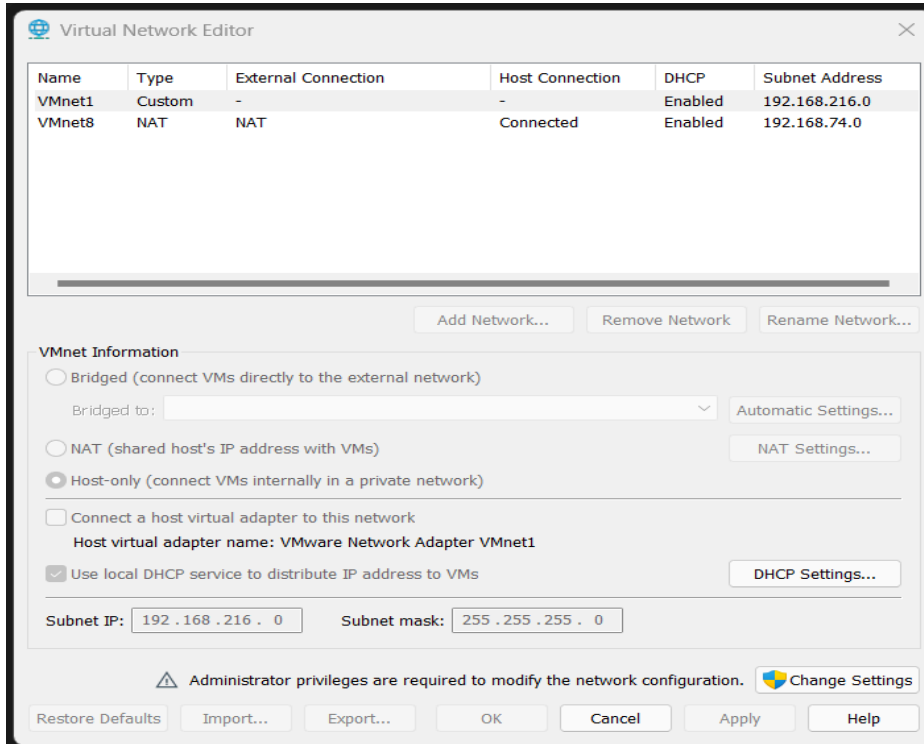


Host only (Allie)

Configuration de l'hyper V : host only décocher
"connect a host virtual adapter to this network"



VM : 2 vm sous Debian, edit network : host only
Renommer les noms des machines sous Debian avec
~hostnamectl set-hostname "nouveau nom"

Changement de nom de la machine debian vers debian1

```
allie@debian:~$ su -
Mot de passe :
root@debian:~# hostnamectl set-hostname debian2
root@debian:~# hostname
debian2
root@debian:~# _
```

Changement de nom de la machine debian vers debian2

```
allie@debian:~$ su -
Mot de passe :
root@debian:~# hostnamectl set-hostname debian2
root@debian:~# hostname
debian2
root@debian:~# _
```

Test de ping entre VM

```
root@debian:~# 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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:e0:c7:c1 brd ff:ff:ff:ff:ff:ff
    altname enp3s1
    inet 192.168.216.128/24 brd 192.168.216.255 scope global dynamic ens33
        valid_lft 1369sec preferred_lft 1369sec
    inet6 fe80::20c:29ff:fe0c:7c1/64 scope link
        valid_lft forever preferred_lft forever
root@debian:~# ping 192.168.216.129
PING 192.168.216.129 (192.168.216.129) 56(84) bytes of data.
64 bytes from 192.168.216.129: icmp_seq=1 ttl=64 time=1.50 ms
64 bytes from 192.168.216.129: icmp_seq=2 ttl=64 time=1.02 ms
64 bytes from 192.168.216.129: icmp_seq=3 ttl=64 time=1.55 ms
64 bytes from 192.168.216.129: icmp_seq=4 ttl=64 time=1.66 ms
64 bytes from 192.168.216.129: icmp_seq=5 ttl=64 time=1.96 ms
64 bytes from 192.168.216.129: icmp_seq=6 ttl=64 time=1.97 ms
64 bytes from 192.168.216.129: icmp_seq=7 ttl=64 time=1.21 ms
64 bytes from 192.168.216.129: icmp_seq=8 ttl=64 time=1.28 ms
64 bytes from 192.168.216.129: icmp_seq=9 ttl=64 time=1.50 ms
64 bytes from 192.168.216.129: icmp_seq=10 ttl=64 time=1.43 ms
64 bytes from 192.168.216.129: icmp_seq=11 ttl=64 time=1.42 ms
64 bytes from 192.168.216.129: icmp_seq=12 ttl=64 time=1.49 ms
64 bytes from 192.168.216.129: icmp_seq=13 ttl=64 time=1.60 ms
64 bytes from 192.168.216.129: icmp_seq=14 ttl=64 time=1.57 ms
64 bytes from 192.168.216.129: icmp_seq=15 ttl=64 time=1.83 ms

--- 192.168.216.129 ping statistics ---
15 packets transmitted, 15 received, 0% packet loss, time 14025ms
rtt min/avg/max/mdev = 1.022/1.448/1.827/0.186 ms
root@debian:~#
```

```
Passwort:
Linux debian 6.1.0-20-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.85-1 (2024-04-11) x86_64


The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.

Last login: Fri Apr 19 14:34:45 CEST 2024 on tty1
all@debian:~$ 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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:cc:3c:43 brd ff:ff:ff:ff:ff:ff
    altname enp3s1
    inet 192.168.216.129/24 brd 192.168.216.255 scope global dynamic ens33
        valid_lft 1779sec preferred_lft 1779sec
    inet6 fe80::20c:29ff:fecc:3c43/64 scope link
        valid_lft forever preferred_lft forever
all@debian:~$ ping 192.168.216.128
PING 192.168.216.128 (192.168.216.128) 56(84) bytes of data.
64 bytes from 192.168.216.128: icmp_seq=1 ttl=64 time=0.867 ms
64 bytes from 192.168.216.128: icmp_seq=2 ttl=64 time=1.48 ms
64 bytes from 192.168.216.128: icmp_seq=3 ttl=64 time=1.40 ms
64 bytes from 192.168.216.128: icmp_seq=4 ttl=64 time=1.23 ms
64 bytes from 192.168.216.128: icmp_seq=5 ttl=64 time=1.50 ms
64 bytes from 192.168.216.128: icmp_seq=6 ttl=64 time=1.64 ms

--- 192.168.216.128 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5009ms
rtt min/avg/max/mdev = 0.867/1.352/1.636/0.249 ms
all@debian:~$
```

Test ping hôte vers VM

 Invite de commandes

×

+

▼

```
Microsoft Windows [version 10.0.22631.3447]
(c) Microsoft Corporation. Tous droits réservés.

C:\Users\Moi>ping 192.168.216.128

Envoi d'une requête 'Ping' 192.168.216.128 avec 32 octets de données :
Délai d'attente de la demande dépassé.
Délai d'attente de la demande dépassé.
Délai d'attente de la demande dépassé.
Réponse de 176.57.240.60 : Impossible de joindre l'hôte de destination.

Statistiques Ping pour 192.168.216.128:
    Paquets : envoyés = 4, reçus = 1, perdus = 3 (perte 75%),

C:\Users\Moi> ping 192.168.216.129

Envoi d'une requête 'Ping' 192.168.216.129 avec 32 octets de données :
Délai d'attente de la demande dépassé.
Réponse de 176.57.240.60 : Impossible de joindre l'hôte de destination.
Réponse de 176.57.240.60 : Impossible de joindre l'hôte de destination.
Réponse de 176.57.240.60 : Impossible de joindre l'hôte de destination.

Statistiques Ping pour 192.168.216.129:
    Paquets : envoyés = 4, reçus = 3, perdus = 1 (perte 25%),
```

NAT (Kevin)

```
kaly@Debian666:~$ 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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:3e:90:8f brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 172.16.1.100/24 brd 172.16.1.255 scope global dynamic noprefixroute ens33
        valid_lft 1668sec preferred_lft 1668sec
    inet6 fe80::20c:29ff:fe3e:908f/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```

Debian 1 ip

```
kaly@Debian667:~$ 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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:44:35:40 brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 172.16.1.101/24 brd 172.16.1.255 scope global dynamic noprefixroute ens33
        valid_lft 1748sec preferred_lft 1748sec
    inet6 fe80::20c:29ff:fe44:3540/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```

Debian 2 ip

```
kaly@Debian666:~$ ping 127.0.0.101
PING 127.0.0.101 (127.0.0.101) 56(84) bytes of data.
64 bytes from 127.0.0.101: icmp seq=1 ttl=64 time=0.055 ms
```

Debian 1 => Debian 2

```
kaly@Debian667:~$ ping 172.16.1.100
PING 172.16.1.100 (172.16.1.100) 56(84) bytes of data.
64 bytes from 172.16.1.100: icmp_seq=1 ttl=64 time=0.991 ms
```

Debian 2 => Debian 1

```
PS C:\Users\kevca_k8sn0an> ping 127.0.0.100

Envoi d'une requête 'Ping' 127.0.0.100 avec 32 octets de données
Réponse de 127.0.0.100 : octets=32 temps<1ms TTL=128
Réponse de 127.0.0.100 : octets=32 temps<1ms TTL=128
Réponse de 127.0.0.100 : octets=32 temps<1ms TTL=128
Réponse de 127.0.0.100 : octets=32 temps<1ms TTL=128

Statistiques Ping pour 127.0.0.100:
    Paquets : envoyés = 4, reçus = 4, perdus = 0 (perte 0%),
    Durée approximative des boucles en millisecondes :
        Minimum = 0ms, Maximum = 0ms, Moyenne = 0ms
PS C:\Users\kevca_k8sn0an>
```

My PC => Debian 1

