3FFE:0:0:101::/64

Mise en place et connexion:

Alice
mac:02:04:06:4f:a5:e8
id interface:02:04:06FF:FE4f:a5:e8
résultat:3FFE:0:0:101:204:06FF:FE4f:a5e8/64
Roger
mac:02:04:06:de:9f:5c
id interface:02:04:06FF:FEde:9f:5c
resultat:3FFE:0:0:101:204:06FF:FEde:9f5c/64

Alice:3FFE:0:0:101:204:06FF:FEd6:0635/64
Roger:3FFE:0:0:101:204:06FF:FEde:9427/64

ifconfig eth0
ifconfig eth0 add 3FFE:0:0:101:204:06FF:FE4f:a5e8/64
ifconfig eth0 up
pareil pour l'autre
testez
ping6 résultat

Configuration permanente

sudo vi /etc/network/interfaces

faire sur les deux

ne pas toucher
auto lo
iface lo inet loopback

faut modifier
auto interface
iface interface inet6 static
address adresse_ipv6
netmask préfixe_réseau

auto eth0
iface eth0 inet6 static
address 3FFE:0:0:101:204:06FF:FEde:9f5c
netmask 64

enregistrer et quitter ":wq"

service networking --full-restart

DNS

sur Alice

sudo vi /etc/bind/named.conf.local

<u>ecrire:</u>
```
zone "controle." {
type master;
file "/etc/bind/db.controle";
};
```

<u>testez</u>: named-checkconf

sudo vi /etc/bind/db.controle

@ IN SOA dns.controle. root.dns.controle. (
2023041301 ; serial
28800 ; refresh
14400 ; retry
36000 ; expire
86400 ; default_ttl
)
@ IN NS dns.controle.
dns IN AAAA 3FFE:0:0:101:204:06ff:fe92:980c(adress ip alice)
www IN AAAA 3FFE:0:0:101 :204:06ff:fe8a:6bea (adresse ip roger)
master IN CNAME dns
nfs IN CNAME www

terminal:
named-checkzone controle. /etc/bind/db.controle

lancer serveur: named

<u>sur Bob</u>
sudo vi /etc/resolv.conf

nameserver 3FFE:0:0:101:204:06ff:fe92:980c(adress ip alice)
search controle

terminal:
host dns.controle
host www

Web

Sur Bob
service apache2 start

vi /etc/apache2/sites-available/default

dans le fichier
NameVirtualHost www.controle:80
<VirtualHost www.controle:80>

service apache2 reload

dans Alice
taper links
echap -> file -> go to url -> tapez http://www.controle

NFS
sur Bob

mkdir /var/www/
chmod 777 /var/www/
sudo vi /etc/exports
mettre: /var/www/ adresseAlice(rw,no_subtree_check)
ensuite taper dans terminal
Sur Bob

```
-exportfs -ra
-rpcbind
-service nfs-kernel-server start
```

Sur Alice
```
-rpcbind
-mkdir /mnt/servNFS/
-mount -o rw [adresseRoger]:/var/www/ /mnt/servNFS/
```

tester
Sur Roger:
```
echo "OK" > /var/www/test_lecture
```

Sur Alice:
```
mount nfs:/var/www /mnt/servNFS
more /mnt/servNFS/test_lecture
echo "OK" > /mnt/servNFS/test_ecriture
```


Sur Roger:
```
more /var/www/test_ecriture
```

ROUTAGE

Creer machine caroline et mettre de carte ethernet pour alice.

Caroline: 3FFE:0:0:103:204:06FF:FEe9:4e8a/64

Sur Caroline:

```
ifconfig eth0
ifconfig eth0 add 3FFE:0:0:103:204:06FF:FEe9:4e8a/64
ifconfig eth0 up
```

Sur alice:
```
ifconfig eth1
ifconfig eth1 add 3FFE:0:0:103:204:06FF:FE48:b249/64
ifconfig eth1 up
```

testez
ping6 résultat

Caroline:

route -A inet6 add 3FFE:0:0:101:204:06FF:FEde:9427/64(adresse ip roger) gw 3FFE:0:0:103:204:06FF:FE48:b249(adresse Alice eth1) dev eth0

Roger:

route -A inet6 add 3FFE:0:0:103:204:06FF:FEe9:4e8a/64(adresse ip Caroline) gw 3FFE:0:0:101:204:06FF:FEd6:0635 (adresse ip alicce eth0) dev eth0

Alice:

echo 1 > /proc/sys/net/ipv6/conf/all/forwarding

-route -A inet6 add réseau(destination)/préfixe gw passerelle dev eth0

-echo 1 > /proc/sys/net/ipv6/conf/all/forwarding

Configuration du DNS :

-ajouter caroline dans alice

-ps -e | grep named (permet d'avoir le pid)

-kill -9 pid

-vi /etc/resolv.conf

nameserver 3FFE:0:0:1::1 (adresse ip du serveur dans les 2 machines)

search lazone

-host leserveur.lazone

-host leclient

-links + URL