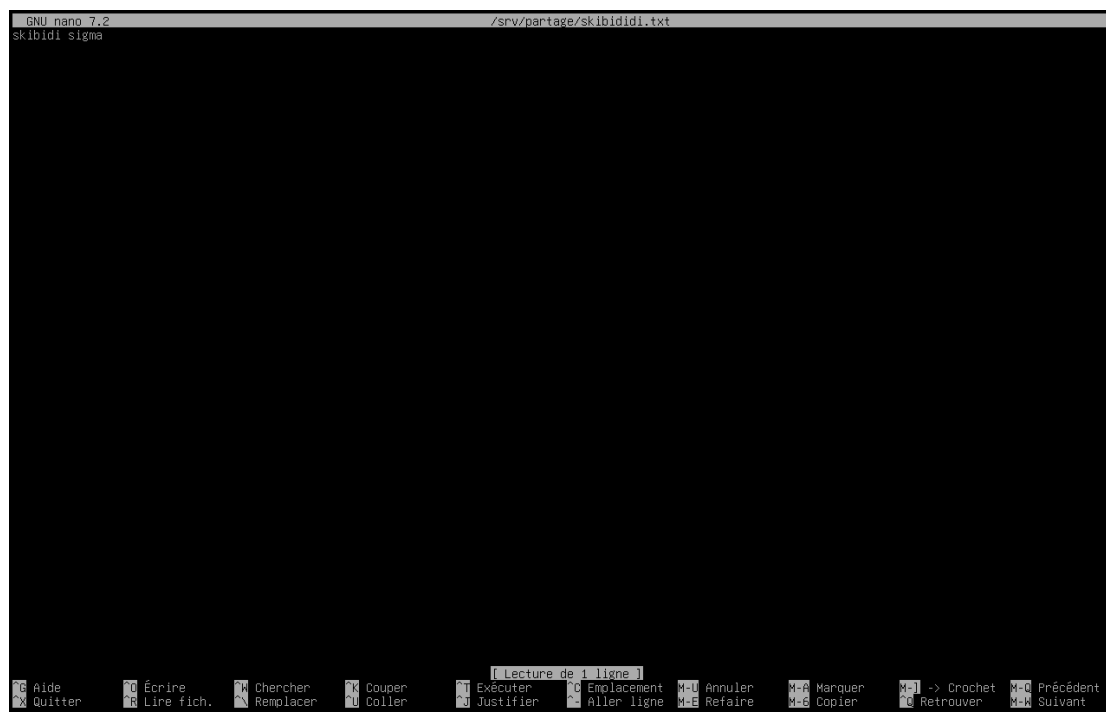
```
root@samba1:~# nano /etc/samba/smb.conf
```

```
[partage]
comment = Partage de données
path = /srv/partage
read only = no
browsable = yes
guest ok = yes
```

Accès au partage avec un client windows sur le même réseaux



Sur la machine samba accès au fichier créé depuis la machine windows.



A FAIRE SUR LES DEUX MACHINES

Installation paquet drbd

```
root@samba1:~# apt install drbd-utils -y
```

Activer le module

```
root@samba1:~# modprobe drbd
```

```
root@samba1:/etc/drbd.d# nano drbd0.res
```

```
resource r0 {
    startup {
        wfc-timeout 30;
        degr-wfc-timeout 15;
    }

    disk {
        on-io-error detach;
    }

    # Taux de transfert
    # 10M pour du 100mbits
    # 100M pour du 1Gbits
    syncer {
        rate 100M;
    }

    on samba1 {
        device /dev/drbd0;
        disk /dev/sdb1;
        address 192.168.1.11:7788;
        meta-disk internal;
    }
    on samba2 {
        device /dev/drbd0;
        disk /dev/sdb1;
        address 192.168.1.12:7788;
        meta-disk internal;
    }
}
```

device /dev/drbd0; #Ceci est le nom du disque DRBD que nous allons créer

disk /dev/sdb1; #Ceci est le chemin de la partition que nous allons utiliser

address 192.168.1.2:7788; #Adresse IP du samba1

meta-disk internal; #On écrit les MD sur le disque

```
root@samba1:~# device /dev/drbd0;
disk /dev/sdb1;
address 192.168.1.2:7788;
meta-disk internal;
```

Pour envoyer à samba2 sans erreur

```
root@sambal:~# scp /etc/drbd.d/drbd0.res root@192.168.1.3:/etc/drbd.d/
```

```
root@sambal:~# drbdadm create-md r0
drbdadm up r0
```

Mettre samba1 en prioritaire :

```
root@sambal:~# drbdadm -- --overwrite-data-of-peer primary r0
```

Sur samba2 :

```
root@sambal:~# drbdadm secondary r0
```

Une fois la synchro terminée

```
root@sambal:~# mkfs.ext4 /dev/drbd0
root@sambal:~# apt install heartbeat
```

```
root@sambal:/etc/ha.d# more ha.cf
mcast eth0 239.0.0.10 694 1 0

warntime 4
deadtime 5
initdead 15
keepalive 2

auto_failback off

samba sambal
samba samba2
```

```
root@sambal:/etc/ha.d# more haresources
sambal IPaddr::192.168.1.2/24/eth0 drbddisk::r0 Filesystem::/dev/drbd0::/mnt::ext4
```

```
root@sambal:/etc/ha.d# more authkeys
auth 3
3 md5 my-auth-key
```

Permissions

```
root@sambal:/etc/ha.d# chmod 600 /etc/ha.d/authkeys
```

Lancer sur les deux samba

```
root@sambal:/etc/ha.d# /etc/init.d/heartbeat start
```

```
root@Samba1:~# drbdadm status
r0 role:Primary
  disk:UpToDate
  peer role:Secondary
    replication:Established peer-disk:UpToDate
```