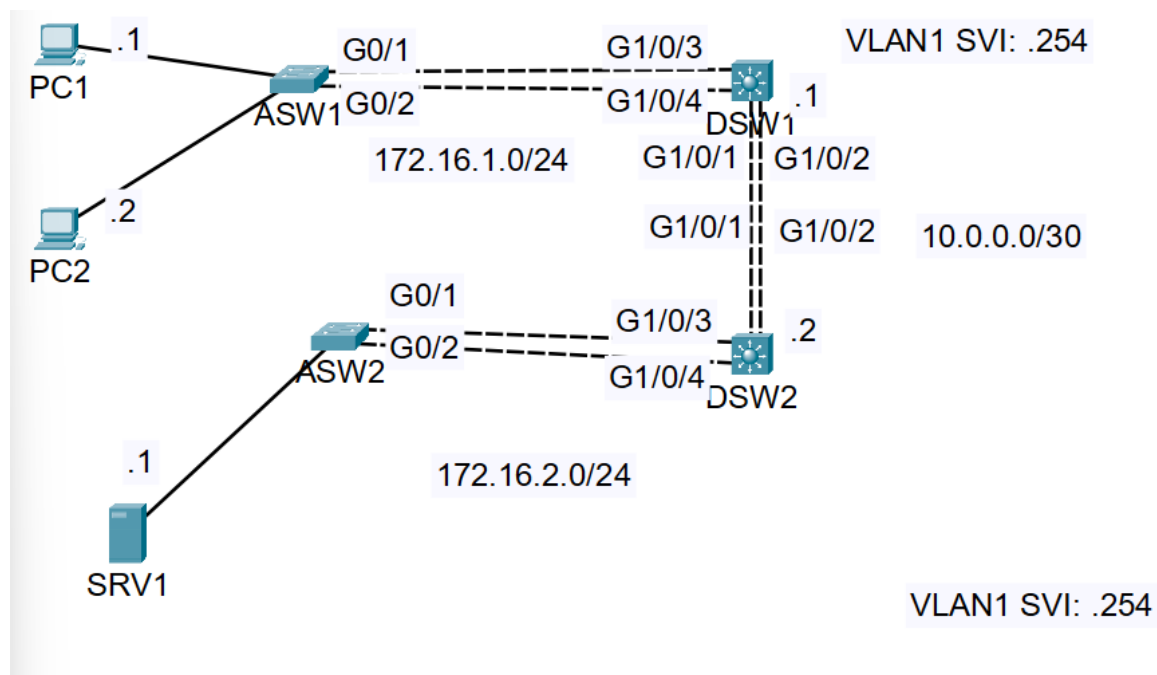


## Network Topology:



PC1:

```
PC1

Physical | Config | Desktop | Programming | A

Command Prompt

C:\>ping 172.16.2.1

Pinging 172.16.2.1 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.16.2.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.16.2.1

Pinging 172.16.2.1 with 32 bytes of data:

Request timed out.
Request timed out.
Reply from 172.16.2.1: bytes=32 time=1ms TTL=126
Reply from 172.16.2.1: bytes=32 time<1ms TTL=126

Ping statistics for 172.16.2.1:
    Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 172.16.1.2

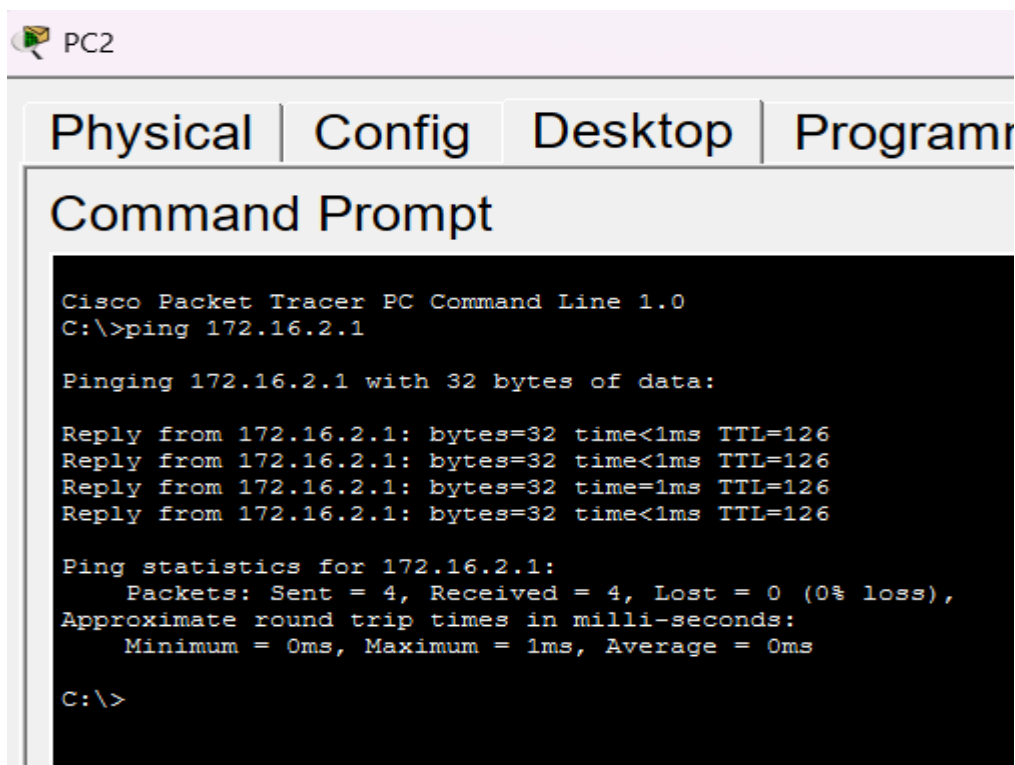
Pinging 172.16.1.2 with 32 bytes of data:

Reply from 172.16.1.2: bytes=32 time<1ms TTL=128
Reply from 172.16.1.2: bytes=32 time<1ms TTL=128
Reply from 172.16.1.2: bytes=32 time<1ms TTL=128
Reply from 172.16.1.2: bytes=32 time=1ms TTL=128

Ping statistics for 172.16.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

PC2:



The screenshot shows the PC2 interface in Cisco Packet Tracer. The top bar has a PC icon and the label 'PC2'. Below it are four tabs: 'Physical', 'Config', 'Desktop', and 'Programs'. The 'Desktop' tab is selected, showing a 'Command Prompt' window. The command prompt has a black background with white text. It shows the command 'C:\>ping 172.16.2.1' being executed. The output indicates a successful ping with 0% loss and a round trip time of 0ms.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 172.16.2.1

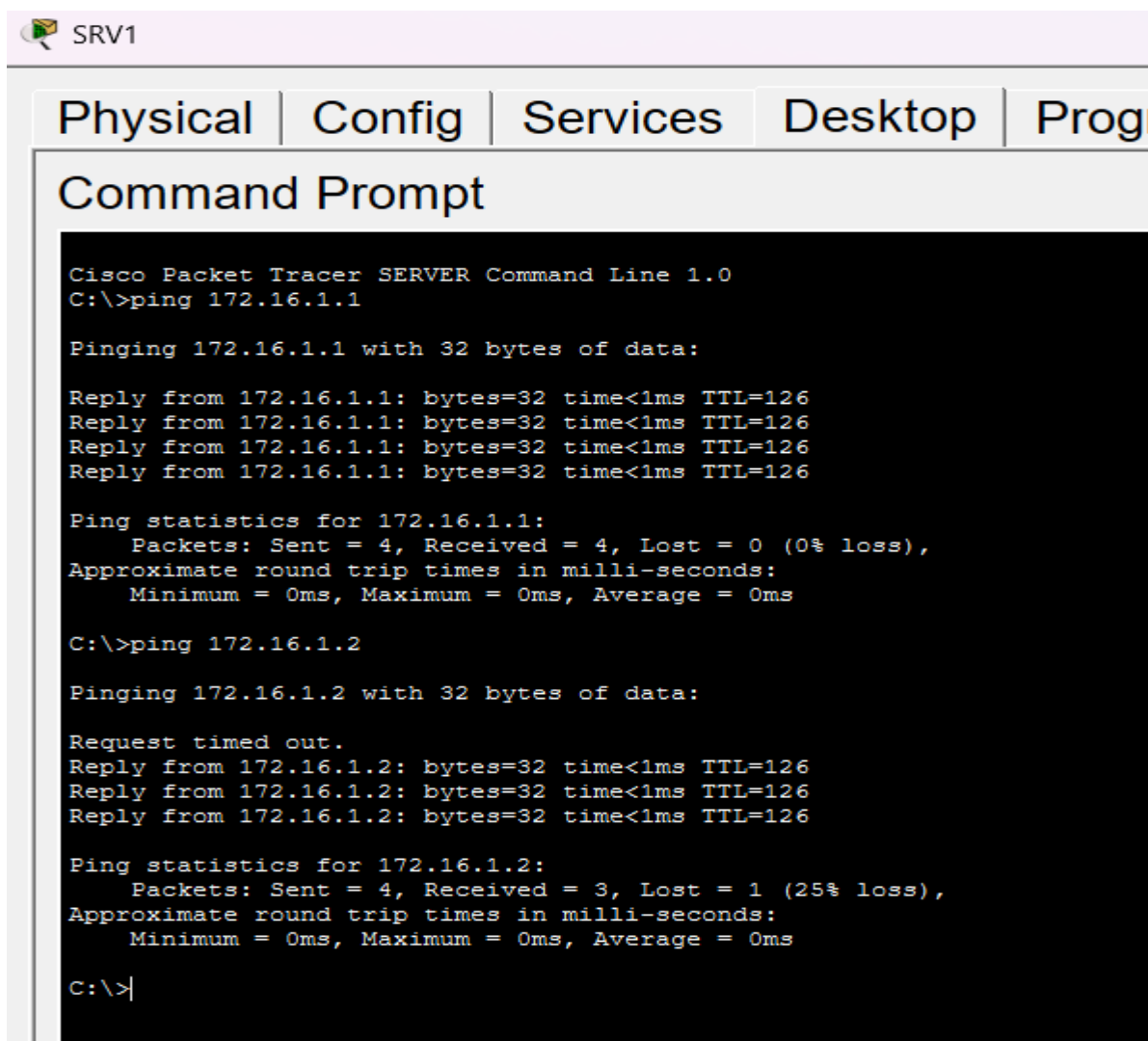
Pinging 172.16.2.1 with 32 bytes of data:

Reply from 172.16.2.1: bytes=32 time<1ms TTL=126
Reply from 172.16.2.1: bytes=32 time<1ms TTL=126
Reply from 172.16.2.1: bytes=32 time=1ms TTL=126
Reply from 172.16.2.1: bytes=32 time<1ms TTL=126

Ping statistics for 172.16.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

SRV1:



The screenshot shows the SRV1 interface in Cisco Packet Tracer. The top bar has a server icon and the label 'SRV1'. Below it are five tabs: 'Physical', 'Config', 'Services', 'Desktop', and 'Programs'. The 'Desktop' tab is selected, showing a 'Command Prompt' window. The command prompt has a black background with white text. It shows two ping commands being executed: 'C:\>ping 172.16.1.1' and 'C:\>ping 172.16.1.2'. The first ping is successful with 0% loss. The second ping shows a 'Request timed out' for the first attempt, followed by three successful replies, resulting in a 25% loss.

```
Cisco Packet Tracer SERVER Command Line 1.0
C:\>ping 172.16.1.1

Pinging 172.16.1.1 with 32 bytes of data:

Reply from 172.16.1.1: bytes=32 time<1ms TTL=126
Reply from 172.16.1.1: bytes=32 time<1ms TTL=126
Reply from 172.16.1.1: bytes=32 time<1ms TTL=126
Reply from 172.16.1.1: bytes=32 time<1ms TTL=126

Ping statistics for 172.16.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 172.16.1.2

Pinging 172.16.1.2 with 32 bytes of data:

Request timed out.
Reply from 172.16.1.2: bytes=32 time<1ms TTL=126
Reply from 172.16.1.2: bytes=32 time<1ms TTL=126
Reply from 172.16.1.2: bytes=32 time<1ms TTL=126

Ping statistics for 172.16.1.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>|
```