

Trabajo Práctico 8

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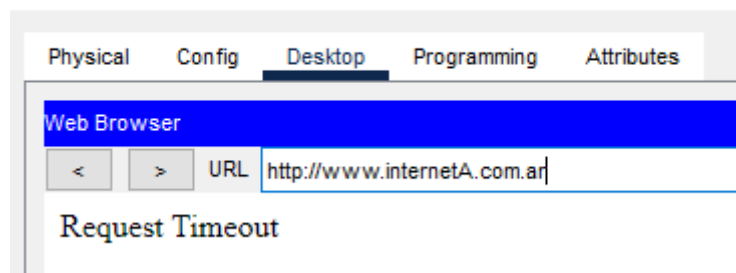
Consignas:

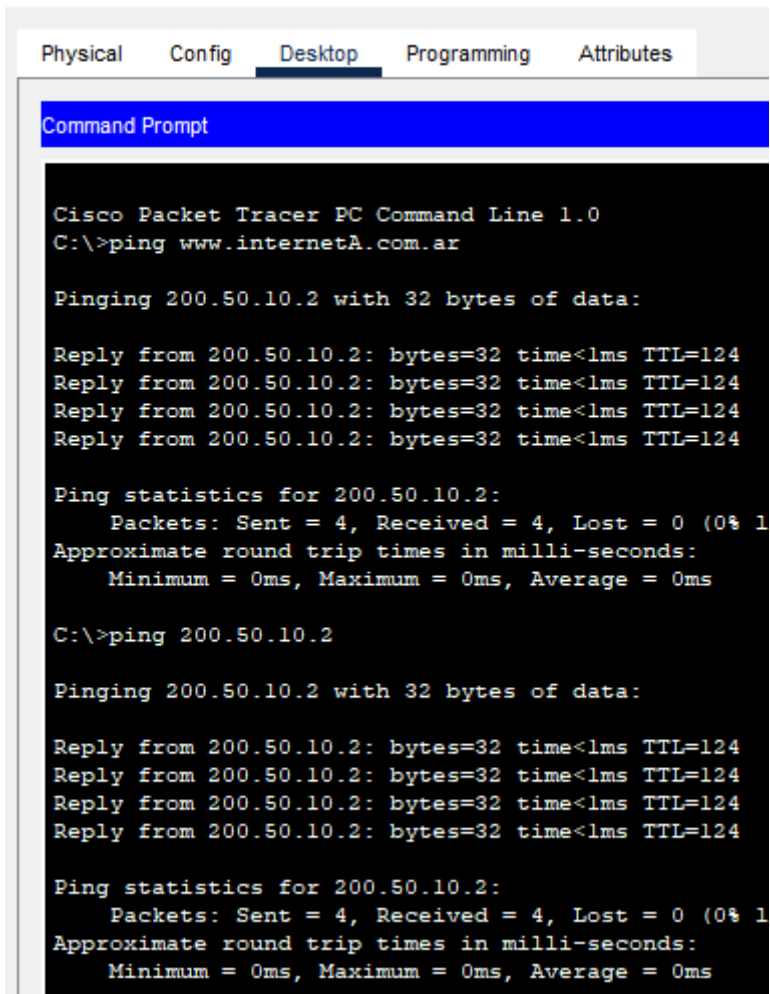
- 1)_ Configurar el nombre a cada router. (LISTO)
- 2)_ Configurar con RIP el ruteo dinámico. (LISTO)
- 3)_ Configurar un password: ADS al modo enable. (LISTO)
- 4)_ Configurar TELNET en el router de San Pablo para acceder desde otro router. (LISTO)
- 5)_ Configurar el DNS con la entrada www.internetA.com.ar IP=200.50.10.2. (LISTO)
- 6)_ Configurar las siguientes ACL:
 - Ninguna computadora de argentina puede acceder a la página hosteada en san pablo. Para esto, realizamos la configuración en el router de San Luis (in):

```
ROUTER_SAN_LUIS>ena
ROUTER_SAN_LUIS#config t
Enter configuration commands, one per line. End with CNTL/Z.
ROUTER_SAN_LUIS(config)#access-list 100 deny tcp 170.20.10.0 0.0.0.255 200.50.10.2 0.0.0.0 eq 80
ROUTER_SAN_LUIS(config)#access-list 100 permit tcp any any
ROUTER_SAN_LUIS(config)#access-list 100 permit ip any any
ROUTER_SAN_LUIS(config)#interface fastEthernet 0/0
ROUTER_SAN_LUIS(config-if)#ip access-group 100 in
ROUTER_SAN_LUIS(config-if)#exit
ROUTER_SAN_LUIS(config)#exit
ROUTER_SAN_LUIS#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
ROUTER_SAN_LUIS#
```

_ A continuación corroboramos que no se puede acceder a la URL, pero si podemos hacer ping al sitio y a la IP del servidor.

 SL1





The screenshot shows a Cisco Packet Tracer PC Command Line window with tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt window. The prompt shows the execution of two ping commands. The first command is 'ping www.internetA.com.ar', which results in four successful replies from 200.50.10.2 with 32 bytes of data, all with a time of less than 1ms and a TTL of 124. The ping statistics show 4 packets sent, 4 received, and 0 lost. The second command is 'ping 200.50.10.2', which also results in four successful replies with the same parameters and statistics.

```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping www.internetA.com.ar

Pinging 200.50.10.2 with 32 bytes of data:

Reply from 200.50.10.2: bytes=32 time<1ms TTL=124
Reply from 200.50.10.2: bytes=32 time<1ms TTL=124
Reply from 200.50.10.2: bytes=32 time<1ms TTL=124
Reply from 200.50.10.2: bytes=32 time<1ms TTL=124

Ping statistics for 200.50.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss)
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 200.50.10.2

Pinging 200.50.10.2 with 32 bytes of data:

Reply from 200.50.10.2: bytes=32 time<1ms TTL=124
Reply from 200.50.10.2: bytes=32 time<1ms TTL=124
Reply from 200.50.10.2: bytes=32 time<1ms TTL=124
Reply from 200.50.10.2: bytes=32 time<1ms TTL=124

Ping statistics for 200.50.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss)
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

```

_ Realizamos la misma configuración en el router de Misiones (in) y al comprobar sucede lo mismo.

_ Ahora, otra forma de realizar esta configuración es en el router de Cordoba (out), en la interfaz que sale del mismo hacia la red de Brasil, ahorrándonos tener que configurar en dos routers, y el resultado es el mismo (se niega el acceso a la URL pero si hay conexión de pings):

```

ROUTER_CBA>ena
Password:
ROUTER_CBA#config t
Enter configuration commands, one per line. End with CNTL/Z.
ROUTER_CBA(config)#access-list 100 deny tcp 170.20.10.0 0.0.0.255 200.50.10.2 0.0.0.0 eq 80
ROUTER_CBA(config)#access-list 100 deny tcp 170.10.10.0 0.0.0.255 200.50.10.2 0.0.0.0 eq 80
ROUTER_CBA(config)#access-list 100 permit tcp any any
ROUTER_CBA(config)#access-list 100 permit ip any any
ROUTER_CBA(config)#interface fastEthernet 1/1
ROUTER_CBA(config-if)#ip access-group 100 out
ROUTER_CBA(config-if)#exit
ROUTER_CBA(config)#exit
ROUTER_CBA#
%SYS-5-CONFIG_I: Configured from console by console

ROUTER_CBA#wr
Building configuration...
[OK]
ROUTER_CBA#

```

- Las computadoras de Chile no pueden hacer ping a ninguno de los servidores pero si pueden acceder a sus páginas web. En este caso, usamos el servidor de San Pablo. A la configuración la realizamos en el router de Chile (in):

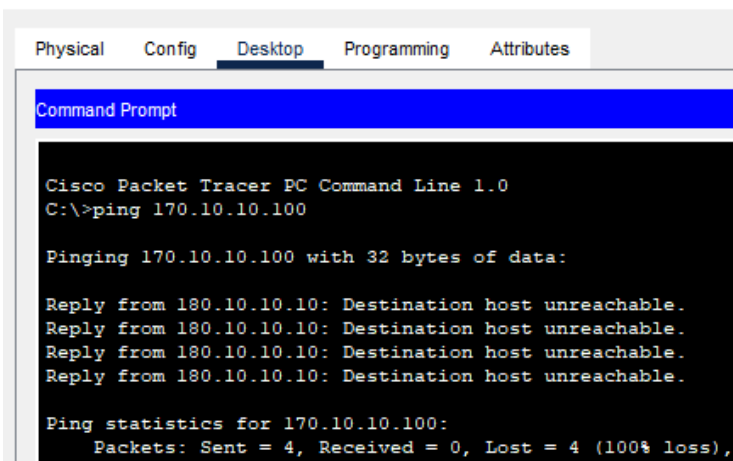
```

ROUTER_CHILE>ena
ROUTER_CHILE#config t
Enter configuration commands, one per line. End with CNTL/Z.
ROUTER_CHILE(config)#access-list 100 deny ip 180.10.10.0 0.0.0.255 170.10.10.100 0.0.0.0
ROUTER_CHILE(config)#access-list 100 permit ip any any
ROUTER_CHILE(config)#interface fastEthernet 0/0
ROUTER_CHILE(config-if)#ip access-group 100 in
ROUTER_CHILE(config-if)#exit
ROUTER_CHILE(config)#exit
ROUTER_CHILE#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
ROUTER_CHILE#

```

_ A continuación corroboramos que no se puede hacer ping desde cualquier PC de Chile, pero si podemos acceder a la URL del servidor desde cualquiera:

CH1



```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 170.10.10.100

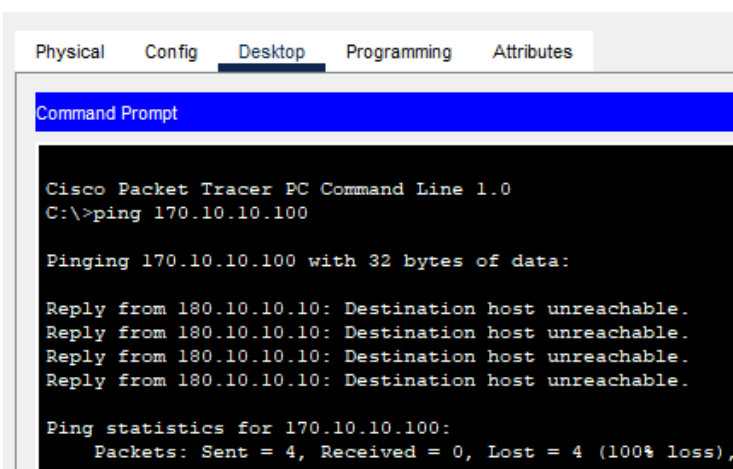
Pinging 170.10.10.100 with 32 bytes of data:

Reply from 180.10.10.10: Destination host unreachable.
Reply from 180.10.10.10: Destination host unreachable.
Reply from 180.10.10.10: Destination host unreachable.
Reply from 180.10.10.10: Destination host unreachable.

Ping statistics for 170.10.10.100:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

```

CH2



```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 170.10.10.100

Pinging 170.10.10.100 with 32 bytes of data:

Reply from 180.10.10.10: Destination host unreachable.
Reply from 180.10.10.10: Destination host unreachable.
Reply from 180.10.10.10: Destination host unreachable.
Reply from 180.10.10.10: Destination host unreachable.

Ping statistics for 170.10.10.100:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

```

