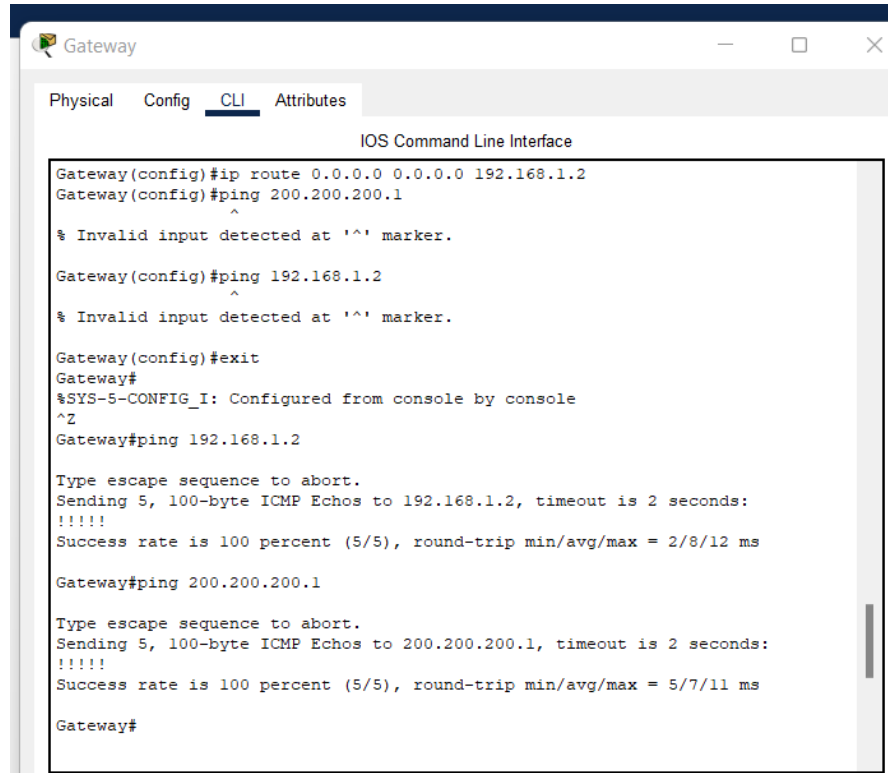


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Step 3: Configure the routers

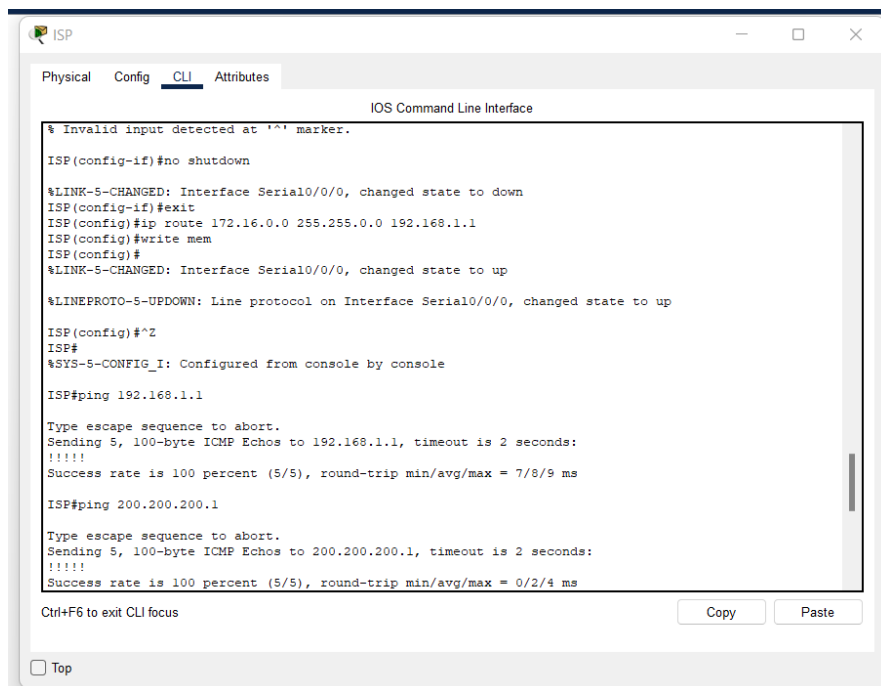
c. Was this ping successful?

YES



The screenshot shows the Gateway router's CLI interface. The user has entered the configuration mode and configured a static route from 0.0.0.0 to 192.168.1.2. They then attempted to ping 200.200.200.1 but received an 'Invalid input detected at '^' marker.' error. After exiting configuration mode, they successfully pinged 192.168.1.2 and 200.200.200.1, both showing 100% success rates.

```
Gateway
Physical Config CLI Attributes
IOS Command Line Interface
Gateway(config)#ip route 0.0.0.0 0.0.0.0 192.168.1.2
Gateway(config)#ping 200.200.200.1
^
% Invalid input detected at '^' marker.
Gateway(config)#ping 192.168.1.2
^
% Invalid input detected at '^' marker.
Gateway(config)#exit
Gateway#
%SYS-5-CONFIG_I: Configured from console by console
^Z
Gateway#ping 192.168.1.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 2/8/12 ms
Gateway#ping 200.200.200.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 200.200.200.1, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 5/7/11 ms
Gateway#
```



The screenshot shows the ISP router's CLI interface. The user has entered the configuration mode and configured a static route from 172.16.0.0 to 192.168.1.1. They then attempted to ping 192.168.1.1 but received an 'Invalid input detected at '^' marker.' error. After exiting configuration mode, they successfully pinged 192.168.1.1 and 200.200.200.1, both showing 100% success rates.

```
ISP
Physical Config CLI Attributes
IOS Command Line Interface
% Invalid input detected at '^' marker.
ISP(config-if)#no shutdown
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
ISP(config-if)#exit
ISP(config)#ip route 172.16.0.0 255.255.0.0 192.168.1.1
ISP(config)#write mem
ISP(config)#
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up
ISP(config)#^Z
ISP#
%SYS-5-CONFIG_I: Configured from console by console
ISP#ping 192.168.1.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.1, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 7/8/9 ms
ISP#ping 200.200.200.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 200.200.200.1, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 0/2/4 ms
Ctrl+F6 to exit CLI focus
Copy Paste
Top
```

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Step 4:

By default, how many lines are available for Telnet on the access switches?

Están libres 16 líneas en los switches de acceso.

Step 5:

Which VLAN is the default management VLAN for Ethernet? What types of traffic are carried on this VLAN?

La VLAN de administración predeterminada es la VLAN 1. El tráfico de administración normalmente incluye tráfico para administrar los switches.

También es la VLAN principal ya que todas las tramas que no tengan etiqueta serán asignadas a esta VLAN de forma automática en los encales troncales.

Step 10:

Was the Telnet successful?

No, no me aparecen el ID

Step 11:

a. Ping to the 200.200.200.1 ISP loopback interface from either host. Was this ping successful?

Si ya que los equipos tienen configurada las direcciones IP y las puertas de enlace.

b. Ping from Host A to Host B. Was this ping successful?

Si ya que los equipos están configurados correctamente con las direcciones IP

c. Telnet to the ALS2 VLAN 1 management IP address from the Engineering host. Was this Telnet successful?

Si, ya que los equipos tienen la IP correcta y los gateways