

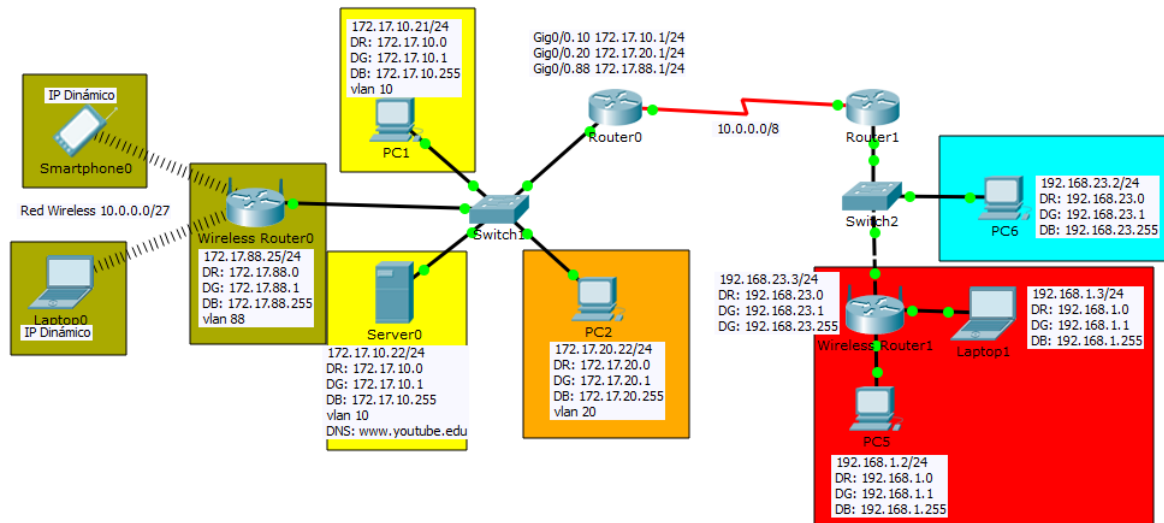


**Nombre:** Quisbert Mújica Albert Jhonatan

**CI:** 9065168

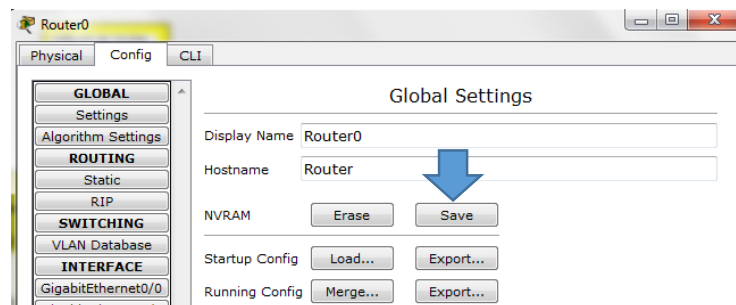
**Fecha:** 14/03/2020

## MÓDULO 4 – TAREA 2

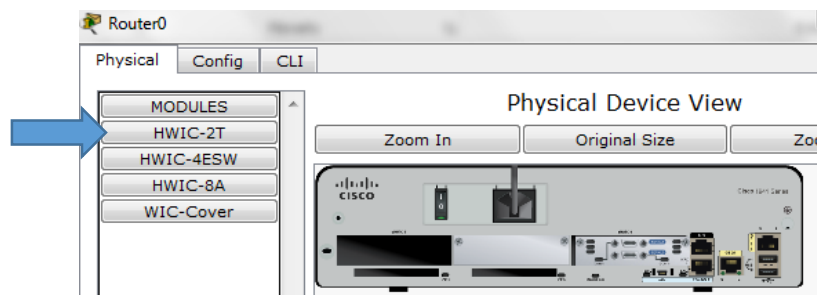


- **EXPLICAR LAS MODIFICACIONES QUE SE HIZO EN LOS ROUTERS PARA EN ENRUTAMIENTO CON OSPF.**

Debemos agregar una nueva interfaz al Router, pero antes de hacer eso se debe guardar la información de la configuración:



Apagamos y agregamos la nueva interfaz al router:



Ahora se procederá a configurar las interfaces de ambos routers:

### Router 0

```
Router(config)#interface Serial0/0/0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
```

### Router 1

```
Router(config)#interface Serial0/0/0
Router(config-if)#ip address 10.0.0.2 255.0.0.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up
```

```
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip address 192.168.23.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
```

Luego se procede con el enrutamiento por OSPF especificando incluso las VLANs:

### Router 0

```
Router>en
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#route ospf 1
Router(config-router)#net 172.17.10.0 0.0.0.255 area 10
Router(config-router)#net 172.17.20.0 0.0.0.255 area 10
Router(config-router)#net 172.17.88.0 0.0.0.255 area 10
Router(config-router)#net 10.0.0.0 0.255.255.255 area 10
Router(config-router)#exit
Router(config)#
```

### Router 1

```
Router>en
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#route ospf
% Incomplete command.
Router(config)#route ospf 1
Router(config-router)#net 192.168.23.0 0.0.0.255 area 10
Router(config-router)#net 10.0.0.0 0.255.255.255 area 10
Router(config-router)#exit
```

- **CONECTIVIDAD ENTRE LA PC5 Y PC6.**

PC5

Physical Config Desktop Custom Interface

### Command Prompt

```

Packet Tracer PC Command Line 1.0
PC>ping 192.168.23.2

Pinging 192.168.23.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.23.2: bytes=32 time=1ms TTL=127
Reply from 192.168.23.2: bytes=32 time=0ms TTL=127
Reply from 192.168.23.2: bytes=32 time=0ms TTL=127

Ping statistics for 192.168.23.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

```

Fire	Last Status	Source	Destination	Type	Color
	Successful	PC5	PC6	ICMP	

- CONECTIVIDAD ENTRE LA LAPTOP Y PC6.

Laptop1

Physical Config Desktop Custom Interface

### Command Prompt

```

Packet Tracer PC Command Line 1.0
Laptop1>ping 192.168.23.2

Pinging 192.168.23.2 with 32 bytes of data:

Reply from 192.168.23.2: bytes=32 time=1ms TTL=127
Reply from 192.168.23.2: bytes=32 time=0ms TTL=127
Reply from 192.168.23.2: bytes=32 time=8ms TTL=127
Reply from 192.168.23.2: bytes=32 time=0ms TTL=127

Ping statistics for 192.168.23.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 8ms, Average = 2ms

```

Fire	Last Status	Source	Destination	Type	Color
	Successful	Laptop1	PC6	ICMP	

- CONECTIVIDAD ENTRE LA PC6 Y PC1.

PC6

Physical Config Desktop Custom Interface

### Command Prompt

```

Packet Tracer PC Command Line 1.0
PC6>ping 172.17.10.21

Pinging 172.17.10.21 with 32 bytes of data:

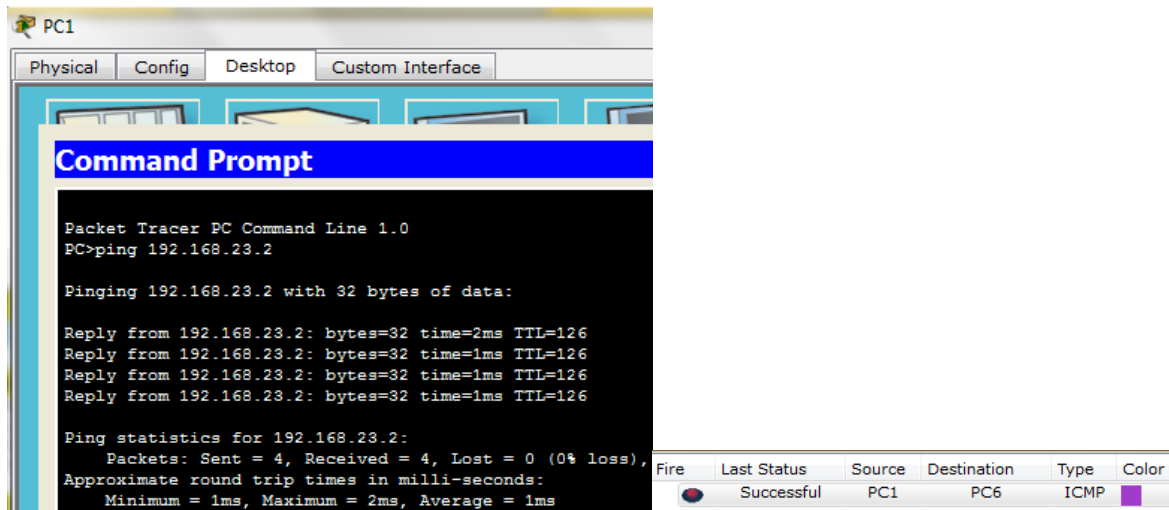
Reply from 172.17.10.21: bytes=32 time=1ms TTL=126
Reply from 172.17.10.21: bytes=32 time=2ms TTL=126
Reply from 172.17.10.21: bytes=32 time=11ms TTL=126
Reply from 172.17.10.21: bytes=32 time=1ms TTL=126

Ping statistics for 172.17.10.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 11ms, Average = 3ms

```

Fire	Last Status	Source	Destination	Type	Color
	Successful	PC6	PC1	ICMP	

- CONECTIVIDAD ENTRE PC1 Y PC6.



- TODOS LOS HOSTS PUEDAN VER EL HTML DEL SERVIDOR YOUTUBE.COM.

