

Universidad de San Carlos de Guatemala

Facultad de Ingeniería

Escuela de Ciencias y Sistemas

Laboratorio Redes de Computadoras 2

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## **Manual técnico**

### **Práctica 2**

#### **Grupo 2**

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## R HUB

```
enable
conf t

int gig 0/2
ip address 1.1.1.1 255.255.255.252
no shutdown
exit
int gig 0/1
ip address 2.2.2.1 255.255.255.252
no shutdown
exit
int gig 0/0
ip address 3.3.3.1 255.255.255.252
no shutdown
exit
```

## R IZQ

```
int gig 0/1
ip address 3.3.3.2 255.255.255.252
no shutdown
exit
int gig 0/0
ip address 192.168.22.1 255.255.255.224
no shutdown
exit
```

## R ARRIBA

```
int gig 0/0
ip address 1.1.1.2 255.255.255.252
no shutdown
exit
int gig 0/1
ip address 192.168.22.65 255.255.255.224
no shutdown
exit
```

## R DERECHO

```
int gig 0/0
ip address 2.2.2.2 255.255.255.252
no shutdown
exit
int gig 0/1
ip address 192.168.22.33 255.255.255.224
no shutdown
exit
```

# ROUTE0

---

## HUB

---

```
router ospf 100
network 1.1.1.0 0.0.0.3 area 0
exit
```

```
router ospf 200
network 2.2.2.0 0.0.0.3 area 0
exit
```

```
router rip
version 2
no auto-summary
network 3.3.3.0
exit
```

```
router rip
redistribute ospf 100 metric 15
redistribute ospf 200 metric 15
exit
```

```
router ospf 100
redistribute rip subnets
exit
```

```
router ospf 200
redistribute rip subnets
exit
```

# ARRIBA

---

```
router ospf 100
network 1.1.1.0 0.0.0.3 area 0
network 192.168.22.65 0.0.0.31 area 0
exit
```

# DERECHA

---

```
router ospf 200
network 2.2.2.0 0.0.0.3 area 0
network 192.168.22.33 0.0.0.31 area 0
exit
```

# IZQUIERDO

---

```
router rip
version 2
no auto-summary
network 3.3.3.0
network 192.168.22.1
end
```

## Routeo:

```
192.168.22.1
192.168.22.33

192.168.82.1

===== router 10
int gig0/2
no shutdown
ip address 1.1.1.1 255.255.255.252
exit
int gig0/0
no shutdown
ip address 2.2.2.1 255.255.255.252
exit
int gig0/1
no shutdown
ip address 192.168.82.1 255.255.255.224
exit
===== router 19
int gig0/2
no shutdown
ip address 1.1.1.2 255.255.255.252
exit
int gig0/0
no shutdown
ip address 3.3.3.1 255.255.255.252
exit
int gig0/1
no shutdown
ip address 192.168.82.3 255.255.255.224
exit
===== router 23
int gig0/2
no shutdown
ip address 2.2.2.2 255.255.255.252
exit
int gig0/0
no shutdown
ip address 3.3.3.2 255.255.255.252
exit
int se0/3/0
no shutdown
ip address 4.4.4.1 255.255.255.252
```

```
clock rate 56000
exit

=====
- un ruter ospf
router ospf 100
network 192.168.0.0 0.0.0.255 area 0
network 1.1.1.0 0.0.0.3 area 0
network 2.2.2.0 0.0.0.3 area 0

-- router con ospf y rip
router ospf 200
network 1.1.1.0 0.0.0.3 area 0
exit
router rip
version 2
network 192.168.1.0
network 3.3.3.0
no auto-summary
exit
- eigrp y rip
router rip
version 2
no auto-summary
network 9.9.9.0
exit
router eigrp 100
network 192.168.3.0 0.0.0.255
network 7.7.7.0 0.0.0.3
exit

=====
---- router 16
router ospf 100
network 192.168.52.32 0.0.0.31 area 0
network 2.2.2.0 0.0.0.3 area 0
exit
---- router 15
router eigrp 100
network 192.168.52.0 0.0.0.31
network 1.1.1.0 0.0.0.3
exit
---- router 4
router eigrp 100
network 3.3.3.0 0.0.0.3
exit
```

```
---- router 25
router eigrp 100
network 3.3.3.0 0.0.0.3
network 1.1.1.0 0.0.0.3
exit
router ospf 200
network 2.2.2.0 0.0.0.3 area 0
exit

network 192.168.52.32 0.0.0.31 area 0
network 4.4.4.0 0.0.0.3
```