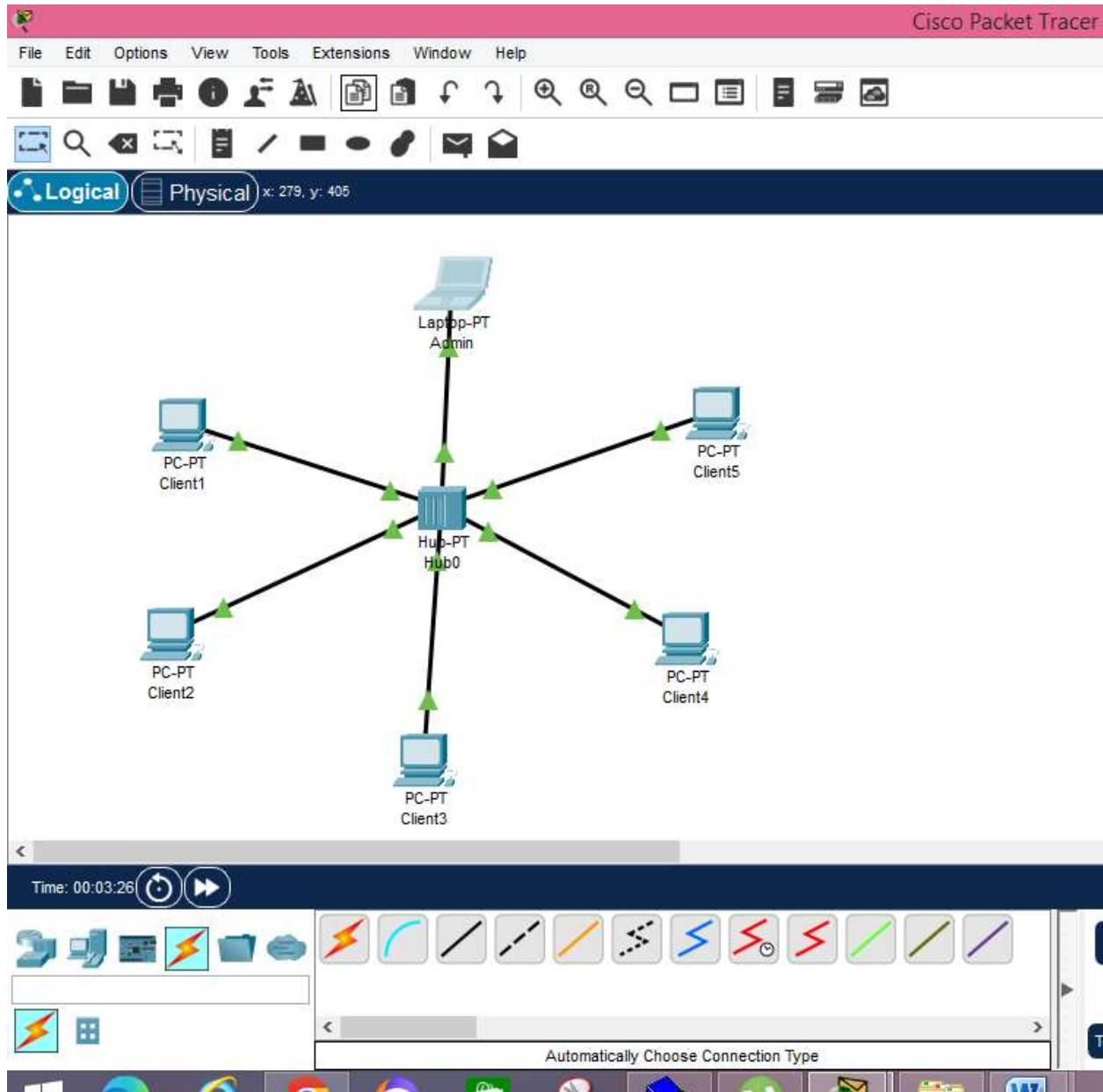


1-Reproduction et configuration des adresses IPv4 et IPv6, puis vérification de la connectivité.



Admin

Physical Config Desktop Programming Attributes

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=29ms TTL=128
Reply from 192.168.1.1: bytes=32 time=2ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 29ms, Average = 7ms

C:>ping 2001:2b8:1::1

Pinging 2001:2B8:1::1 with 32 bytes of data:

Reply from 2001:2B8:1::1: bytes=32 time<1ms TTL=128
Reply from 2001:2B8:1::1: bytes=32 time=27ms TTL=128
Reply from 2001:2B8:1::1: bytes=32 time=18ms TTL=128
Reply from 2001:2B8:1::1: bytes=32 time=58ms TTL=128

Ping statistics for 2001:2B8:1::1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 58ms, Average = 25ms

C:>|
```

Top

Client1

Physical Config Desktop Programming Attributes

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=18ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=15ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 18ms, Average = 8ms

C:\>ping 2001:2b8:1::2

Pinging 2001:2b8:1::2 with 32 bytes of data:

Reply from 2001:2B8:1::2: bytes=32 time=60ms TTL=128
Reply from 2001:2B8:1::2: bytes=32 time=9ms TTL=128
Reply from 2001:2B8:1::2: bytes=32 time=30ms TTL=128
Reply from 2001:2B8:1::2: bytes=32 time<1ms TTL=128

Ping statistics for 2001:2B8:1::2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 60ms, Average = 24ms

C:\>
```

Top

Client2

Physical Config Desktop Programming Attributes

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time=25ms TTL=128
Reply from 192.168.1.3: bytes=32 time=2ms TTL=128
Reply from 192.168.1.3: bytes=32 time=63ms TTL=128
Reply from 192.168.1.3: bytes=32 time=38ms TTL=128

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 63ms, Average = 32ms

C:\>ping 2001:2B8:1::3

Pinging 2001:2B8:1::3 with 32 bytes of data:

Reply from 2001:2B8:1::3: bytes=32 time=72ms TTL=128
Reply from 2001:2B8:1::3: bytes=32 time<1ms TTL=128
Reply from 2001:2B8:1::3: bytes=32 time=50ms TTL=128
Reply from 2001:2B8:1::3: bytes=32 time=2ms TTL=128

Ping statistics for 2001:2B8:1::3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 72ms, Average = 31ms

C:\>
```

Top

Client4

Physical Config Desktop Programming Attributes

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.5

Pinging 192.168.1.5 with 32 bytes of data:

Reply from 192.168.1.5: bytes=32 time=96ms TTL=128
Reply from 192.168.1.5: bytes=32 time=8ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 96ms, Average = 26ms

C:\>ping 2001:2b8:1::5

Pinging 2001:2b8:1::5 with 32 bytes of data:

Reply from 2001:2B8:1::5: bytes=32 time=45ms TTL=128
Reply from 2001:2B8:1::5: bytes=32 time=7ms TTL=128
Reply from 2001:2B8:1::5: bytes=32 time=6ms TTL=128
Reply from 2001:2B8:1::5: bytes=32 time<1ms TTL=128

Ping statistics for 2001:2B8:1::5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 45ms, Average = 14ms

C:\>
```

Top

Client5

Physical Config Desktop Programming Attributes

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.6

Pinging 192.168.1.6 with 32 bytes of data:

Reply from 192.168.1.6: bytes=32 time=53ms TTL=128
Reply from 192.168.1.6: bytes=32 time=78ms TTL=128
Reply from 192.168.1.6: bytes=32 time=1ms TTL=128
Reply from 192.168.1.6: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.6:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 78ms, Average = 33ms

C:\>ping 2001:2B8:1::6

Pinging 2001:2B8:1::6 with 32 bytes of data:

Reply from 2001:2B8:1::6: bytes=32 time=57ms TTL=128
Reply from 2001:2B8:1::6: bytes=32 time=1ms TTL=128
Reply from 2001:2B8:1::6: bytes=32 time=46ms TTL=128
Reply from 2001:2B8:1::6: bytes=32 time=79ms TTL=128

Ping statistics for 2001:2B8:1::6:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 79ms, Average = 45ms

C:\>
```

Top

Client3

Physical Config Desktop Programming Attributes

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.4

Pinging 192.168.1.4 with 32 bytes of data:

Reply from 192.168.1.4: bytes=32 time=38ms TTL=128
Reply from 192.168.1.4: bytes=32 time=8ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 38ms, Average = 11ms

C:\>ping 2001:2b8:1::4

Pinging 2001:2b8:1::4 with 32 bytes of data:

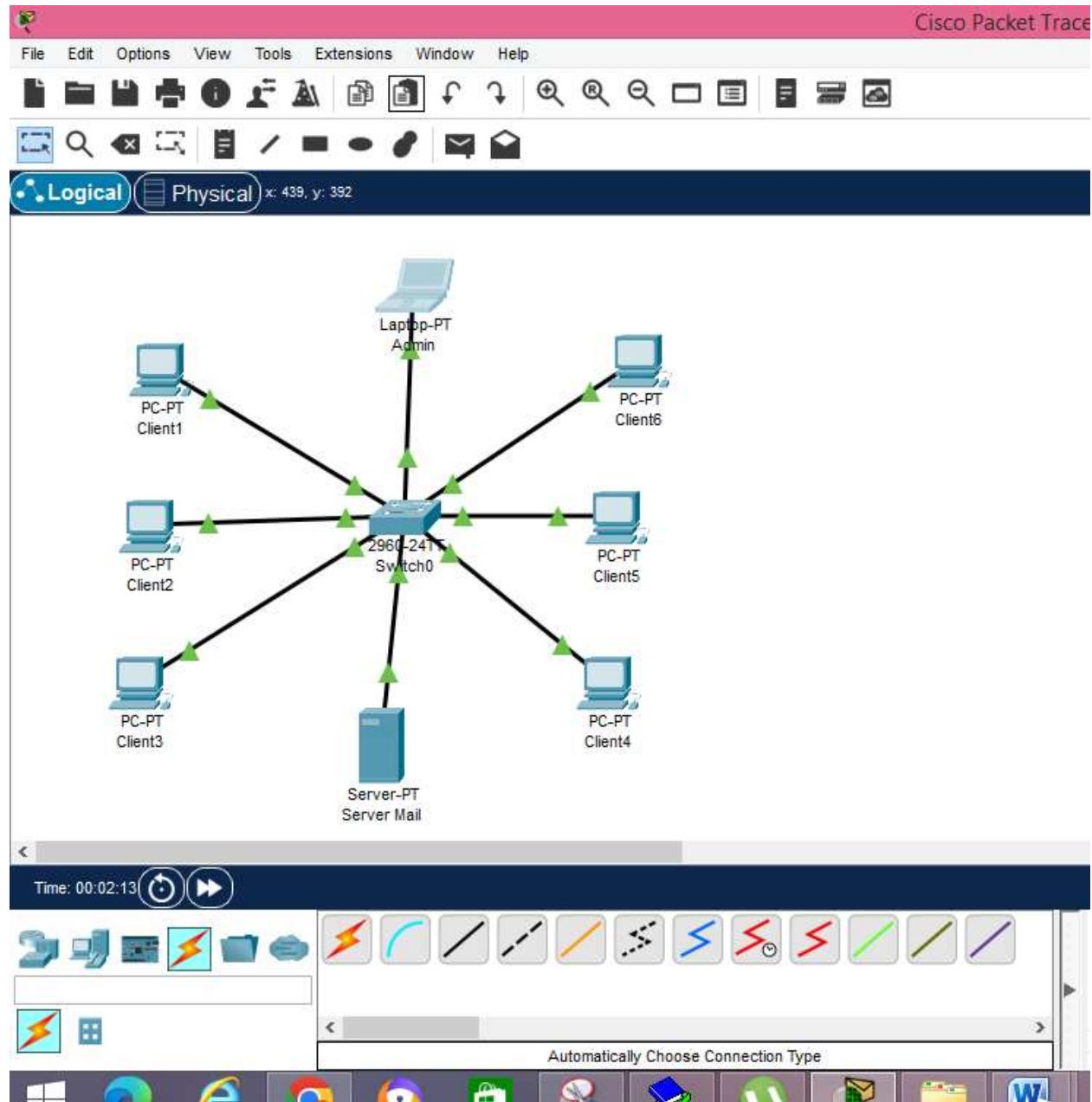
Reply from 2001:2B8:1::4: bytes=32 time=38ms TTL=128
Reply from 2001:2B8:1::4: bytes=32 time=8ms TTL=128
Reply from 2001:2B8:1::4: bytes=32 time=52ms TTL=128
Reply from 2001:2B8:1::4: bytes=32 time=5ms TTL=128

Ping statistics for 2001:2B8:1::4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 5ms, Maximum = 52ms, Average = 25ms

C:\>|
```

Top

2. Reproduction et configuration des adresses IPv4 et IPv6, puis vérification de la connectivité.



The image shows a screenshot of the Cisco Packet Tracer software interface. At the top, there's a menu bar with tabs: Physical, Config, Desktop (which is selected), Programming, and Attributes. Below the menu is a toolbar with icons for Save, Undo, Redo, Cut, Copy, Paste, Delete, Find, and Select. A title bar says "Cisco Packet Tracer Admin". A status bar at the bottom right shows "CPU: 100% RAM: 100%".

The main area is a "Command Prompt" window with a blue header bar containing the text "Command Prompt" and a close button "X". The window displays the following command-line session:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=65ms TTL=128
Reply from 192.168.1.1: bytes=32 time=3ms TTL=128
Reply from 192.168.1.1: bytes=32 time=36ms TTL=128
Reply from 192.168.1.1: bytes=32 time=2ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 65ms, Average = 26ms

C:\>ping 2001:2b8:1::1

Pinging 2001:2b8:1::1 with 32 bytes of data:

Reply from 2001:2B8:1::1: bytes=32 time=14ms TTL=128
Reply from 2001:2B8:1::1: bytes=32 time=23ms TTL=128
Reply from 2001:2B8:1::1: bytes=32 time=14ms TTL=128
Reply from 2001:2B8:1::1: bytes=32 time=47ms TTL=128

Ping statistics for 2001:2B8:1::1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 14ms, Maximum = 47ms, Average = 24ms

C:\>
```

Top

Client1

Physical Config Desktop Programming Attributes

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=21ms TTL=128
Reply from 192.168.1.2: bytes=32 time=2ms TTL=128
Reply from 192.168.1.2: bytes=32 time=2ms TTL=128
Reply from 192.168.1.2: bytes=32 time=2ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 21ms, Average = 6ms

C:\>ping 2001:2b8:1::2

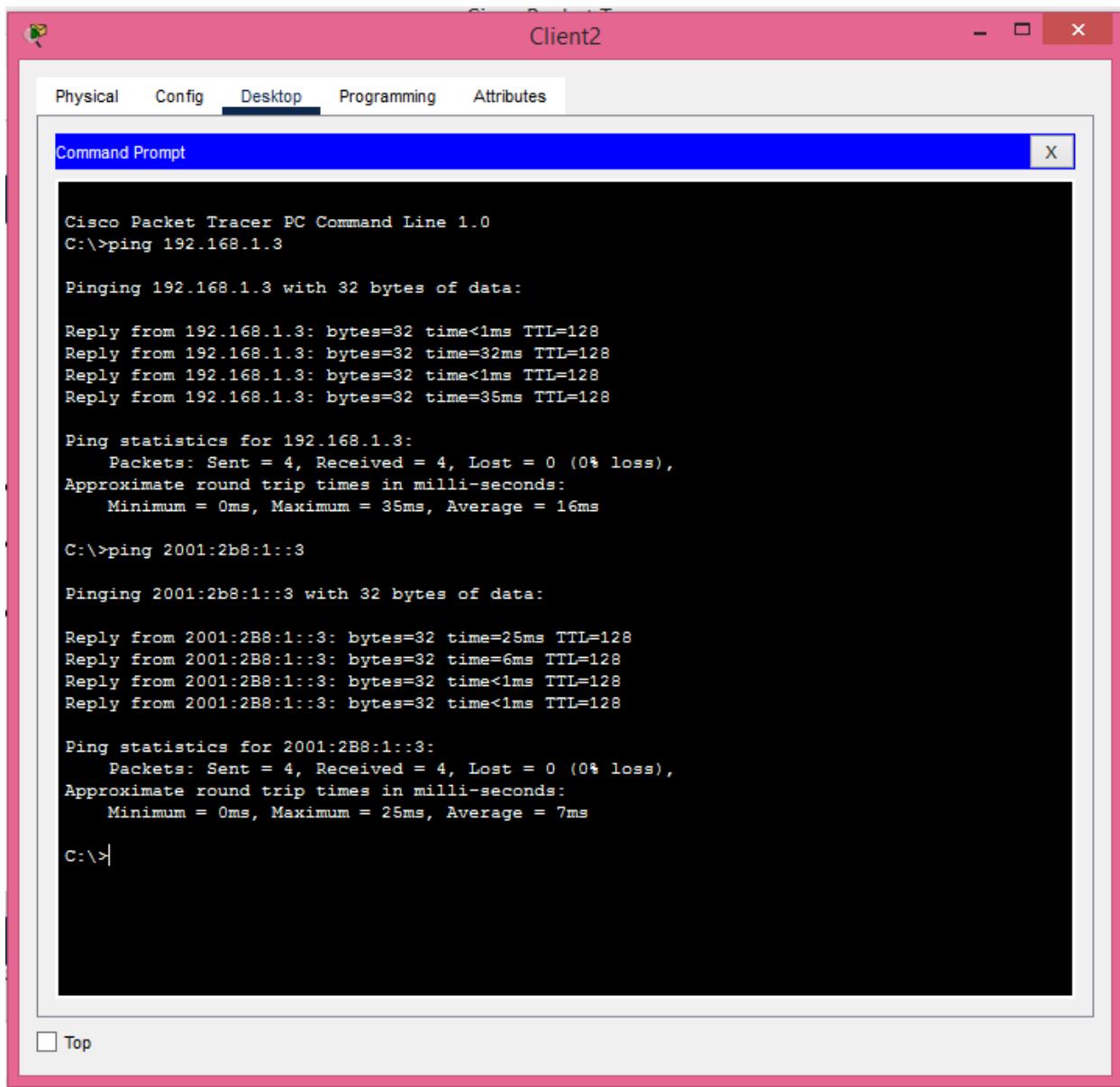
Pinging 2001:2b8:1::2 with 32 bytes of data:

Reply from 2001:2B8:1::2: bytes=32 time<1ms TTL=128
Reply from 2001:2B8:1::2: bytes=32 time=31ms TTL=128
Reply from 2001:2B8:1::2: bytes=32 time=2ms TTL=128
Reply from 2001:2B8:1::2: bytes=32 time=14ms TTL=128

Ping statistics for 2001:2B8:1::2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 31ms, Average = 11ms

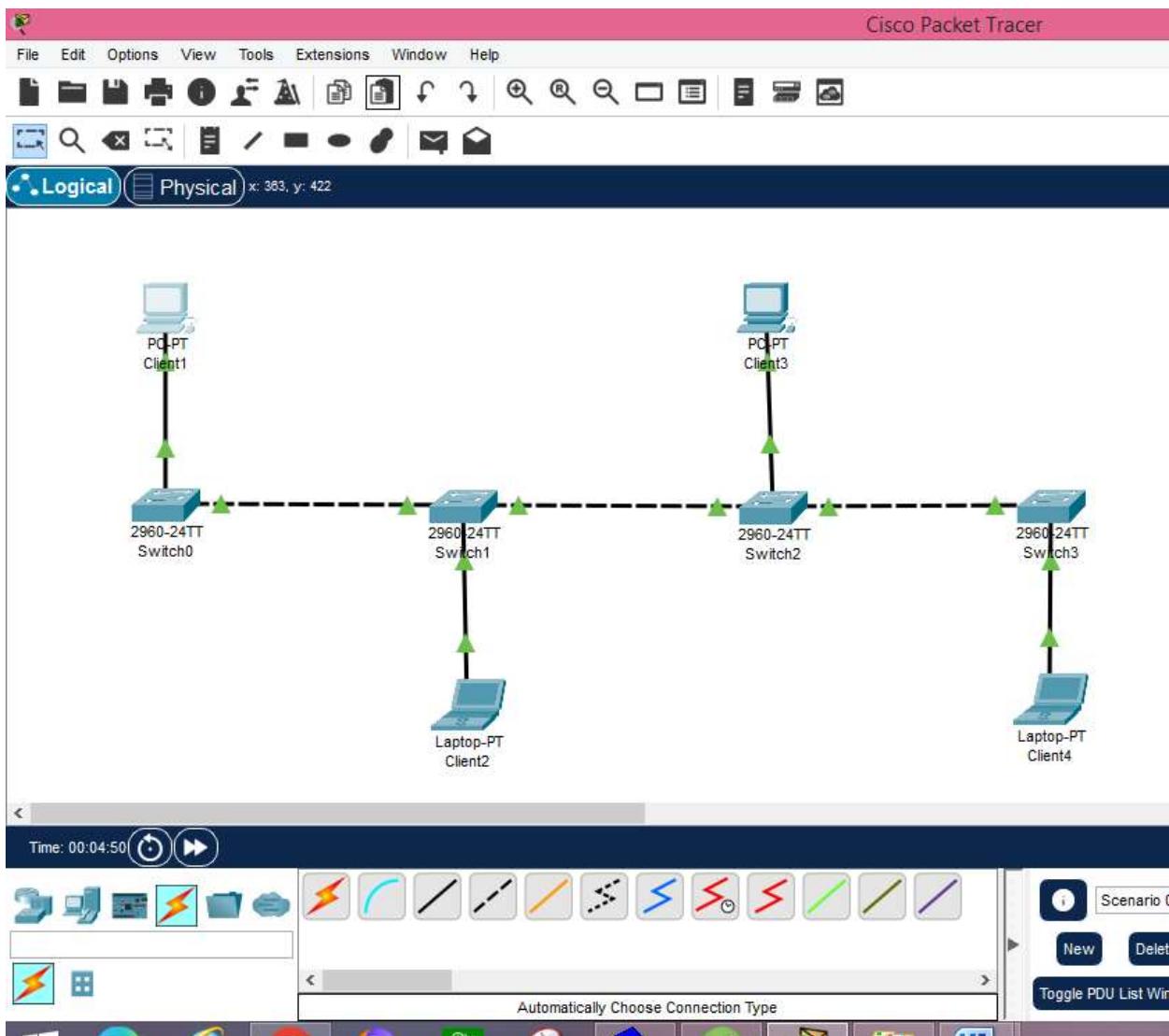
C:\>
```

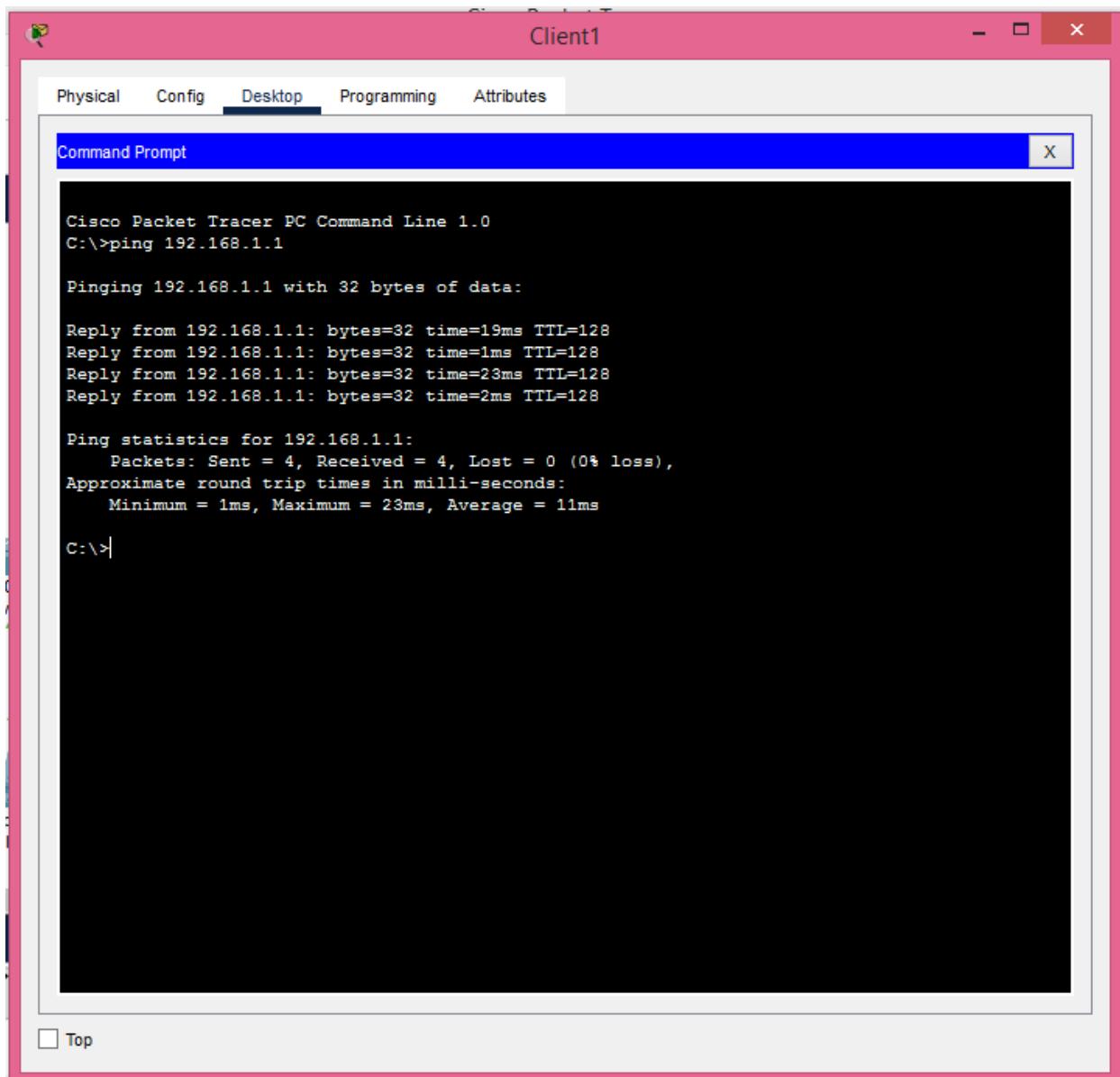
Top



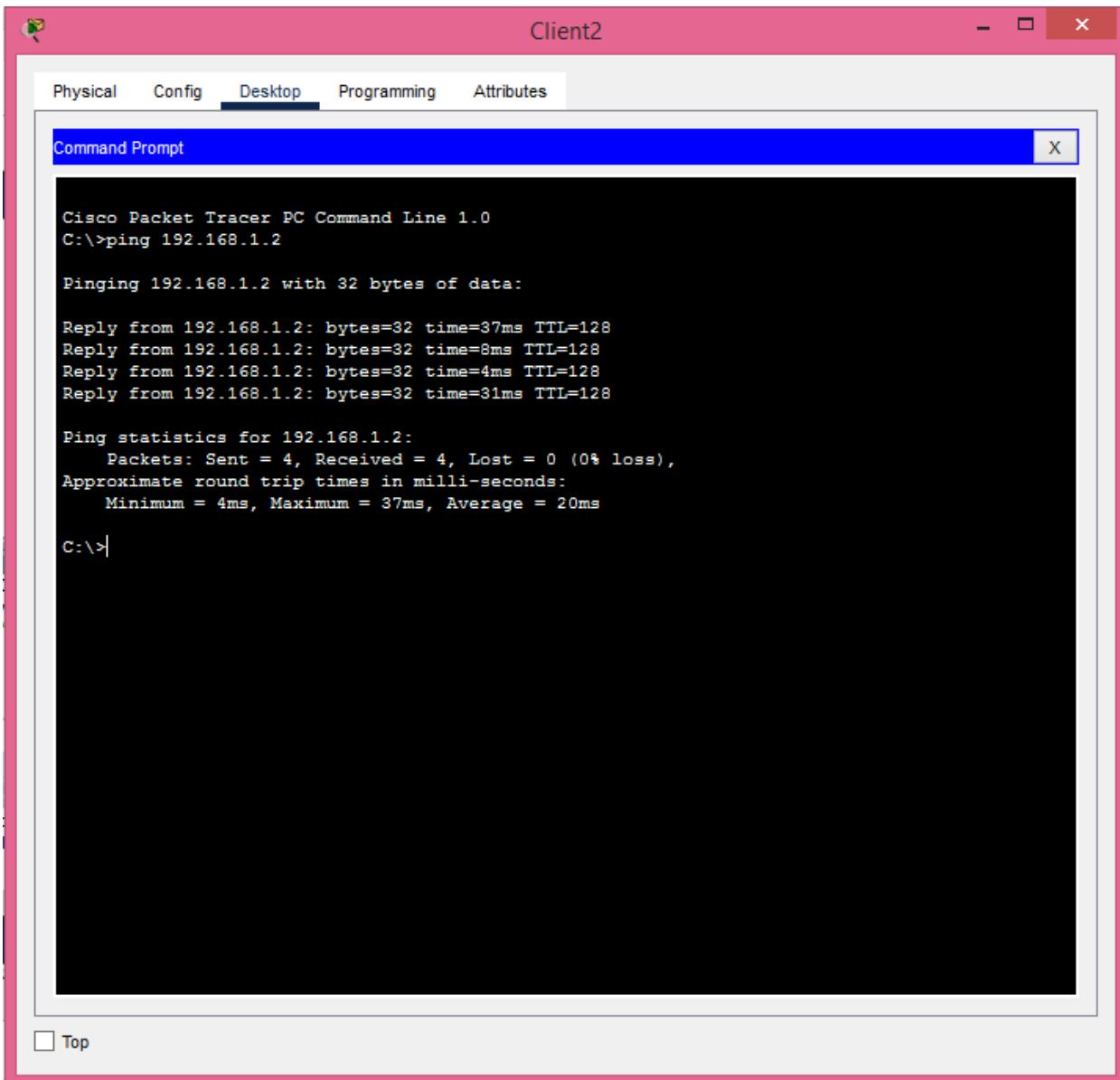
Top

3. Production d'une topologie en bus et configuration des adresses IPv4, puis vérification de la connectivité.



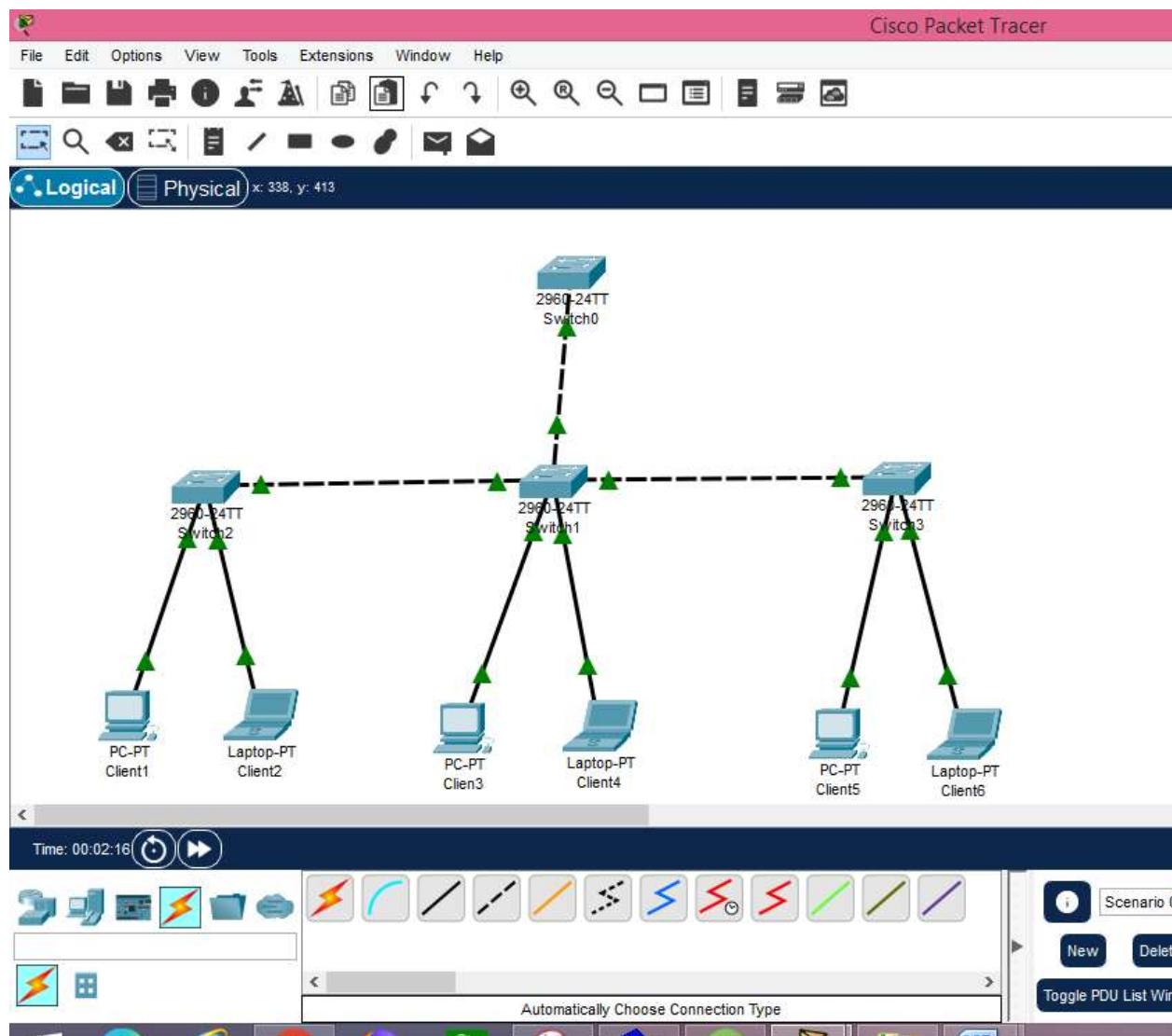


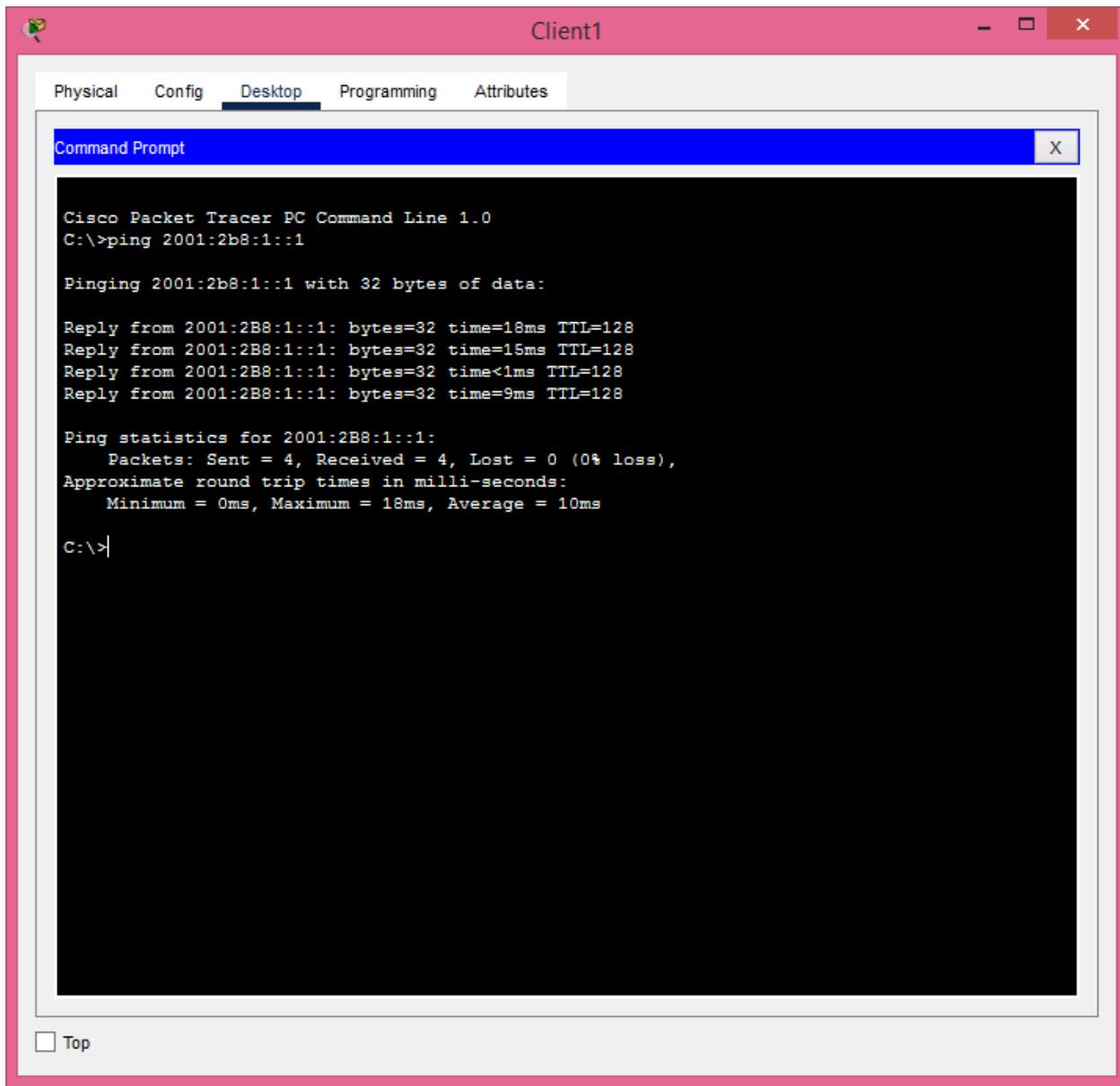
Top



Top

4- Production d'une topologie en arbre et configuration des adresses IPv6, puis vérification de la connectivité.





Top

