

CONFIGURACION COMPLETA WAN_LAB

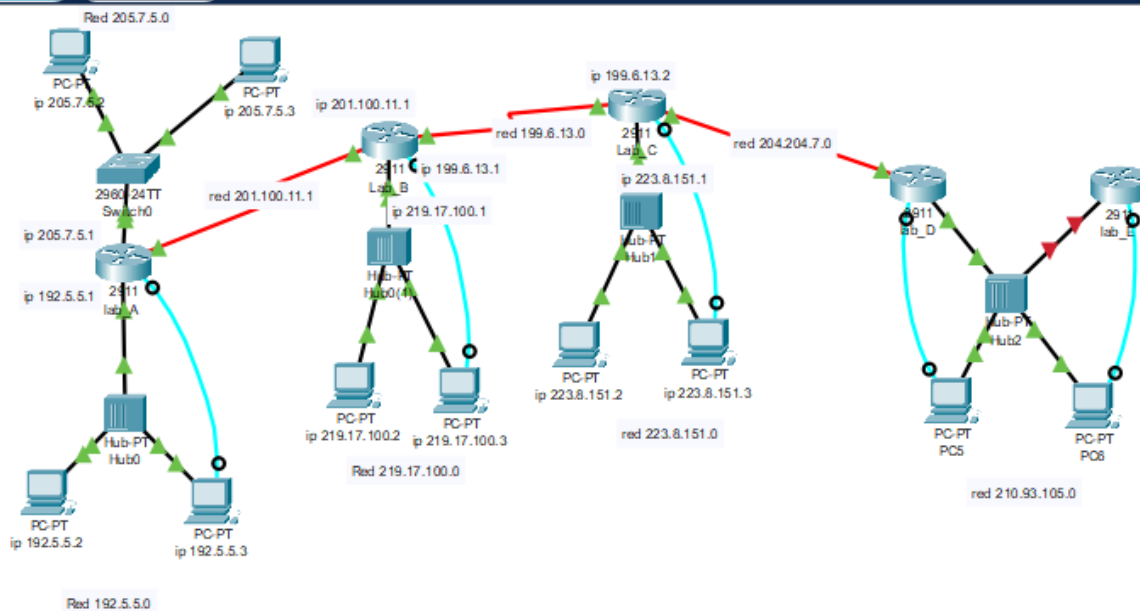


Imagen 1: Topología completa

configuración router LAB_A

```
interface GigabitEthernet0/0
 ip address 192.5.5.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/1
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface GigabitEthernet0/2
 ip address 205.7.5.1 255.255.255.0
 duplex auto
 speed auto
!
interface Serial0/3/0
 ip address 201.100.11.1 255.255.0.0
!
interface Serial0/3/1
 no ip address
 clock rate 2000000
 shutdown
!
```

Imagen 2: Show running-config router LAB_A

```

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
Router(config-router)#network 205.7.5.0
Router(config-router)#network 192.5.5.0
Router(config-router)#network 219.17.100.0
Router(config-router)#network 223.8.151.0
Router(config-router)#network 210.93.105.0
Router(config-router)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 201.100.11.0
Router(config-router)#
Router(config-router)#network 204.204.7.0
Router(config-router)#network 210.93.105.0

```

Imagen 3: configuración Router RIP del LAB_A

Configuración router LAB_B

```

interface GigabitEthernet0/0
 ip address 219.17.100.1 255.255.255.0
 duplex auto
 speed auto
 !
interface GigabitEthernet0/1
 no ip address
 duplex auto
 speed auto
 shutdown
 !
interface GigabitEthernet0/2
 no ip address
 duplex auto
 speed auto
 shutdown
 !
interface Serial0/3/0
 ip address 201.100.11.2 255.255.0.0
 clock rate 56000
 !
interface Serial0/3/1
 ip address 199.6.13.1 255.255.0.0
 !

```

Imagen 4: Show running-config router LAB_B

```

Router>enable
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router
% Incomplete command.
Router(config)#router rip
Router(config-router)#network 201.100.11.1
Router(config-router)#network 199.6.13.0
Router(config-router)#network 204.204.7.0
Router(config-router)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console

Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#
Router(config)#
%SYS-5-CONFIG_I: Configured from console by console
ip route 201.100.11.1 255.255.0.0 199.6.13.0
^
%Inconsistent address and mask
Router(config)#
Router(config)#router rip
Router(config-router)#network 219.17.100.0
Router(config-router)#network 205.7.5.0
Router(config-router)#network 192.5.5.0
Router(config-router)#network 199.6.13.2
Router(config-router)#network 223.8.151.0
Router(config-router)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

```

Imagen 5: configuración Router RIP del LAB_B

Configuración Router LAB_C

```

Router(config-if)#ip address 223.8.151.1 255.255.255.0
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

Router(config-if)#exit
Router(config)#interface serial 0/3/0
Router(config-if)#ip address 199.6.13.2 255.255.0.0
Router(config-if)#clock rate 56000
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/3/0, changed state to up

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/3/0, changed state to up


Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface serial 0/3/1
Router(config-if)#ip address 204.204.7.0
% Incomplete command.
Router(config-if)#ip address 204.204.7.0 255.255.0.0
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/3/1, changed state to down
Router(config-if)#exit
Router(config)#
%LINK-5-CHANGED: Interface Serial0/3/1, changed state to up

```

Imagen 6: configuración seriales y GigabitEthernet del LAB_C

```
interface GigabitEthernet0/0
 ip address 223.8.151.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/1
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface GigabitEthernet0/2
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Serial0/3/0
 ip address 199.6.13.2 255.255.0.0
 clock rate 56000
!
interface Serial0/3/1
 ip address 204.204.7.0 255.255.0.0
!
interface Vlan1
 no ip address
 shutdown
.
```

Imagen 7: Show running-config router LAB_C

```
Router>enable
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 201.100.11.1
Router(config-router)#network 199.6.13.0
Router(config-router)#network 204.204.7.0
Router(config-router)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

```
Router>enable
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 219.17.100.0
Router(config-router)#network 205.7.5.0
Router(config-router)#network 192.5.5.0
Router(config-router)#network 223.8.151.0
Router(config-router)#network 210.93.105.0
Router(config-router)#exit
Router(config)#exit
Router#
```

Imagen 8: configuración Router RIP del LAB_C

Configuración Router LAB_D

```

Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface gigabitE 0/0
Router(config-if)#ip address 210.93.105.1
% Incomplete command.
Router(config-if)#ip address 210.93.105.1 255.255.255.0
Router(config-if)#no shut down

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

Router(config-if)#interface serial 0/3/0
Router(config-if)#ip address 204.204.7.0
% Incomplete command.
Router(config-if)#ip address 204.204.7.0 255.255.0.0
Router(config-if)# clock rate 56000
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/3/0, changed state to up

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/3/0, changed state to up

```

Imagen 9: configuración router LAB_D

```

Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 201.100.11.1
Router(config-router)#network 199.6.13.0
Router(config-router)#network 204.204.7.0

Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#210.93.105.0
^
% Invalid input detected at '^' marker.

Router(config-router)#network 210.93.105.0
Router(config-router)#network 223.8.151.0
Router(config-router)#network 219.17.100.0
Router(config-router)#network 205.7.5.0
Router(config-router)#network 192.5.5.0
Router(config-router)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

```

Imagen 9: configuración Router RIP del LAB_D

Pruebas de traspaso de información entre routers







Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num
	Successful	lab_A	Lab_B	ICMP		0.000	N	0
	Successful	Lab_B	Lab_C	ICMP		0.000	N	1
	Successful	Lab_C	lab_D	ICMP		0.000	N	2

Imagen 10: Prueba entre routers







Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic
	Successful	ip 205.7.5.2	ip 223.8.151.3	ICMP		0.000	N
	Successful	ip 205.7.5.3	ip 223.8.151.2	ICMP		0.000	N
	Successful	ip 192.5.5.3	ip 219.17.100.3	ICMP		0.000	N

Imagen 11: Prueba entre PCs