



**TECNOLÓGICO
NACIONAL DE MÉXICO**



Ingeniería en Sistemas Computacionales

Conmutación y enrutamiento de redes 14:00 – 15:00

Unidad 1

Evidencia 3: Práctica de configuración de rutas en laboratorio

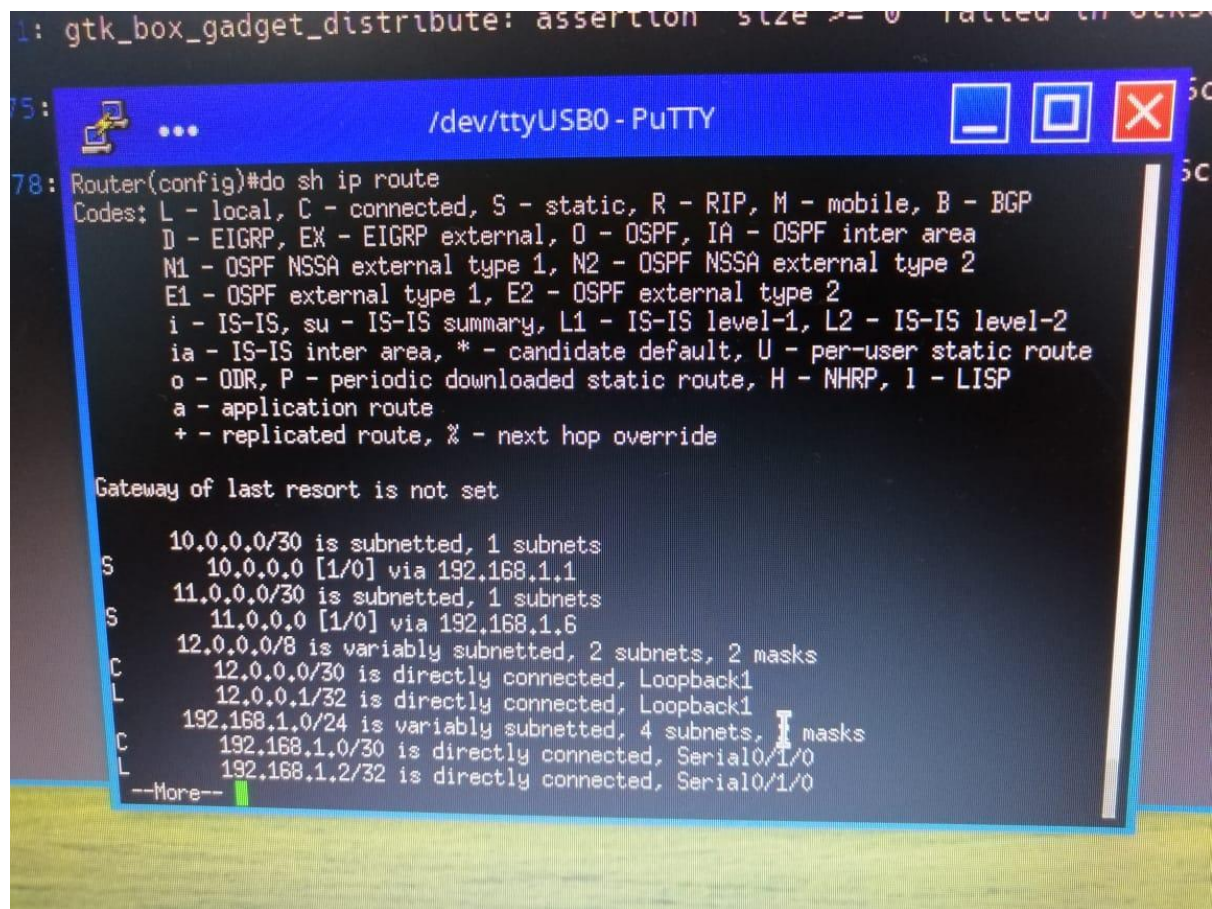
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Ejecutando el comando 'do show ip route' desde el equipo de consola



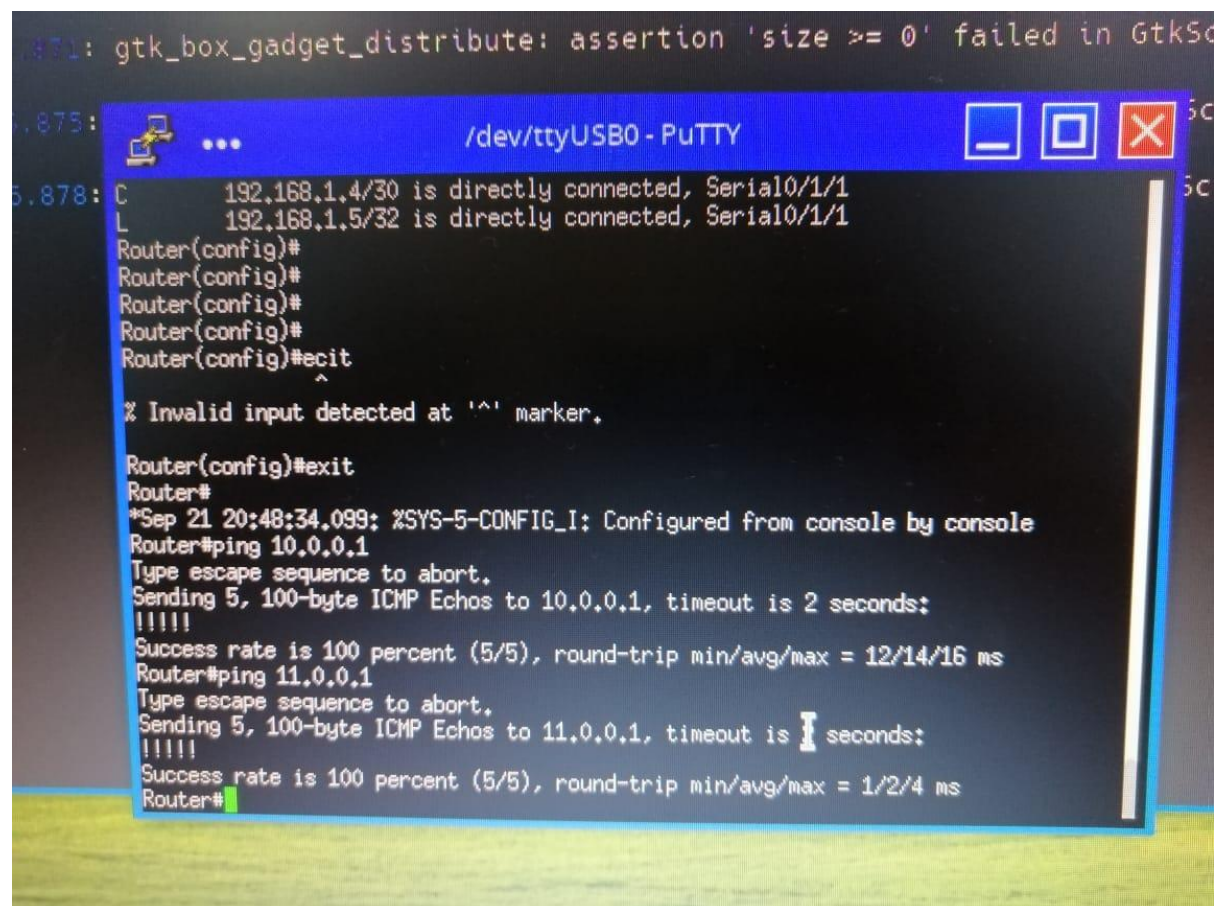
```
1: gtk_box_gadget_distribute: assertion 'size >= 0' failed in gtk3
75:
78: Router(config)#do sh ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, su - IS-IS summary, 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, H - NHRP, I - LISP
       a - application route
       + - replicated route, % - next hop override

Gateway of last resort is not set

 10.0.0.0/30 is subnetted, 1 subnets
S    10.0.0.0 [1/0] via 192.168.1.1
 11.0.0.0/30 is subnetted, 1 subnets
S    11.0.0.0 [1/0] via 192.168.1.6
 12.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    12.0.0.0/30 is directly connected, Loopback1
L    12.0.0.1/32 is directly connected, Loopback1
C    192.168.1.0/24 is variably subnetted, 4 subnets, 1 masks
C    192.168.1.0/30 is directly connected, Serial0/1/0
L    192.168.1.2/32 is directly connected, Serial0/1/0
--More--
```

Se trabajó configurando el enrutador B, por lo que se visualiza que la red loopback 12.0.0.0/30 está conectada directamente, estableciendo rutas estáticas solo para las redes 10.0.0.0/30 del enrutador A, y 11.0.0.0/30 del enrutador C.

Se realizan pings a ambas redes loopback vecinas desde el IOS cisco

A screenshot of a PuTTY terminal window titled "/dev/ttyUSB0 - PuTTY". The terminal displays the following text:

```
5.875: C 192.168.1.4/30 is directly connected, Serial0/1/1
5.875: L 192.168.1.5/32 is directly connected, Serial0/1/1
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#exit
^
% Invalid input detected at '^' marker.

Router(config)#exit
Router#
*Sep 21 20:48:34.099: %SYS-5-CONFIG_I: Configured from console by console
Router#ping 10.0.0.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.0.0.1, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 12/14/16 ms
Router#ping 11.0.0.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 11.0.0.1, timeout is 1 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
Router#
```

Se muestran ambos pings con un éxito de 100%.