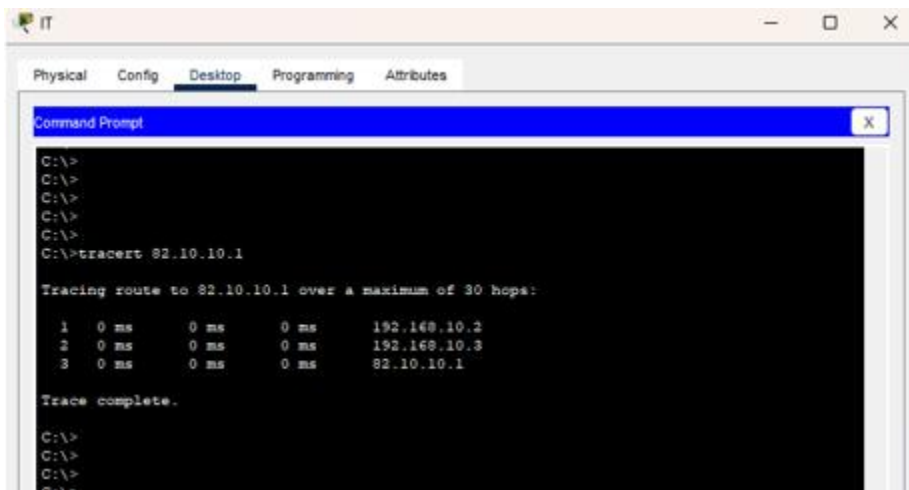


Teste de funcționare

1.Connectivity: Tracert complet de la orice host până la adresa IP externă (Internet).

IT(Vlan10)



```
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>tracert 82.10.10.1

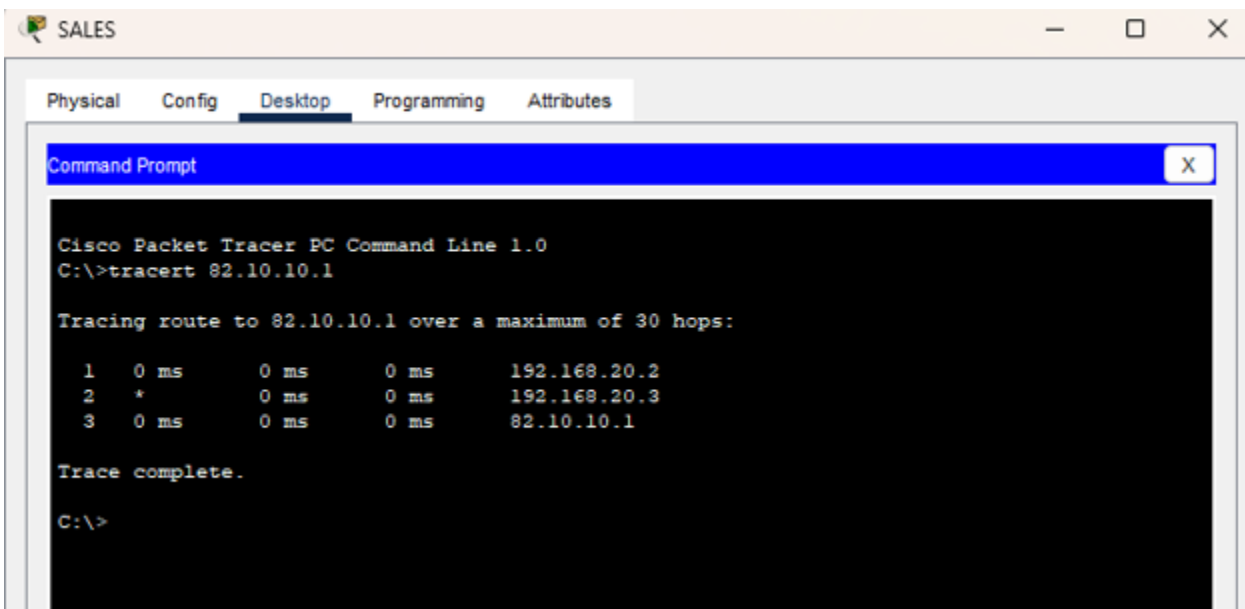
Tracing route to 82.10.10.1 over a maximum of 30 hops:

  1  0 ms    0 ms    0 ms    192.168.10.2
  2  0 ms    0 ms    0 ms    192.168.10.3
  3  0 ms    0 ms    0 ms    82.10.10.1

Trace complete.

C:\>
C:\>
C:\>
```

SALES(Vlan20)



```
SALES

Physical  Config  Desktop  Programming  Attributes

Cisco Packet Tracer PC Command Line 1.0
C:\>tracert 82.10.10.1

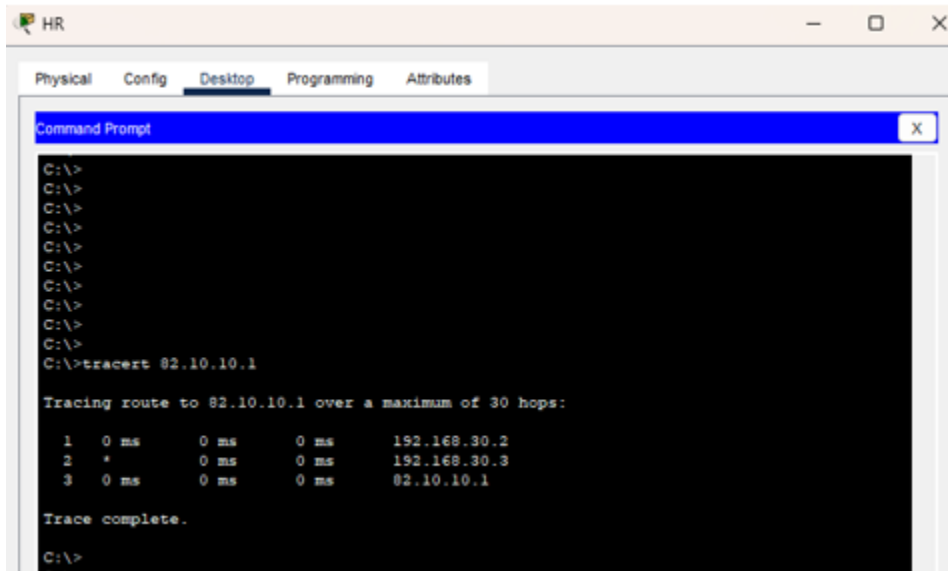
Tracing route to 82.10.10.1 over a maximum of 30 hops:

  1  0 ms    0 ms    0 ms    192.168.20.2
  2  *        0 ms    0 ms    192.168.20.3
  3  0 ms    0 ms    0 ms    82.10.10.1

Trace complete.

C:\>
```

HR(Vlan30)



The screenshot shows a Cisco Packet Tracer window for a device named 'HR'. The 'Desktop' tab is selected, displaying a 'Command Prompt' window. The user has entered the command 'tracert 82.10.10.1'. The output shows a successful trace route to 82.10.10.1 over a maximum of 30 hops. The route consists of three hops: 192.168.30.2, 192.168.30.3, and 82.10.10.1. All hops show 0 ms for each of the three probes.

```
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>tracert 82.10.10.1

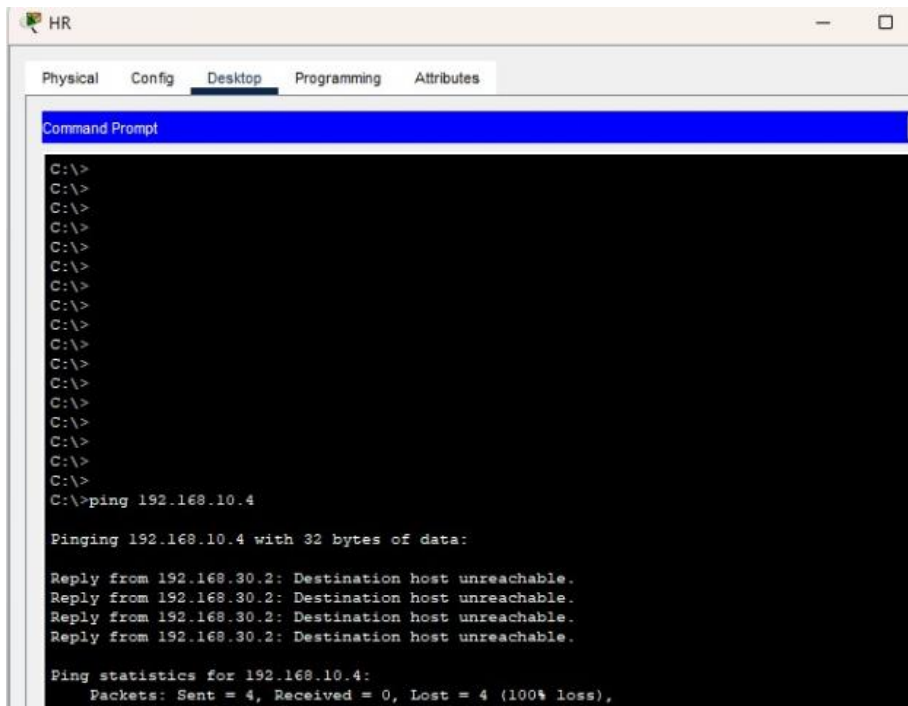
Tracing route to 82.10.10.1 over a maximum of 30 hops:

  1  0 ms    0 ms    0 ms    192.168.30.2
  2  *        0 ms    0 ms    192.168.30.3
  3  0 ms    0 ms    0 ms    82.10.10.1

Trace complete.

C:\>
```

2. Security Check: Departamentul HR nu poate accesa rețeaua IT (confirmat prin ACL logs).



The screenshot shows the same Cisco Packet Tracer window for the 'HR' device. The 'Command Prompt' window now shows the command 'ping 192.168.10.4'. The output indicates that the ping failed because the destination host is unreachable. The statistics show 4 packets sent, 0 received, and a 100% loss.

```
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>ping 192.168.10.4

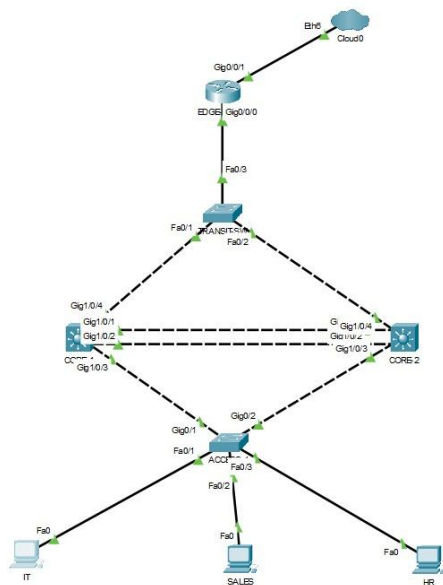
Pinging 192.168.10.4 with 32 bytes of data:

Reply from 192.168.30.2: Destination host unreachable.
Reply from 192.168.30.2: Destination host unreachable.
Reply from 192.168.30.2: Destination host unreachable.
Reply from 192.168.30.2: Destination host unreachable.

Ping statistics for 192.168.10.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

3. Failover Test: Rețeaua rămâne activă și ping-ul continuă chiar dacă unul dintre switch-urile Core este oprit.

CORE-1-----ACTIV



```
IT
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 82.10.10.1

Pinging 82.10.10.1 with 32 bytes of data:

Request timed out.
Reply from 82.10.10.1: bytes=32 time<1ms TTL=254
Reply from 82.10.10.1: bytes=32 time<1ms TTL=254
Reply from 82.10.10.1: bytes=32 time<1ms TTL=254

Ping statistics for 82.10.10.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 82.10.10.1

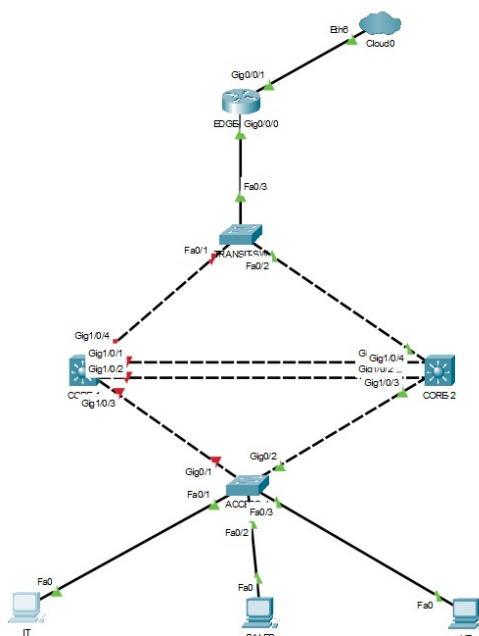
Pinging 82.10.10.1 with 32 bytes of data:

Reply from 82.10.10.1: bytes=32 time<1ms TTL=254
Reply from 82.10.10.1: bytes=32 time<1ms TTL=254
Reply from 82.10.10.1: bytes=32 time<1ms TTL=254
Reply from 82.10.10.1: bytes=32 time<1ms TTL=254

Ping statistics for 82.10.10.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

CORE-1----DEZACTIVAT



```
IT
Physical Config Desktop Programming Attributes
Command Prompt
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>ping 82.10.10.1

Pinging 82.10.10.1 with 32 bytes of data:

Reply from 82.10.10.1: bytes=32 time<1ms TTL=254
Reply from 82.10.10.1: bytes=32 time<1ms TTL=254
Reply from 82.10.10.1: bytes=32 time<1ms TTL=254
Reply from 82.10.10.1: bytes=32 time<1ms TTL=254

Ping statistics for 82.10.10.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```