NewWorld SA
Recette - Infrastructure Réseau

Projet réalisé par SCAFFIDI FONTI Mathis et PERDIGON Théo

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Sommaire

1. Routage inter-vlan Lardier

1er Client situé dans le VLAN 30 - Développement
2ème client situé dans le VLAN 20 - CoeurSI

Ping entre les clients

```
Client1@debian:~$ ping 10.14.20.2 #Client2
PING 10.14.20.2 (10.14.20.2) 56(84) bytes of data.
64 bytes from 10.14.20.2: icmp_seq=3 ttl=63 time=2.24 ms
64 bytes from 10.14.20.2: icmp_seq=4 ttl=63 time=1.24 ms
64 bytes from 10.14.20.2: icmp_seq=5 ttl=63 time=1.17 ms
64 bytes from 10.14.20.2: icmp_seq=6 ttl=63 time=1.32 ms
64 bytes from 10.14.20.2: icmp_seq=7 ttl=63 time=1.20 ms
^C
--- 10.14.20.2 ping statistics ---
7 packets transmitted, 5 received, 28.5714% packet loss, time 6035ms
rtt min/avg/max/mdev = 1.171/1.434/2.244/0.408 ms
```

Chaque client peut ping sa passerelle.

```
Client2@debian:~$ ping 10.14.20.254
PING 10.14.20.254 (10.14.20.254) 56(84) bytes of data.
64 bytes from 10.14.20.254: icmp_seq=1 ttl=255 time=0.673 ms
64 bytes from 10.14.20.254: icmp_seq=2 ttl=255 time=0.944 ms
64 bytes from 10.14.20.254: icmp_seq=3 ttl=255 time=0.886 ms
64 bytes from 10.14.20.254: icmp_seq=4 ttl=255 time=0.705 ms
64 bytes from 10.14.20.254: icmp_seq=5 ttl=255 time=0.644 ms
^C
--- 10.14.20.254 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4042ms
rtt min/avg/max/mdev = 0.644/0.770/0.944/0.121 ms
```

2. Intranet

Test de la liaison VPN site à site entre les deux routeurs (Lardier et Sisteron)

```
Routeur_Lardier#ping 10.14.100.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.14.100.2, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/4 ms
```

```
Routeur_Sisteron#ping 10.14.100.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.14.100.1, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/4 ms
```

3. Liaison LAN → DMZ

Le Client 1 se situe dans le VLAN 10 - Direction
Le Client 2 se situe dans le VLAN 40 - Logigot

Test du Client 1 vers un serveur de la DMZ privée :

```
Client1@debian:~$ ping 192.168.14.102
PING 192.168.14.102 (192.168.14.102) 56(84) bytes of data.
64 bytes from 192.168.14.102: icmp_seq=1 ttl=63 time=1.31 ms
64 bytes from 192.168.14.102: icmp_seq=2 ttl=63 time=1.37 ms
64 bytes from 192.168.14.102: icmp_seq=3 ttl=63 time=1.31 ms
--- 192.168.14.102 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 1.232/1.508/2.035/0.275 ms
```

Test du Client 2 vers un serveur de la DMZ privée :

```
Client2@debian:~$ ping 192.168.14.102
PING 192.168.14.102 (192.168.14.102) 56(84) bytes of data.
64 bytes from 192.168.14.102: icmp_seq=1 ttl=62 time=7.98 ms
64 bytes from 192.168.14.102: icmp_seq=2 ttl=62 time=2.88 ms
64 bytes from 192.168.14.102: icmp_seq=3 ttl=62 time=3.26 ms
--- 192.168.14.102 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 2.882/4.704/7.976/2.318 ms
```

Test du Client 1 vers un serveur de la DMZ publique :

```
Client1@debian:~# ping 192.168.14.130
PING 192.168.14.130 (192.168.14.130) 56(84) bytes of data.
64 bytes from 192.168.14.130: icmp_seq=1 ttl=63 time=2.43 ms
64 bytes from 192.168.14.130: icmp_seq=2 ttl=63 time=1.40 ms
64 bytes from 192.168.14.130: icmp_seq=3 ttl=63 time=1.13 ms
^C
--- 192.168.14.130 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2006ms
rtt min/avg/max/mdev = 1.131/1.651/2.428/0.559 ms
```

Test du Client 2 vers un serveur de la DMZ publique :

```
Client2@debian:~# ping 192.168.14.130
PING 192.168.14.130 (192.168.14.130) 56(84) bytes of data.
64 bytes from 192.168.14.130: icmp_seq=1 ttl=63 time=2.43 ms
64 bytes from 192.168.14.130: icmp_seq=2 ttl=63 time=1.40 ms
64 bytes from 192.168.14.130: icmp_seq=3 ttl=63 time=1.13 ms
^C
--- 192.168.14.130 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2006ms
rtt min/avg/max/mdev = 1.131/1.651/2.428/0.559 ms
```