

Instituto Tecnológico de Salina Cruz

Fundamentos de Redes

Semestre Enero – Julio 2015

Reporte de Practica

Practica n° 2

Unidad 5

Nombre: Jesus Alberto Alvarez Camera

Fecha: 01 de junio del 2015

Objetivos:

- Interpretar los resultados del router.
- Identificar las direcciones IP de cada router.
- Diseñar un diagrama de la topología de red.
- Conectar y configurar una red en base al diagrama de topología.
- Probar y verificar la conectividad total.
- Reflexionar sobre la implementación de la red y documentarlo.

Instrucciones:

- 1.- Realizar la tabla de ruteo.
- 2.- Realizar configuraciones iniciales.
- 3.- Identificar comandos a utilizar.
- 4.- Realizar configuraciones de RIP

Materiales:

- Computadoras.
- Cisco Packet Tracer.
- Silla.

Escenario.

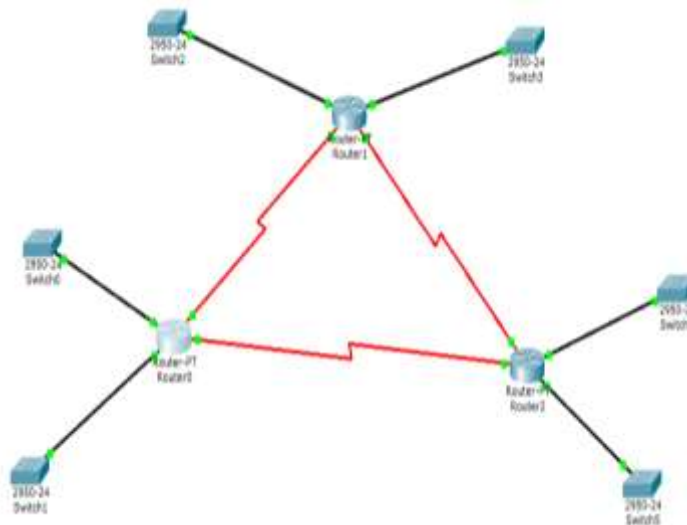


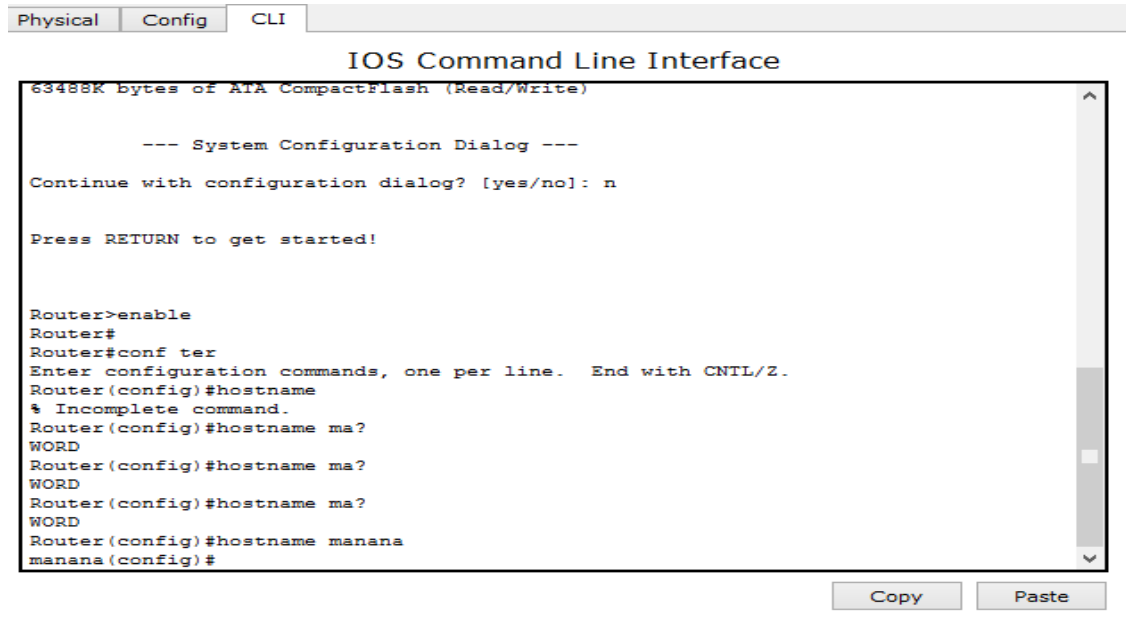
Tabla de ruteo

	Interfaz	Dirección IP	Mascar de subred
Mañana	Fa0/0	192.168.1.1	255.255.255.0
	Fa1/0	192.168.10.2	255.255.255.0
	S2/0	10.10.10.1	255.0.0.0
	S3/0	11.10.10.1	255.0.0.0
Tarde	Fa0/0	172.164.10.1	255.255.0.0
	Fa1/0	192.164.1.2	255.255.0.0
	S2/0	10.10.10.2	255.0.0.0
	S3/0	11.11.0.1	255.0.0.0
noche	Fa0/0	200.10.9.2	255.255.255.0
	Fa1/0	200.10.11.5	255.255.255.0
	s2/0	11.11.0.2	255.0.0.0
	S3/0	10.11.10.2	255.0.0.0

A continuación se les asignara a cada router un nombre, una contraseña y un banner de bienvenida de la siguiente manera.

Router 1 (mañana)

Cambio de nombre



```
Physical Config CLI
IOS Command Line Interface
63488K bytes of ATA CompactFlash (Read/Write)

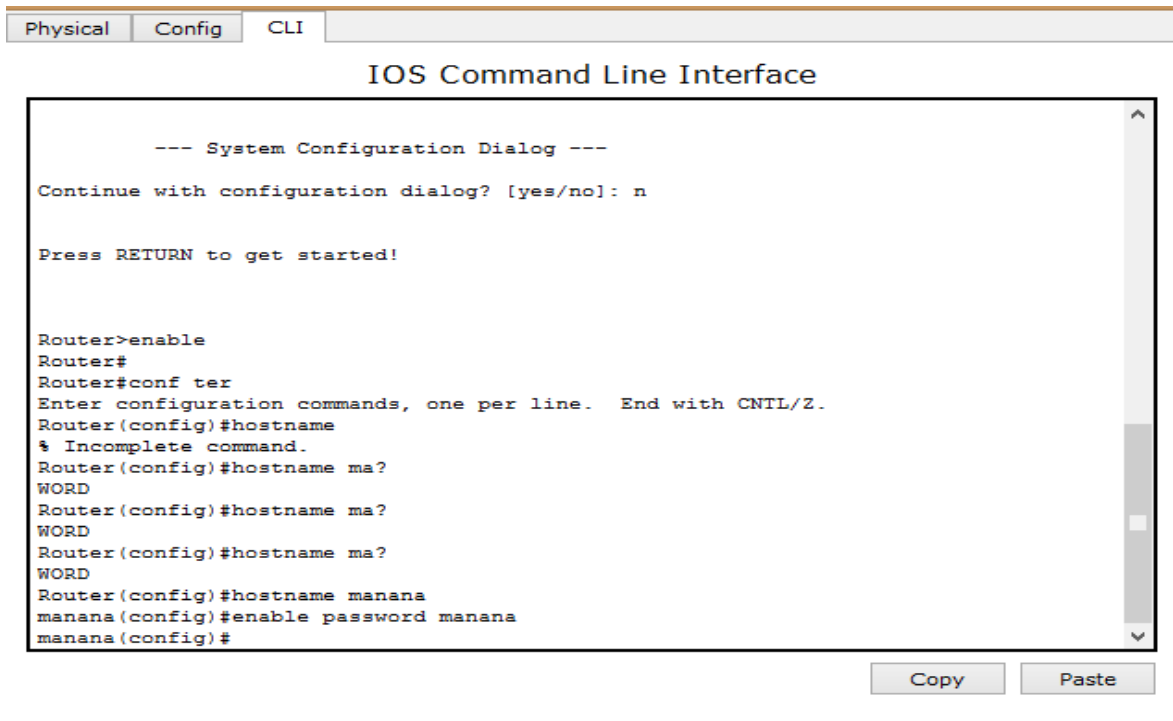
--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname
% Incomplete command.
Router(config)#hostname ma?
WORD
Router(config)#hostname ma?
WORD
Router(config)#hostname ma?
WORD
Router(config)#hostname manana
manana(config)#
```

Copy Paste

Asignación de una contraseña.



```
Physical Config CLI
IOS Command Line Interface

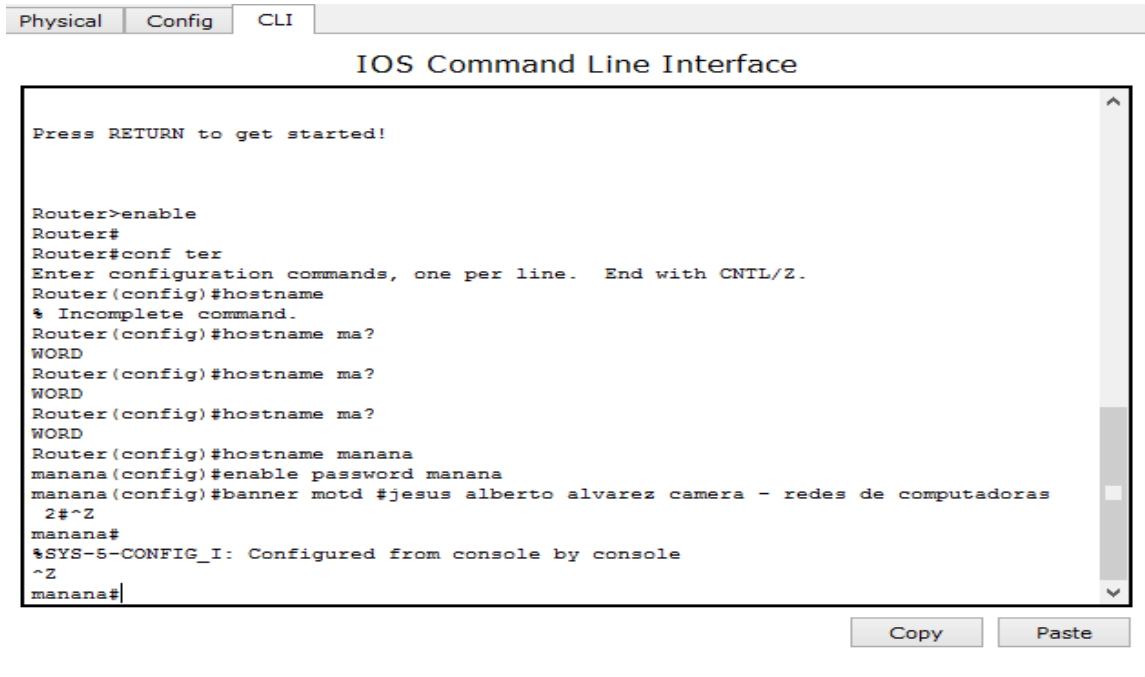
--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname
% Incomplete command.
Router(config)#hostname ma?
WORD
Router(config)#hostname ma?
WORD
Router(config)#hostname ma?
WORD
Router(config)#hostname manana
manana(config)#enable password manana
manana(config)#
```

Copy Paste

Colocación de un banner.



The screenshot shows the IOS Command Line Interface with tabs for Physical, Config, and CLI. The terminal output is as follows:

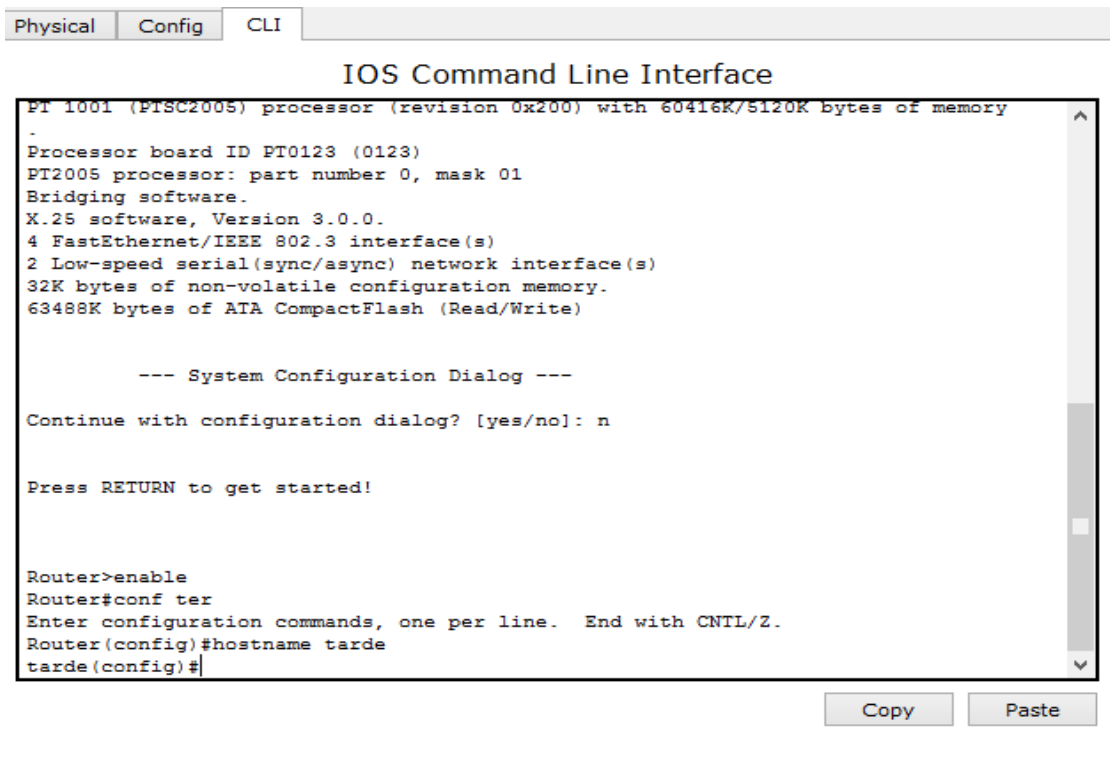
```
Press RETURN to get started!

Router>enable
Router#
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname
% Incomplete command.
Router(config)#hostname ma?
WORD
Router(config)#hostname ma?
WORD
Router(config)#hostname ma?
WORD
Router(config)#hostname manana
manana(config)#enable password manana
manana(config)#banner motd #jesus alberto alvarez camera - redes de computadoras
2#^Z
manana#
%SYS-5-CONFIG_I: Configured from console by console
^Z
manana#
```

Buttons for Copy and Paste are visible at the bottom right of the terminal window.

Router 2 (tarde)

Cambio de nombre



The screenshot shows the IOS Command Line Interface with tabs for Physical, Config, and CLI. The terminal output is as follows:

```
PT 1001 (PTSC2005) processor (revision 0x200) with 60416K/5120K bytes of memory
-
Processor board ID PT0123 (0123)
PT2005 processor: part number 0, mask 01
Bridging software.
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---

Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname tarde
tarde(config)#
```

Buttons for Copy and Paste are visible at the bottom right of the terminal window.

Asignación de una contraseña.

```
Physical Config CLI
IOS Command Line Interface
-
Processor board ID PT0123 (0123)
PT2005 processor: part number 0, mask 01
Bridging software.
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname tarde
tarde(config)#enable password tarde
tarde(config)#
```

Copy Paste

Asignación del banner.

```
Physical Config CLI
IOS Command Line Interface
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname tarde
tarde(config)#enable password tarde
tarde(config)#banner motd #jesus alberto alvarez camera - redes de computadoras
2#^Z
tarde#
%SYS-5-CONFIG_I: Configured from console by console
^Z
tarde#
```

Copy Paste

Router 3 (noche)

Cambio de nombre

```
Physical Config CLI
IOS Command Line Interface
-
PT 1001 (PTSC2005) processor (revision 0x200) with 60416K/5120K bytes of memory
-
Processor board ID PT0123 (0123)
PT2005 processor: part number 0, mask 01
Bridging software.
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---

Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname noche
noche(config)#
```

Copy Paste

Configuración de una contraseña.

```
Physical Config CLI
IOS Command Line Interface
-
Processor board ID PT0123 (0123)
PT2005 processor: part number 0, mask 01
Bridging software.
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---

Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname noche
noche(config)#enable password noche
noche(config)#
```

Copy Paste

Asignación del banner.



```
Physical Config CLI
IOS Command Line Interface
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

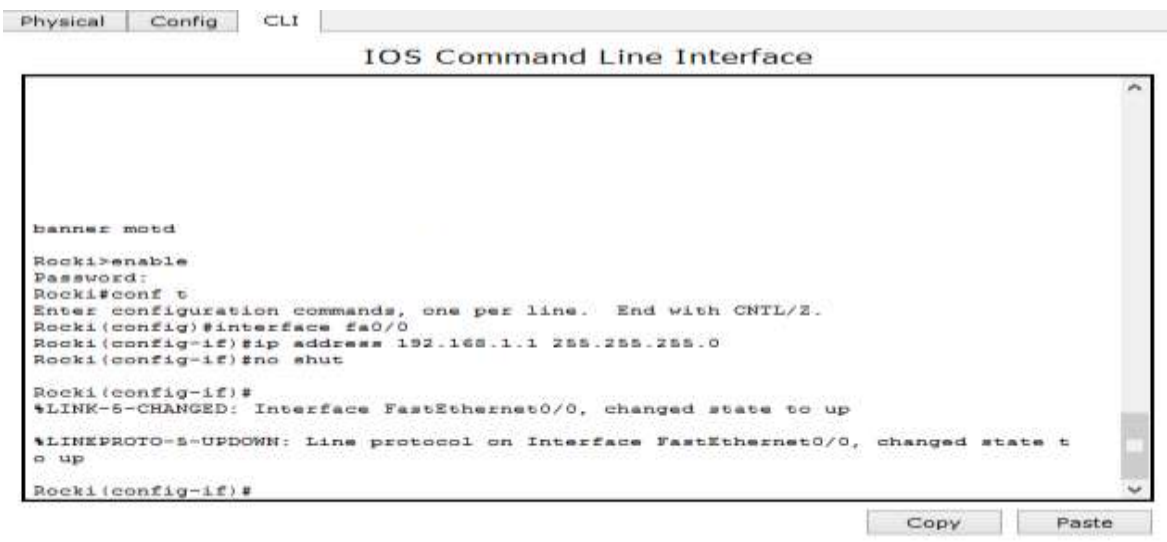
Router>enable
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname noche
noche(config)#enable password noche
noche(config)#banner motd #jesus alberto alvarez camera - redes de computadoras
2#^Z
noche#
%SYS-5-CONFIG_I: Configured from console by console
^Z
noche#
```

Copy Paste

A continuación se procede a el levantamiento de puertos seriales y fastethernet de los Routers para su comunicación de la siguiente manera.

Router 1

Puerto fa0/0.



```
Physical Config CLI
IOS Command Line Interface

banner motd

Rocki>enable
Password:
Rocki#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Rocki(config)#interface fa0/0
Rocki(config-if)#ip address 192.168.1.1 255.255.255.0
Rocki(config-if)#no shut

Rocki(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Rocki(config-if)#
```

Copy Paste

Levantamiento del Puerto fa1/0

```
Physical | Config | CLI | IOS Command Line Interface
Rock1#conf t
Enter configuration commands, one per line. End with CNTRL/Z.
Rock1(config)#interface fa0/0
Rock1(config-if)#ip address 192.168.1.1 255.255.255.0
Rock1(config-if)#no shut

Rock1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Rock1(config-if)#exit
Rock1(config)#interface fa1/0
Rock1(config-if)#ip address 192.168.1.2 255.255.255.0
% 192.168.1.0 overlaps with FastEthernet0/0
Rock1(config-if)#ip address 192.168.10.2 255.255.255.0
Rock1(config-if)#no shut

Rock1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Rock1(config-if)#
```

Copy Paste

Levantamiento del Serial 2/0

```
Physical | Config | CLI | IOS Command Line Interface
Rock1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Rock1(config-if)#exit
Rock1(config)#interface fa1/0
Rock1(config-if)#ip address 192.168.1.2 255.255.255.0
% 192.168.1.0 overlaps with FastEthernet0/0
Rock1(config-if)#ip address 192.168.10.2 255.255.255.0
Rock1(config-if)#no shut

Rock1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Rock1(config-if)#exit
Rock1(config)#interface s2/0
Rock1(config-if)#ip address 10.10.10.1 255.0.0.0
Rock1(config-if)#no shut

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Rock1(config-if)#
```

Copy Paste

Levantamiento del Serial 3/0

```
Physical | Config | CLI | IOS Command Line Interface
Rock1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Rock1(config-if)#exit
Rock1(config)#interface s2/0
Rock1(config-if)#ip address 10.10.10.1 255.0.0.0
Rock1(config-if)#no shut

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Rock1(config-if)#exit
Rock1(config)#interface s3/0
% Invalid input detected at '^' marker.

Rock1(config)#interface s3/0
Rock1(config-if)#ip address 10.10.11.1 255.0.0.0
% 10.0.0.0 overlaps with Serial2/0
Rock1(config-if)#ip address 11.10.10.1 255.0.0.0
Rock1(config-if)#no shut

%LINK-5-CHANGED: Interface Serial3/0, changed state to down

Rock1(config-if)#
```

Copy Paste

Router 2

Levantamiento del Puerto fa0/0

```
Physical | Config | CLI |
IOS Command Line Interface

Tripونا>enable
Password:
Tripونا#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Tripونا(config)#interface fa0/0
Tripونا(config-if)#ip address 172.164.10.1 255.255.0.0
Tripونا(config-if)#no shut
Tripونا(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Tripونا(config-if)#
```

Copy Paste

Levantamiento del Puerto fa1/0

```
Physical | Config | CLI |
IOS Command Line Interface

Tripونا(config-if)#no shut
Tripونا(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Tripونا(config-if)#exit
Tripونا(config)#interface fa1/0
Tripونا(config-if)#ip address 172.164.10.2 255.255.0.0
% 172.164.0.0 overlaps with FastEthernet0/0
Tripونا(config-if)#ip address 172.164.11.2 255.255.0.0
% 172.164.0.0 overlaps with FastEthernet0/0
Tripونا(config-if)#ip address 172.164.1.2 255.255.0.0
% 172.164.0.0 overlaps with FastEthernet0/0
Tripونا(config-if)#ip address 192.164.1.2 255.255.255.0
Tripونا(config-if)#no shut
Tripونا(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Tripونا(config-if)#
```

Copy Paste

Levantamiento del Serial 2/0

```
Physical | Config | CLI |
IOS Command Line Interface

Tripونا(config-if)#exit
Tripونا(config)#interface fa1/0
Tripونا(config-if)#ip address 172.164.10.2 255.255.0.0
% 172.164.0.0 overlaps with FastEthernet0/0
Tripونا(config-if)#ip address 172.164.11.2 255.255.0.0
% 172.164.0.0 overlaps with FastEthernet0/0
Tripونا(config-if)#ip address 172.164.1.2 255.255.0.0
% 172.164.0.0 overlaps with FastEthernet0/0
Tripونا(config-if)#ip address 192.164.1.2 255.255.255.0
Tripونا(config-if)#no shut
Tripونا(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Tripونا(config-if)#exit
Tripونا(config)#interface s2/0
Tripونا(config-if)#ip address 10.10.10.2 255.0.0.0
Tripونا(config-if)#no shut
Tripونا(config-if)#
Tripونا(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
Tripونا(config-if)#
```

Copy Paste

Levantamiento del puerto Serial 3/0

```
Physical | Config | CLI |
IOS Command Line Interface

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Tripona(config-if)#exit
Tripona(config)#interface s2/0
Tripona(config-if)#ip address 10.10.10.2 255.0.0.0
Tripona(config-if)#no shut

Tripona(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Tripona(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Tripona(config-if)#exit
Tripona(config)#interface s3/0
% Invalid input detected at '^' marker.

Tripona(config)#interface s3/0
Tripona(config-if)#ip address 11.11.0.1 255.0.0.0
Tripona(config-if)#no shut

%LINK-5-CHANGED: Interface Serial3/0, changed state to down
Tripona(config-if)#
```

Copy Paste

Router 3

Levantamiento del Puerto fa0/0

```
Physical | Config | CLI |
IOS Command Line Interface

Balboa>enable
Password:
Balboa#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Balboa(config)#interface fa0/0
Balboa(config-if)#ip address 200.10.9.2 255.255.255.0
Balboa(config-if)#no shut

Balboa(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Balboa(config-if)#
```

Copy Paste

Levantamiento del Puerto fa1/0

```
Physical | Config | CLI |
IOS Command Line Interface

Balboa#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Balboa(config)#interface fa0/0
Balboa(config-if)#ip address 200.10.9.2 255.255.255.0
Balboa(config-if)#no shut

Balboa(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Balboa(config-if)#exit
Balboa(config)#interface fa1/0
Balboa(config-if)#ip address 200.10.9.8 255.255.255.0
% 200.10.9.0 overlaps with FastEthernet0/0
Balboa(config-if)#ip address 200.10.11.8 255.255.255.0
Balboa(config-if)#no shut

Balboa(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Balboa(config-if)#
```

Copy Paste

Levantamiento del puerto Serial 2/0

Physical Config CLI

IOS Command Line Interface

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Balboa(config-if)#exit
Balboa(config)#interface fa1/0
Balboa(config-if)#ip address 200.10.9.5 255.255.255.0
% 200.10.9.0 overlaps with FastEthernet0/0
Balboa(config-if)#ip address 200.10.11.5 255.255.255.0
Balboa(config-if)#no shut

Balboa(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Balboa(config-if)#exit
Balboa(config)#interface s2/0
Balboa(config-if)#ip address 11.11.0.2 255.0.0.0
Balboa(config-if)#no shut

Balboa(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Balboa(config-if)#
```

Copy Paste

Levantamiento del puerto Serial 3/0

Physical Config CLI

IOS Command Line Interface

```
Balboa(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Balboa(config-if)#exit
Balboa(config)#interface s3/0
Balboa(config-if)#ip address 11.10.10.2 255.0.0.0
% 11.0.0.0 overlaps with Serial2/0
Balboa(config-if)#ip address 11.10.10.2 255.255.0.0
% 11.10.0.0 overlaps with Serial2/0
Balboa(config-if)#ip address 11.11.10.2 255.255.0.0
% 11.11.0.0 overlaps with Serial2/0
Balboa(config-if)#ip address 11.10.11.2 255.255.0.0
% 11.10.0.0 overlaps with Serial2/0
Balboa(config-if)#ip address 11.10.10.2 255.0.0.0
% 11.0.0.0 overlaps with Serial2/0
Balboa(config-if)#ip address 11.10.11.2 255.0.0.0
% 11.0.0.0 overlaps with Serial2/0
Balboa(config-if)#ip address 11.10.10.3 255.0.0.0
% 11.0.0.0 overlaps with Serial2/0
Balboa(config-if)#ip address 10.11.10.2 255.0.0.0
Balboa(config-if)#no shut

Balboa(config-if)#
%LINK-5-CHANGED: Interface Serial3/0, changed state to up

Balboa(config-if)#
```

Copy Paste

Como primer punto se examinaran los Routers de la siguiente manera

Router 1

```
Physical | Config | CLI | IOS Command Line Interface

Rocki>enable
Password:
Rocki#show ip route
Codes: C - connected, S - static, I - IGRP, 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

C    10.0.0.0/8 is directly connected, Serial12/0
C    11.0.0.0/8 is directly connected, Serial13/0
C    192.168.1.0/24 is directly connected, FastEthernet0/0
C    192.168.10.0/24 is directly connected, FastEthernet1/0
Rocki#
```

Copy Paste

Router 2

```
Physical | Config | CLI | IOS Command Line Interface

Tripona>enable
Password:
Tripona#show ip route
Codes: C - connected, S - static, I - IGRP, 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

C    10.0.0.0/8 is directly connected, Serial12/0
C    11.0.0.0/8 is directly connected, Serial13/0
C    172.164.0.0/16 is directly connected, FastEthernet0/0
C    192.164.1.0/24 is directly connected, FastEthernet1/0
Tripona#
```

Copy Paste

Router 3

```
Physical Config CLI
IOS Command Line Interface

Balboa>enable
Password:
Balboa#show ip route
Codes: C - connected, S - static, I - IGRP, 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

C    10.0.0.0/8 is directly connected, Serial3/0
C    11.0.0.0/8 is directly connected, Serial2/0
C    200.10.9.0/24 is directly connected, FastEthernet0/0
C    200.10.11.0/24 is directly connected, FastEthernet1/0
Balboa#
```

Copy Paste

A continuación se procede a la Configuración del protocolo de enrutamiento para cada router de la siguiente manera.

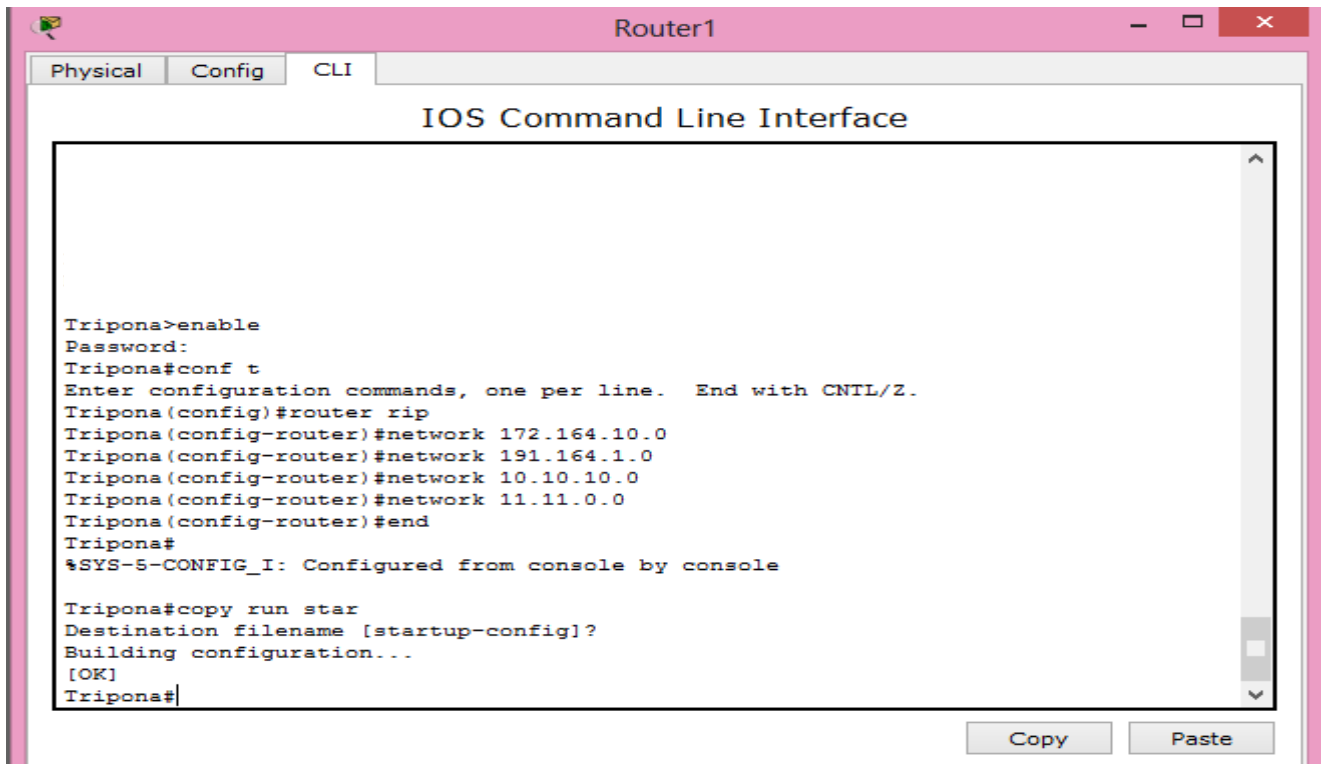
Se Habilitara el protocolo de enrutamiento RIP en el router1.

```
Physical Config CLI
IOS Command Line Interface

Rocki>enable
Password:
Rocki#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Rocki(config)#router rip
Rocki(config-router)#network 192.168.0.0
Rocki(config-router)#network 10.10.10.0
Rocki(config-router)#network 11.10.10.0
Rocki(config-router)#end
Rocki#
%SYS-5-CONFIG_I: Configured from console by console
Rocki#
```

Copy Paste

A continuación se Habilitara el protocolo de enrutamiento RIP en el router2.



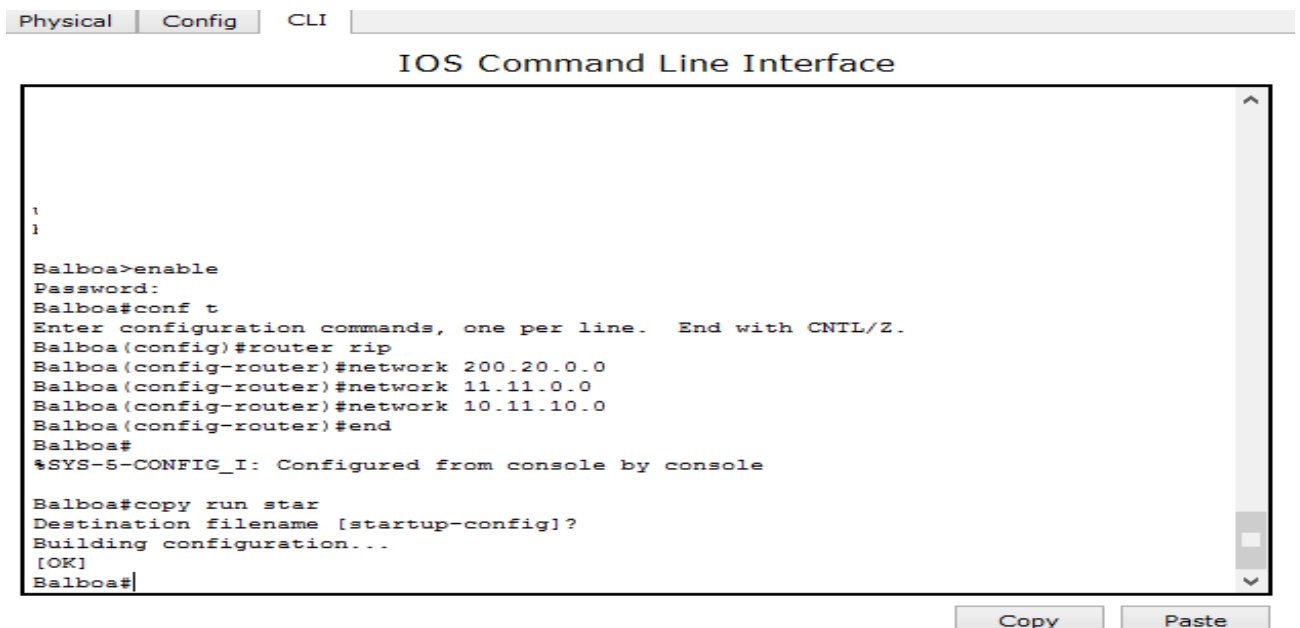
The screenshot shows a window titled "Router1" with tabs for "Physical", "Config", and "CLI". The main area is titled "IOS Command Line Interface" and contains the following text:

```
Tripona>enable
Password:
Tripona#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Tripona(config)#router rip
Tripona(config-router)#network 172.164.10.0
Tripona(config-router)#network 191.164.1.0
Tripona(config-router)#network 10.10.10.0
Tripona(config-router)#network 11.11.0.0
Tripona(config-router)#end
Tripona#
%SYS-5-CONFIG_I: Configured from console by console

Tripona#copy run star
Destination filename [startup-config]?
Building configuration...
[OK]
Tripona#
```

At the bottom right of the window, there are "Copy" and "Paste" buttons.

Se Habilitara el protocolo de enrutamiento RIP en el router3.



The screenshot shows a window titled "Router3" with tabs for "Physical", "Config", and "CLI". The main area is titled "IOS Command Line Interface" and contains the following text:

```
Balboa>enable
Password:
Balboa#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Balboa(config)#router rip
Balboa(config-router)#network 200.20.0.0
Balboa(config-router)#network 11.11.0.0
Balboa(config-router)#network 10.11.10.0
Balboa(config-router)#end
Balboa#
%SYS-5-CONFIG_I: Configured from console by console

Balboa#copy run star
Destination filename [startup-config]?
Building configuration...
[OK]
Balboa#
```

At the bottom right of the window, there are "Copy" and "Paste" buttons.

Conclusión

En esta práctica se pudieron observar varios factores de un router cisco, así como son sus 3 configuraciones iniciales que son el cambio de nombre, la asignación de una contraseña y la colocación de un banner de bienvenida, en consecutiva se pudo observar cómo se levantaron los puertos seriales y los fastethernet de los mismo y así como la configuración del protocolo rip y sus funciones en cada uno de ellos.