UNIVERSIDAD PRIVADA FRANZ TAMAYO

FACULTAD DE INGENIERÍA

INGENIERÍA DE SISTEMAS

GNS3

Hito 4

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Asignatura:

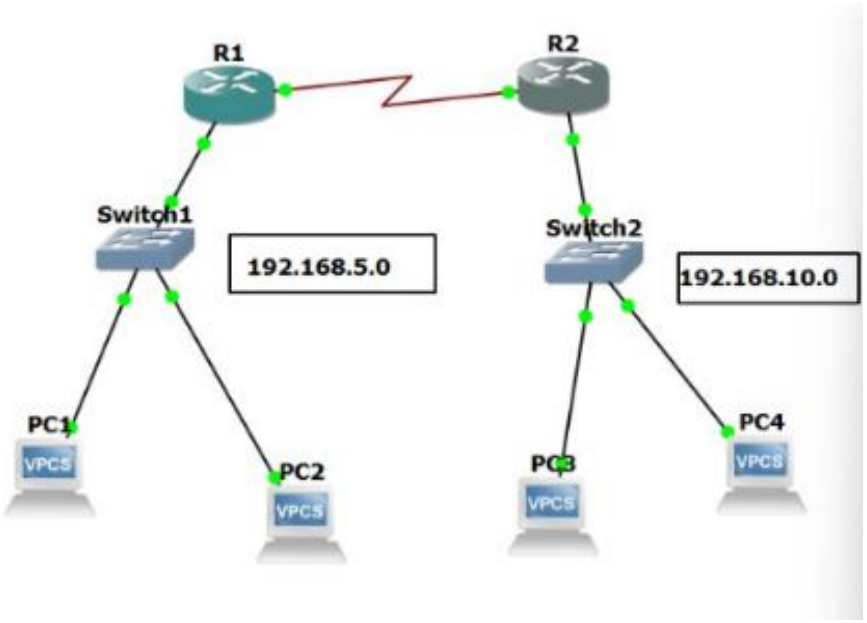
- Redes II

Fecha:

- 19/06/25

Cochabamba-Bolivia

2025



Configuraciones

R1

```
administratively down
R1#
R1#enable
R1#conf ter
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#interface fastether 0/0
R1(config-if)#ip address 192.168.5.1 255.255.255.0
R1(config-if)#no shutdown
R1(config-if)#
*Jun 19 21:39:20.531: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state t
o up
*Jun 19 21:39:21.531: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/0, changed state to up
R1(config-if)#end
R1#wri
*Jun 19 21:39:41.555: %SYS-5-CONFIG_I: Configured from console by console
R1#write
Warning: Attempting to overwrite an NVRAM configuration previously written
by a different version of the system image.
Overwrite the previous NVRAM configuration?[confirm]
Building configuration...
[OK]
R1#conf ter
Enter configuration commands, one per line.  End with CNTL/Z.
```

R1#enable

R1#conf ter

Enter configuration commands, one per line. End with CNTL/Z.

R1(config)#interface fastether 0/0

R1(config-if)#ip address 192.168.5.1 255.255.255.0

R1(config-if)#no shutdown

R1(config-if)#

*Jun 19 21:39:20.531: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up

*Jun 19 21:39:21.531: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

```
R1(config-if)#end
R1#wri
*Jun 19 21:39:41.555: %SYS-5-CONFIG_I: Configured from console by console
R1#write
Warning: Attempting to overwrite an NVRAM configuration previously written
by a different version of the system image.
Overwrite the previous NVRAM configuration?[confirm]
Building configuration...
[OK]
R1#conf ter
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#interface serial 1/0
R1(config-if)#ip address 10.0.0.1
% Incomplete command.

R1(config-if)#ip address 10.0.0.1 255.255.255.252
R1(config-if)#no shutdown
R1(config-if)#


R1(config)#ip route 192.168.10.0 255.255.255.0 10.0.0.2
R1(config)#do wr
Building configuration...
```

R2

```
R2#enable
R2#conf ter
Enter configuration commands, one per line.  End with CNTL/Z.
R2(config)#interface fastethernet 0/0
R2(config-if)#ip address 192.168.10.1 255.255.255.0
R2(config-if)#no shutdown
R2(config-if)#
*Jun 19 21:41:54.527: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Jun 19 21:41:55.527: %LINEPROTO-5-UPDOWN: Line protocol on Interface
FastEthernet0/0, changed state to up
R2(config-if)#do wr
```

Warning: Attempting to overwrite an NVRAM configuration previously written
by a different version of the system image.
Overwrite the previous NVRAM configuration?[confirm]
Building configuration...
[OK]
R2(config-if)#
R2(config-if)#interface serial 1/0
R2(config-if)#ip address 10.0.0.2 255.255.255.252
R2(config-if)#no shutdown
R2(config-if)#
*Jun 19 21:42:34.391: %LINK-3-UPDOWN: Interface Serial1/0, changed state to up
R2(config-if)#
*Jun 19 21:42:35.399: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up
R2(config-if)#do wr
Building configuration...
[OK]
R2(config-if)#
R2#
*Jun 19 21:42:53.899: %SYS-5-CONFIG_I: Configured from console by console
R2#

R2#
R2#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#ip route 192.168.5.0 255.255.255.0 10.0.0.1
R2(config)#do wr
Building configuration...

PCs

PC2>
PC2> ip 192.168.5.3 255.255.255.0 192.168.5.1
Checking for duplicate address...
PC1 : 192.168.5.3 255.255.255.0 gateway 192.168.5.1

PC2> save
Saving startup configuration to startup.vpc
. done

PC2>

PC3> ip 192.168.10.2 255.255.255.0 192.168.10.1
Checking for duplicate address...
PC1 : 192.168.10.2 255.255.255.0 gateway 192.168.10.1

PC3> save
Saving startup configuration to startup.vpc
. done
PC4> ip 192.168.10.3 255.255.255.0 192.168.10.1
Checking for duplicate address...
PC1 : 192.168.10.3 255.255.255.0 gateway 192.168.10.1

PC4> save
Saving startup configuration to startup.vpc
. done

PING

PC1> ping 192.168.10.2
84 bytes from 192.168.10.2 icmp_seq=1 ttl=62 time=91.712 ms
84 bytes from 192.168.10.2 icmp_seq=2 ttl=62 time=61.632 ms
84 bytes from 192.168.10.2 icmp_seq=3 ttl=62 time=61.919 ms
84 bytes from 192.168.10.2 icmp_seq=4 ttl=62 time=60.873 ms
84 bytes from 192.168.10.2 icmp_seq=5 ttl=62 time=61.925 ms

PC1>
PC1> trace 192.168.10.2

trace to 192.168.10.2, 8 hops max, press Ctrl+C to stop

1 192.168.5.1 16.039 ms 15.045 ms 15.885 ms

2 10.0.0.2 45.957 ms 45.568 ms 45.978 ms

3 *192.168.10.2 63.050 ms (ICMP type:3, code:3, Destination port unreachable)

PC1>

PC4 AL PC2

PC4> ping 192.168.5.3

84 bytes from 192.168.5.3 icmp_seq=1 ttl=62 time=76.543 ms

84 bytes from 192.168.5.3 icmp_seq=2 ttl=62 time=62.252 ms

84 bytes from 192.168.5.3 icmp_seq=3 ttl=62 time=61.175 ms

84 bytes from 192.168.5.3 icmp_seq=4 ttl=62 time=62.835 ms

84 bytes from 192.168.5.3 icmp_seq=5 ttl=62 time=63.348 ms

PC4> trace 192.168.5.3

trace to 192.168.5.3, 8 hops max, press Ctrl+C to stop

1 192.168.10.1 16.091 ms 15.545 ms 16.546 ms

2 10.0.0.1 45.530 ms 47.899 ms 47.312 ms

3 *192.168.5.3 60.719 ms (ICMP type:3, code:3, Destination port unreachable)

PC4>