ACTIVIDAD 5.4.13. CONFIGURACIÓN DE LISTAS ACL IPV4 EXTENDIDAS

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- I.I. Objetivo
- I.2. Alcance
- 1.3. Descripción técnica de la solución
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I. ANTECEDENTES

- I.I. Objetivos
- Parte 1: Configure una ACL extendida con nombre
- Parte 2: Aplique y verifique la ACL extendida

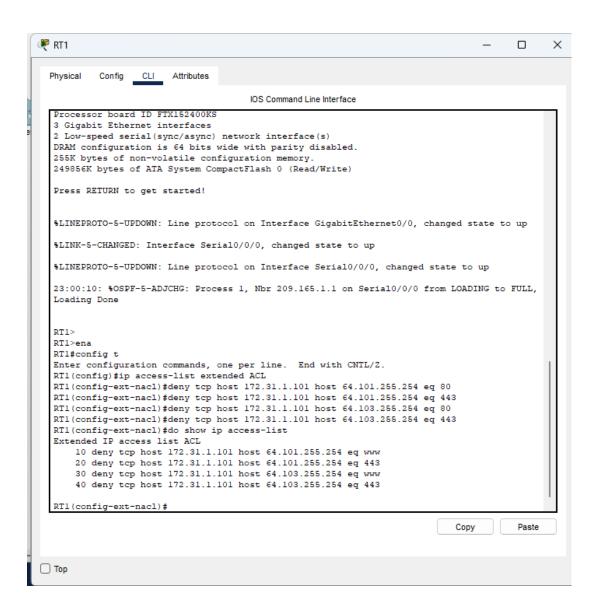
I.2. Alcance

• En este escenario, se permiten dispositivos específicos en la LAN a varios servicios en servidores ubicados en Internet.

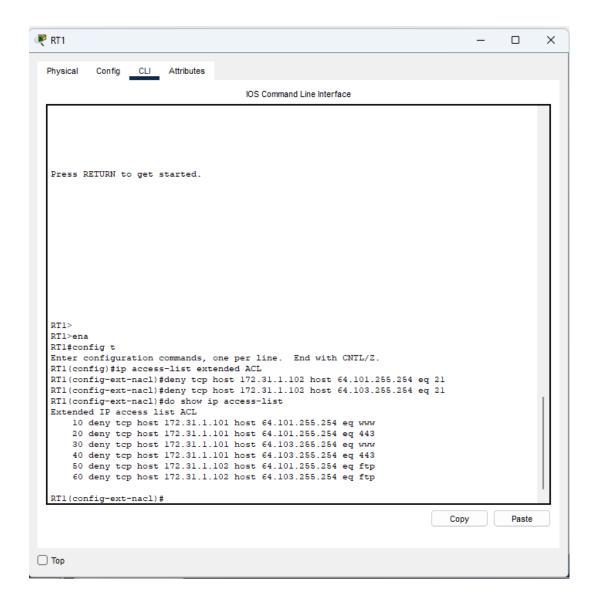
2. DESCRIPCIÓN TÉCNICA DE LA SOLUCIÓN

Part 1: Configure a Named Extended ACL

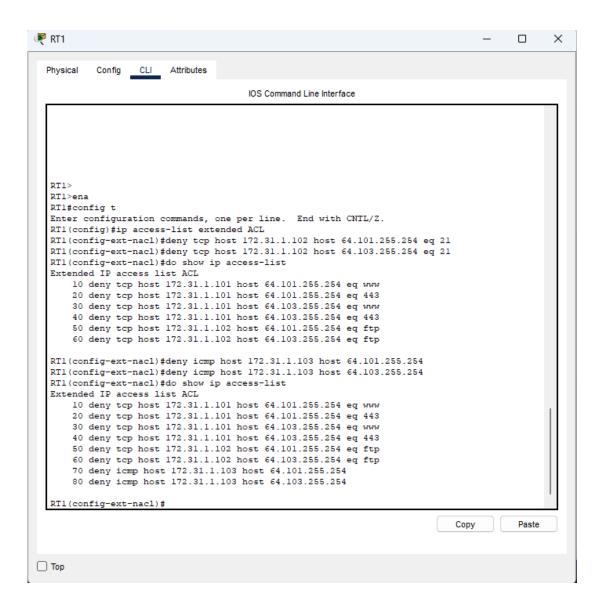
PASO I: DENEGAR A LA PCI EL ACCESO A LOS SERVICIOS HTTP Y HTTPS EN EL SERVIDORI Y EL SERVIDOR2.



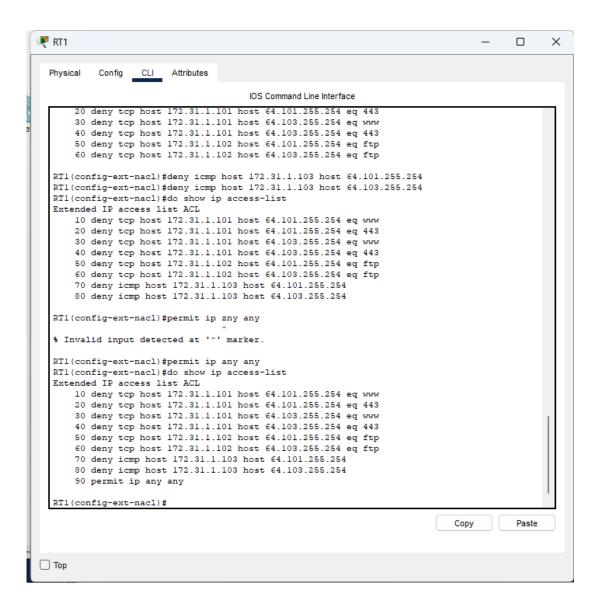
PASO 2: DENEGAR A
LA PC2 EL ACCESO
A LOS SERVICIOS
FTP EN EL
SERVIDORI Y EL
SERVIDOR2.



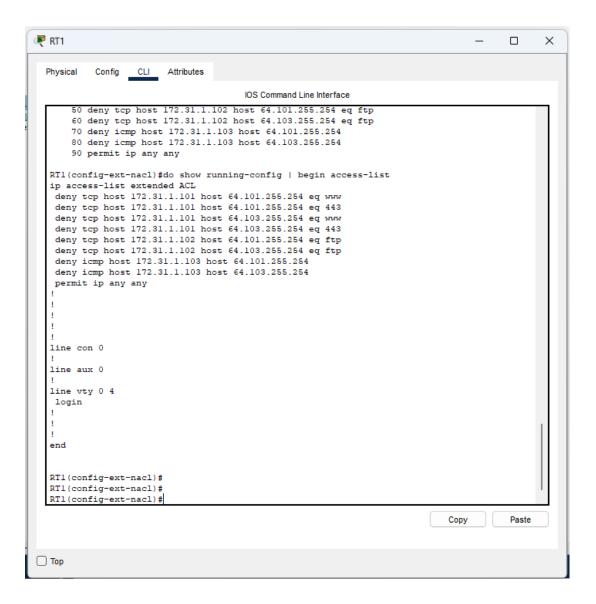
PASO 3: DENEGAR A LA PC3 QUE HAGA PING A SERVIDORI AL SERVIDOR2.



PASO 4: PERMITIR EL RESTO DEL TRÁFICO IP.



PASO 5: VERIFIQUE LA CONFIGURACIÓN DE LA LISTA DE ACCESO ANTES DE APLICARLA A UNA INTERFAZ.



2. DESCRIPCIÓN TÉCNICA DE LA SOLUCIÓN

Parte 2: Aplicar y verificar la ACL Extendida

```
₱ PC1

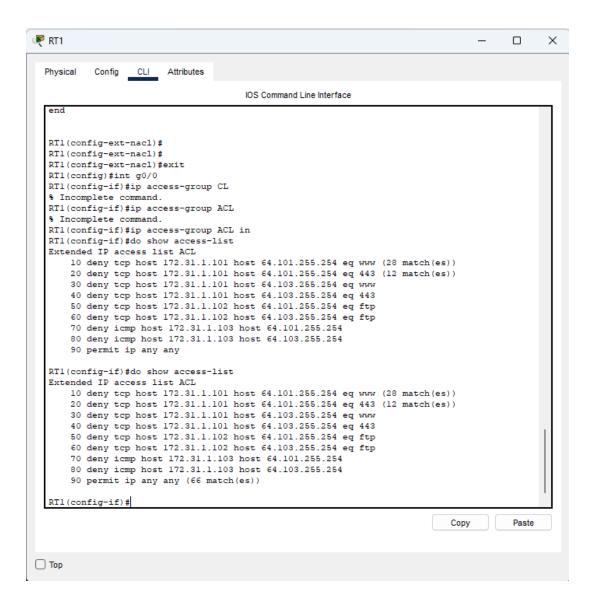
                                                                                         - 🗆 X
  Physical Config Desktop Programming Attributes
     ommand Prompt
     onnected to 64.101.255.254
    220- Welcome to PT Ftp server
    Jsername:cisco
    331- Username ok, need password
    Password:
   230- Logged in
    (passive mode On)
    ftp>quit
    221- Service closing control connection.
    C:\>ping 64.101.255.254
    Pinging 64.101.255.254 with 32 bytes of data:
   Reply from 64.101.255.254: bytes=32 time=12ms TTL=126
    Reply from 64.101.255.254: bytes=32 time=2ms TTL=126
   Reply from 64.101.255.254: bytes=32 time=29ms TTL=126
Reply from 64.101.255.254: bytes=32 time=28ms TTL=126
    Ping statistics for 64.101.255.254:
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 29ms, Average = 17ms
     :\>ping 64.103.255.254
    Pinging 64.103.255.254 with 32 bytes of data:
    Reply from 64.103.255.254: bytes=32 time=28ms TTL=126
   Reply from 64.103.255.254: bytes=32 time=29ms TTL=126
Reply from 64.103.255.254: bytes=32 time=29ms TTL=126
     Ping statistics for 64.103.255.254:
       Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
     approximate round trip times in milli-seconds:
        Minimum = 28ms, Maximum = 29ms, Average = 28ms
□ Тор
```

```
₱ PC3

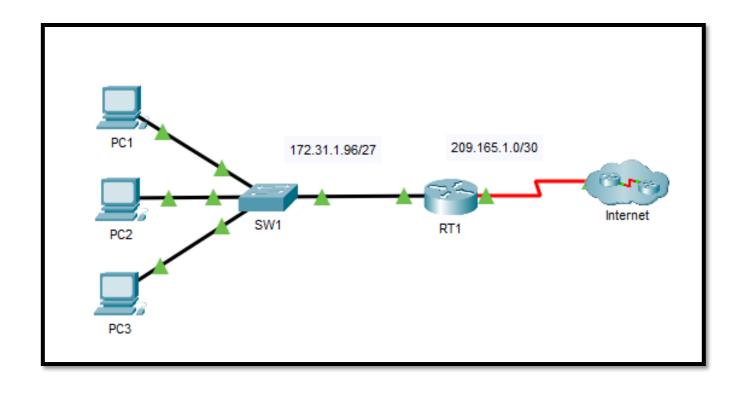
                                                                                              - 🗆 X
   Physical Config Desktop Programming Attributes
    Cisco Packet Tracer PC Command Line 1.0
    C:\>ftp 34.103.255.254
   Trying to connect...34.103.255.254
     :\>ftp 64.101.255.254
   Trying to connect...64.101.255.254
     onnected to 64.101.255.254
     20- Welcome to PT Ftp server
    Jsername:cisco
    331- Username ok. need password
    Password:
    230- Logged in
    (passive mode On)
    221- Service closing control connection
      \>ping 34.103.25<u>5.254</u>
   Pinging 34.103.255.254 with 32 bytes of data:
    Reply from 172.31.1.126: Destination host unreachable
   Reply from 172.31.1.126: Destination host unreachable.
Reply from 172.31.1.126: Destination host unreachable.
Reply from 172.31.1.126: Destination host unreachable.
     ing statistics for 34.103.255.254:
        Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
□ Тор
```

PASO I: APLICAR LA ACL A LA INTERFAZ APROPIADA EN EL SENTIDO CORRECTO.

PASO 2: PRUEBA EL ACCESO PARA CADA PC.



3.ESQUEMA GENERAL



4.SCRIPT CTC

Dispositivo	Interfaz	Dirección IP	Máscara de subred	Puerta de enlace predeterminada
RT1	G0/0	172.31.1.126	255.255.255.224	N/D
	S0/0/0	209.165.1.2	255.255.255.252	
PC1	NIC	172.31.1.101	255.255.255.224	172.31.1.126
PC2	NIC	172.31.1.102	255.255.255.224	172.31.1.126
PC3	NIC	172.31.1.103	255.255.255.224	172.31.1.126
Servidor1	NIC	64.101.255.254		
Servidor2	NIC	64.103.255.254		

5. PRUEBAS

