UNIVERSIDAD RAFAEL LANDÍVAR

FACULTAD DE INGENIERÍA REDES II

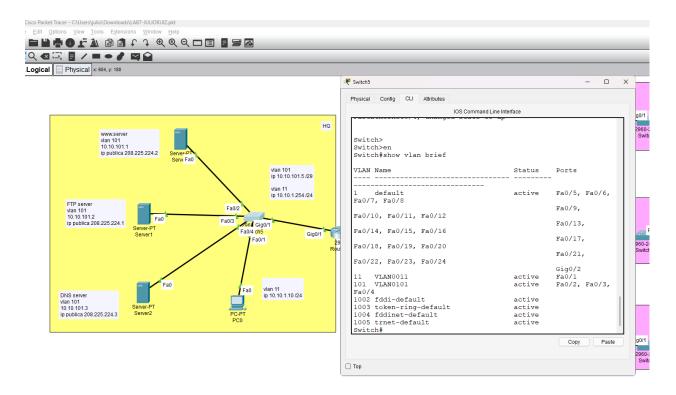
SECCIÓN 1 VESPERTINA

MGTR. DENNIS JAVIER DONIS DE LEÓN

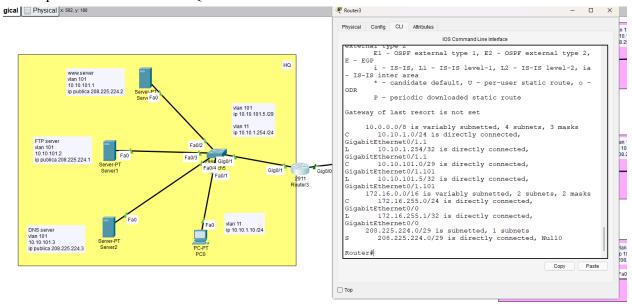
LABORATORIO NO. 7

Julio Anthony Engels Ruiz Coto 1284719

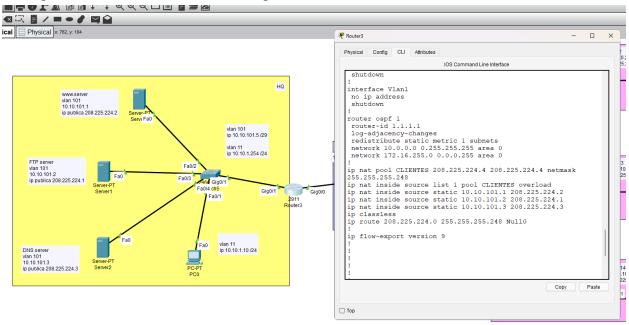
Configuración de las vlans en switch HQ:



Show ip route del router de HQ:



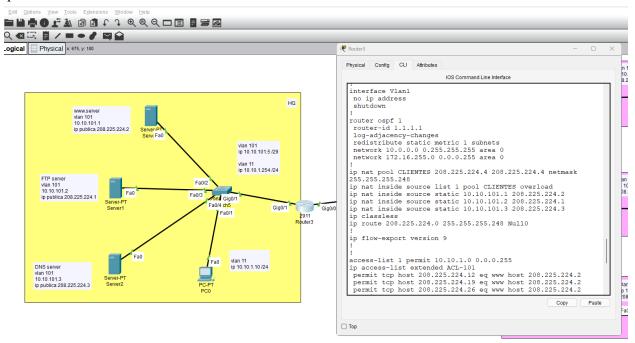
nat, ospf, habilitación del router ID configurado en router HQ:



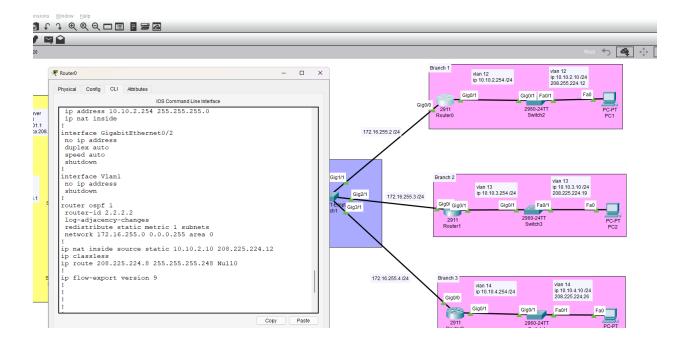
Configuración de las ACLs:

```
Router3
 Physical
        Config
               CLI
                   Attributes
                           IOS Command Line Interface
  ip nat pool CLIENTES 208.225.224.4 208.225.224.4 netmask
  255.255.255.248
  ip nat inside source list 1 pool CLIENTES overload
  ip nat inside source static 10.10.101.1 208.225.224.2
  ip nat inside source static 10.10.101.2 208.225.224.1
  ip nat inside source static 10.10.101.3 208.225.224.3
  ip classless
  ip route 208.225.224.0 255.255.255.248 Null0
  ip flow-export version 9
  access-list 100 permit tcp any host 208.225.224.2 eq www
  access-list 100 permit tcp any host 208.225.224.1 eq ftp
  access-list 100 permit udp any host 208.225.224.3 eq domain
  access-list 100 permit udp host 208.225.224.3 eq domain any
  access-list 100 permit ospf any any
  access-list 100 deny ip any any
```

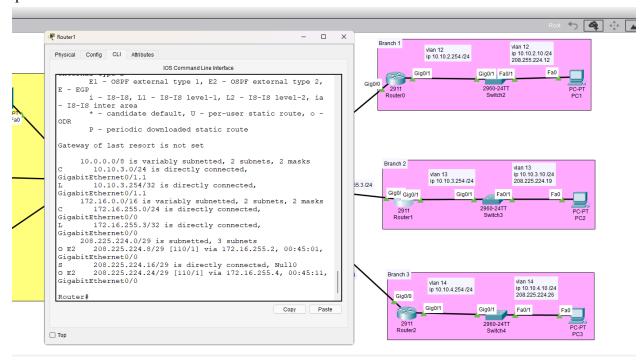
Ip route del router de la branch 1:



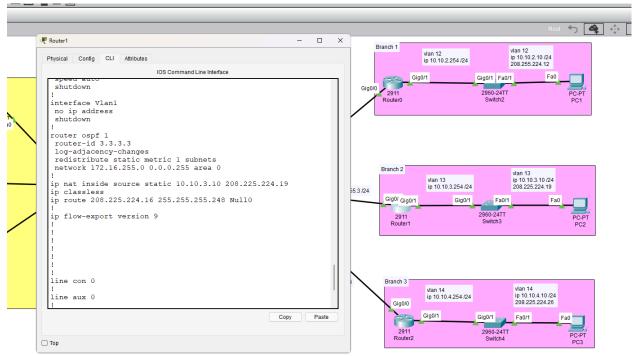
nat, ospf, habilitación del router ID configurado en router de la branch 1:



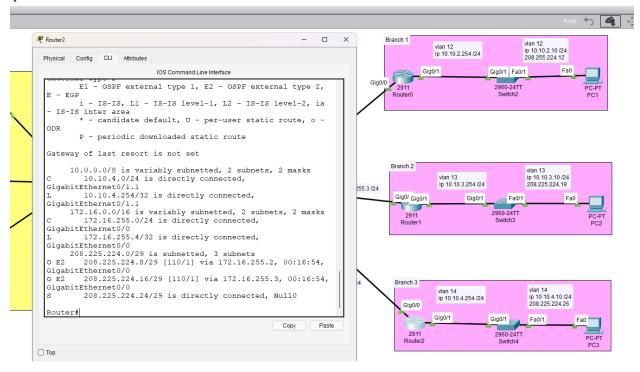
Ip route del router de la branch 2:



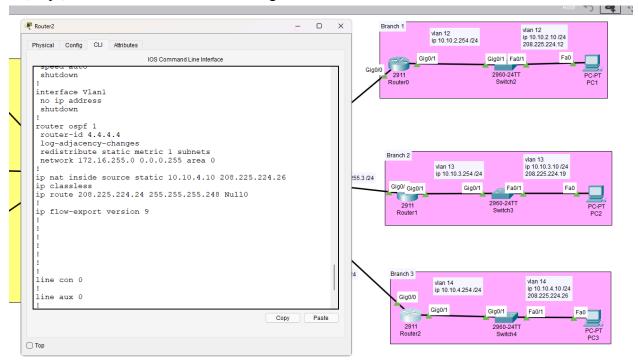
nat, ospf, habilitación del router ID configurado en router de la branch 2:



Ip route del router de la branch 3:



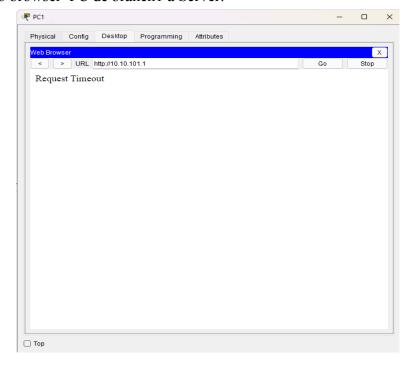
nat, ospf, habilitación del router ID configurado en router de la branch 3:



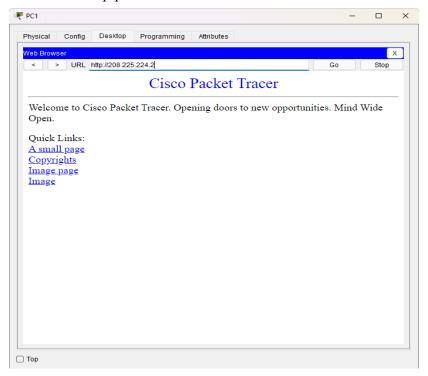
Prueba de ping de PC de branch1 a Server:

```
₹ PC1
                                                                                                           X
  Physical Config Desktop Programming Attributes
    command Prompt
                                                                                                               Х
   Cisco Packet Tracer PC Command Line 1.0
  C:\>ping 10.10.101.1
   Pinging 10.10.101.1 with 32 bytes of data:
  Reply from 172.16.255.1: Destination host unreachable. Reply from 172.16.255.1: Destination host unreachable. Reply from 172.16.255.1: Destination host unreachable. Reply from 172.16.255.1: Destination host unreachable.
  Ping statistics for 10.10.101.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
   C:\>ping 208.225.224.2
   Pinging 208.225.224.2 with 32 bytes of data:
  Reply from 172.16.255.1: Destination host unreachable. Reply from 172.16.255.1: Destination host unreachable. Reply from 172.16.255.1: Destination host unreachable. Reply from 172.16.255.1: Destination host unreachable.
   Ping statistics for 208.225.224.2:
          Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
   C:\>
```

Prueba en el web browser PC de branch1 a Server:



Prueba en el web browser con ip publica PC de branch1 a Server:



Prueba de ftp con ip privada de la branch 2 :

```
Physical Config Desktop Programming Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ftp 10.10.101.2
Trying to connect...10.10.101.2

%Error opening ftp://10.10.101.2/ (Timed out)
.

(Disconnecting from ftp server)
```

prueba de ftp con ip pública de la branch 2:

```
Physical Config Desktop Programming Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ftp 10.10.101.2
Trying to connect...10.10.101.2

%Error opening ftp://10.10.101.2/ (Timed out)
.

(Disconnecting from ftp server)

C:\>ftp 208.225.224.1
Trying to connect...208.225.224.1
Connected to 208.225.224.1
220- Welcome to PT Ftp server
Username:
```

prueba de dns:

```
₹ PC3
                                                                        X
                Desktop Programming
 Physical Config
                                    Attributes
 Command Prompt
                                                                           Х
  Cisco Packet Tracer PC Command Line 1.0
  C:\>ping google.com
  Pinging 8.8.8.8 with 32 bytes of data:
  Reply from 10.10.4.254: Destination host unreachable.
  Reply from 10.10.4.254: Destination host unreachable.
  Reply from 10.10.4.254: Destination host unreachable. Reply from 10.10.4.254: Destination host unreachable.
  Ping statistics for 8.8.8.8:
       Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>
```