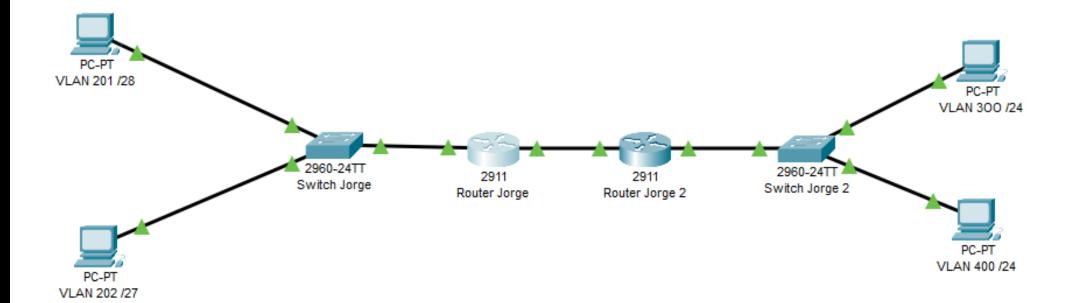
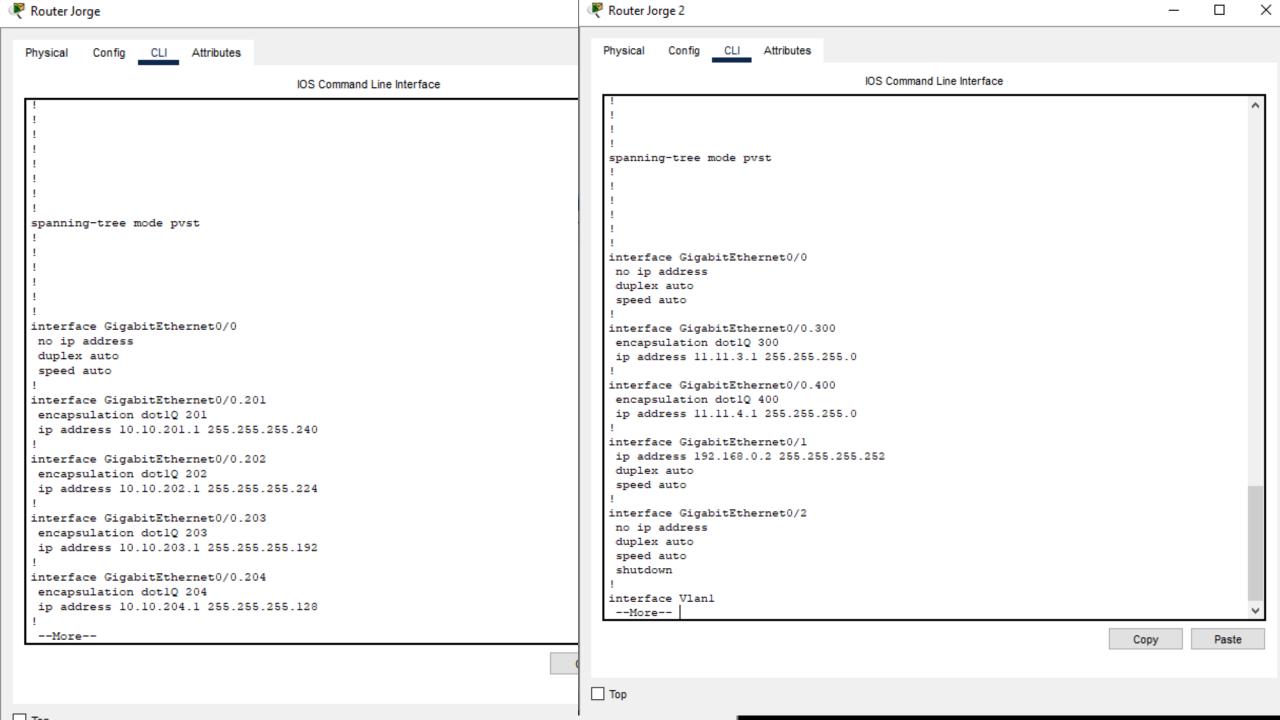
## Laboratorio 5

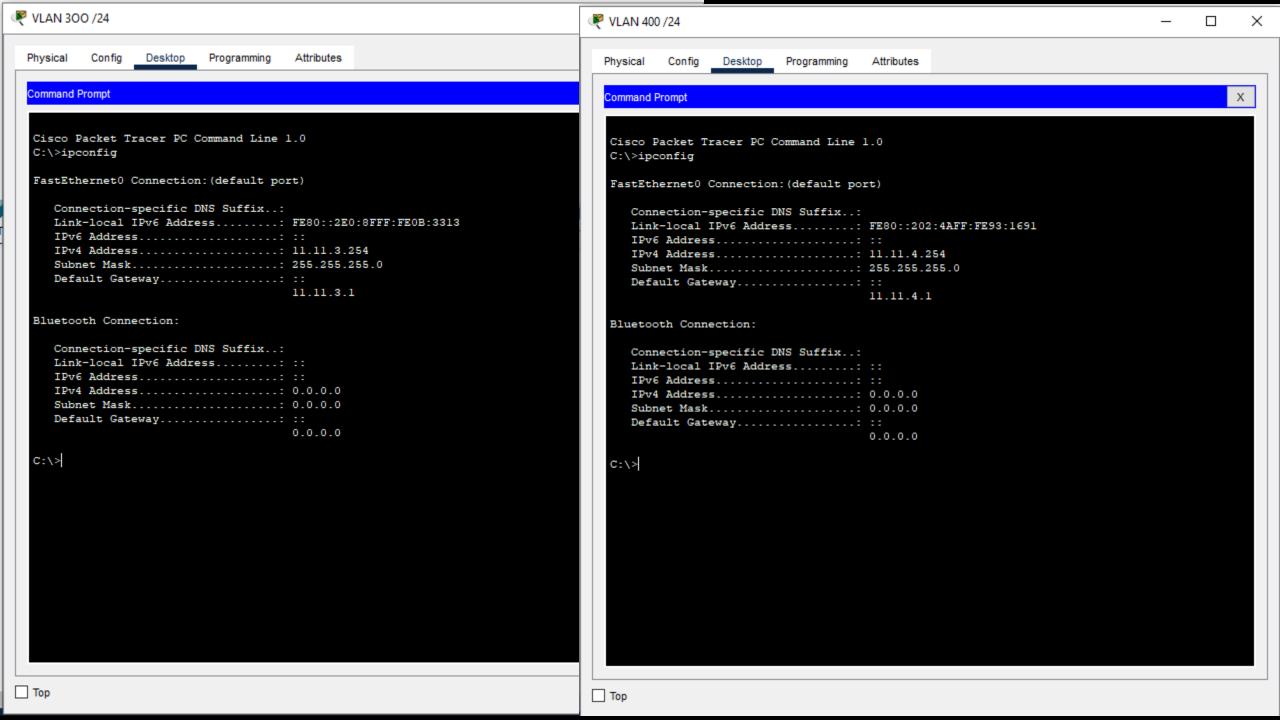
Jorge Parra Hidalgo ITIT 13104





X

Physical Config Desktop Programming Attributes Command Prompt Cisco Packet Tracer PC Command Line 1.0 C:\>ipconfig FastEthernet0 Connection: (default port) Connection-specific DNS Suffix..: Link-local IPv6 Address..... FE80::2D0:BAFF:FE9B:4CE6 IPv6 Address....: :: IPv4 Address..... 10.10.202.30 Subnet Mask..... 255.255.255.224 Default Gateway....: :: 10.10.202.1 Bluetooth Connection: Connection-specific DNS Suffix..: Link-local IPv6 Address....: :: IPv6 Address....: :: IPv4 Address..... 0.0.0.0 Subnet Mask ..... 0.0.0.0 Default Gateway....: :: 0.0.0.0 C:\> Тор



```
Physical
         Config
                       Attributes
                                                                                                  Config
                                                                                                         CLI
                                                                                                                Attributes
               CLI
                                                                                         Physical
                                     IOS Command Line Interface
                                                                                                                              IOS Command Line Interface
                                                                                          Router#
Router#show i
                                                                                          Router#
Router#show ip rou
                                                                                          Router#
Router#show ip route
                                                                                          Router#show ip ro
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
                                                                                          Router#show ip route
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
                                                                                          Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
                                                                                                 D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
                                                                                                N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
                                                                                                E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       * - candidate default, U - per-user static route, o - ODR
                                                                                                i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       P - periodic downloaded static route
                                                                                                 * - candidate default, U - per-user static route, o - ODR
                                                                                                 P - periodic downloaded static route
Gateway of last resort is not set
                                                                                          Gateway of last resort is not set
     10.0.0.0/8 is variably subnetted, 12 subnets, 7 masks
        10.10.201.0/28 is directly connected, GigabitEthernet0/0.201
                                                                                               10.0.0.0/8 is variably subnetted, 6 subnets, 6 masks
        10.10.201.1/32 is directly connected, GigabitEthernet0/0.201
                                                                                                  10.10.201.0/28 [1/0] via 192.168.0.1
        10.10.202.0/27 is directly connected. GigabitEthernet0/0.202
                                                                                          s
                                                                                                  10.10.202.0/27 [1/0] via 192.168.0.1
        10.10.202.1/32 is directly connected, GigabitEthernet0/0.202
                                                                                                  10.10.203.0/26 [1/0] via 192.168.0.1
        10.10.203.0/26 is directly connected, GigabitEthernet0/0.203
                                                                                                  10.10.204.0/25 [1/0] via 192.168.0.1
        10.10.203.1/32 is directly connected, GigabitEthernet0/0.203
                                                                                                  10.10.206.0/23 [1/0] via 192.168.0.1
C
        10.10.204.0/25 is directly connected, GigabitEthernet0/0.204
                                                                                                  10.10.208.0/21 [1/0] via 192.168.0.1
        10.10.204.1/32 is directly connected, GigabitEthernet0/0.204
                                                                                               11.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
        10.10.206.0/23 is directly connected, GigabitEthernet0/0.206
                                                                                                  11.11.3.0/24 is directly connected, GigabitEthernet0/0.300
        10.10.206.1/32 is directly connected, GigabitEthernet0/0.206
                                                                                                  11.11.3.1/32 is directly connected, GigabitEthernet0/0.300
С
        10.10.208.0/21 is directly connected, GigabitEthernet0/0.208
                                                                                                  11.11.4.0/24 is directly connected, GigabitEthernet0/0.400
        10.10.208.1/32 is directly connected, GigabitEthernet0/0.208
                                                                                                  11.11.4.1/32 is directly connected, GigabitEthernet0/0.400
     11.0.0.0/24 is subnetted, 2 subnets
                                                                                               192.168.0.0/24 is variably subnetted, 2 subnets, 2 masks
        11.11.3.0/24 [1/0] via 192.168.0.2
                                                                                                 192.168.0.0/30 is directly connected, GigabitEthernet0/1
        11.11.4.0/24 [1/0] via 192.168.0.2
                                                                                                  192.168.0.2/32 is directly connected, GigabitEthernet0/1
     192.168.0.0/24 is variably subnetted, 2 subnets, 2 masks
С
        192.168.0.0/30 is directly connected, GigabitEthernet0/1
                                                                                          Router#
        192.168.0.1/32 is directly connected, GigabitEthernet0/1
                                                                                          Router#
                                                                                          Router#
Router#
                                                                                          Router#
Router#
                                                                                          Router#
Router#
                                                                                          Router#
Router#
                                                                                                                                                                    Copy
                                                                                                                                                                               Paste
                                                                            Copy
                                                                                       Top
```

Router Jorge 2

Router Jorge

Top

4. Imagen de Ping NO exitoso de PC 300 y 400 a PC 201 y 202, Tambien de Router 300 y 400 a Router 201, (2 reactivos)

nota: ya habia hecho todo antes de tomar captura por lo que el ping si me aparece como exitoso x) Physical

Config

## IOS Command Line Interface

```
Router#show ip rou
Router#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
      N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
      E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
      i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
Gateway of last resort is not set
     10.0.0.0/8 is variably subnetted, 12 subnets, 7 masks
        10.10.201.0/28 is directly connected, GigabitEthernet0/0.201
        10.10.201.1/32 is directly connected, GigabitEthernet0/0.201
        10.10.202.0/27 is directly connected, GigabitEthernet0/0.202
        10.10.202.1/32 is directly connected, GigabitEthernet0/0.202
        10.10.203.0/26 is directly connected, GigabitEthernet0/0.203
        10.10.203.1/32 is directly connected, GigabitEthernet0/0.203
        10.10.204.0/25 is directly connected, GigabitEthernet0/0.204
        10.10.204.1/32 is directly connected, GigabitEthernet0/0.204
        10.10.206.0/23 is directly connected, GigabitEthernet0/0.206
        10.10.206.1/32 is directly connected, GigabitEthernet0/0.206
        10.10.208.0/21 is directly connected, GigabitEthernet0/0.208
        10.10.208.1/32 is directly connected, GigabitEthernet0/0.208
     11.0.0.0/24 is subnetted, 2 subnets
        11.11.3.0/24 [1/0] via 192.168.0.2
        11.11.4.0/24 [1/0] via 192.168.0.2
     192.168.0.0/24 is variably subnetted, 2 subnets, 2 masks
        192.168.0.0/30 is directly connected, GigabitEthernet0/1
        192.168.0.1/32 is directly connected, GigabitEthernet0/1
Router#
Router#
Router#
Router#
```

Copy

Attributes

CLI

## IOS Command Line Interface

```
Router#
Router#
Router#
Router#show ip ro
Router#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
      N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
Gateway of last resort is not set
    10.0.0.0/8 is variably subnetted, 6 subnets, 6 masks
        10.10.201.0/28 [1/0] via 192.168.0.1
        10.10.202.0/27 [1/0] via 192.168.0.1
        10.10.203.0/26 [1/0] via 192.168.0.1
        10.10.204.0/25 [1/0] via 192.168.0.1
        10.10.206.0/23 [1/0] via 192.168.0.1
        10.10.208.0/21 [1/0] via 192.168.0.1
    11.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
        11.11.3.0/24 is directly connected, GigabitEthernet0/0.300
        11.11.3.1/32 is directly connected, GigabitEthernet0/0.300
        11.11.4.0/24 is directly connected, GigabitEthernet0/0.400
        11.11.4.1/32 is directly connected, GigabitEthernet0/0.400
    192.168.0.0/24 is variably subnetted, 2 subnets, 2 masks
        192.168.0.0/30 is directly connected, GigabitEthernet0/1
        192.168.0.2/32 is directly connected. GigabitEthernet0/1
Router#
Router#
Router#
Router#
Router#
Router#
```

Past

Тор

C:\>

 ♥ VLAN 400 /24
 —
 —

```
Attributes
Physical
                      Programming
              Desktop
 ommand Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig
FastEthernet0 Connection: (default port)
   Connection-specific DNS Suffix..:
   Link-local IPv6 Address..... FE80::202:4AFF:FE93:1691
   IPv6 Address....: ::
   IPv4 Address...... 11.11.4.254
   Subnet Mask..... 255.255.255.0
   Default Gateway....: ::
                                 11.11.4.1
Bluetooth Connection:
   Connection-specific DNS Suffix..:
   Link-local IPv6 Address....: ::
   IPv6 Address....::::
   IPv4 Address..... 0.0.0.0
   Subnet Mask..... 0.0.0.0
   Default Gateway....: ::
                                 0.0.0.0
C:\>ping 10.10.201.14
Pinging 10.10.201.14 with 32 bytes of data:
Reply from 10.10.201.14: bytes=32 time<1ms TTL=126
Ping statistics for 10.10.201.14:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

Top

```
Pinging 10.10.202.30 with 32 bytes of data:
  Request timed out.
  Reply from 10.10.202.30: bytes=32 time<1ms TTL=126
  Reply from 10.10.202.30: bytes=32 time<1ms TTL=126
  Reply from 10.10.202.30: bytes=32 time=1ms TTL=126
  Ping statistics for 10.10.202.30:
      Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
  Approximate round trip times in milli-seconds:
      Minimum = 0ms, Maximum = 1ms, Average = 0ms
  C:\>ping 10.10.202.30
  Pinging 10.10.202.30 with 32 bytes of data:
  Reply from 10.10.202.30: bytes=32 time<1ms TTL=126
  Reply from 10.10.202.30: bytes=32 time=3ms TTL=126
  Reply from 10.10.202.30: bytes=32 time<1ms TTL=126
  Reply from 10.10.202.30: bytes=32 time<1ms TTL=126
  Ping statistics for 10.10.202.30:
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
      Minimum = 0ms, Maximum = 3ms, Average = 0ms
Top
```

VLAN 400 /24 × Desktop Attributes Physical Config Programming Command Prompt Bluetooth Connection: Connection-specific DNS Suffix..: Link-local IPv6 Address....: :: IPv6 Address....:::: IPv4 Address..... 0.0.0.0 Subnet Mask....: 0.0.0.0 Default Gateway....: :: 0.0.0.0 C:\>ping 10.10.201.14 Pinging 10.10.201.14 with 32 bytes of data: Reply from 10.10.201.14: bytes=32 time<1ms TTL=126 Ping statistics for 10.10.201.14: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 0ms, Average = 0ms C:\>ping 10.10.202.30 Pinging 10.10.202.30 with 32 bytes of data: Reply from 10.10.202.30: bytes=32 time<1ms TTL=126 Reply from 10.10.202.30: bytes=32 time<1ms TTL=126 Reply from 10.10.202.30: bytes=32 time<1ms TTL=126 Reply from 10.10.202.30: bytes=32 time=9ms TTL=126 Ping statistics for 10.10.202.30: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 9ms, Average = 2ms C:\> Top

