

Escuela de Ingeniería de Sistemas

PRACTICA EC3

Asignatura: Redes Informáticas II

Fecha: 10 Noviembre 2025

Apellidos y Nombres: Fernandez Huaman Andre Rafael

Código: 2123110296

Ciclo: IX

INSTRUCCIONES: El examen es de resolución del caso de implementación de enrutamiento estático. El estudiante debe entregar impreso la resolución del examen parcial.

SE CALIFICARÁ TODO EL PRODECIMIENTO DE DESARROLLO DE LA SIGUIENTE ARQUITECTURA DADA:

Asignación de:

- Nombre de routers, Claves user basic, Clave user exclusive, Mensaje de ayuda.
- Funcionamiento de la arquitectura en base al valor "x", asignado al estudiante.

DESARROLLO

1. Generalidades

Nombre: Institucion Fernadezhuaman

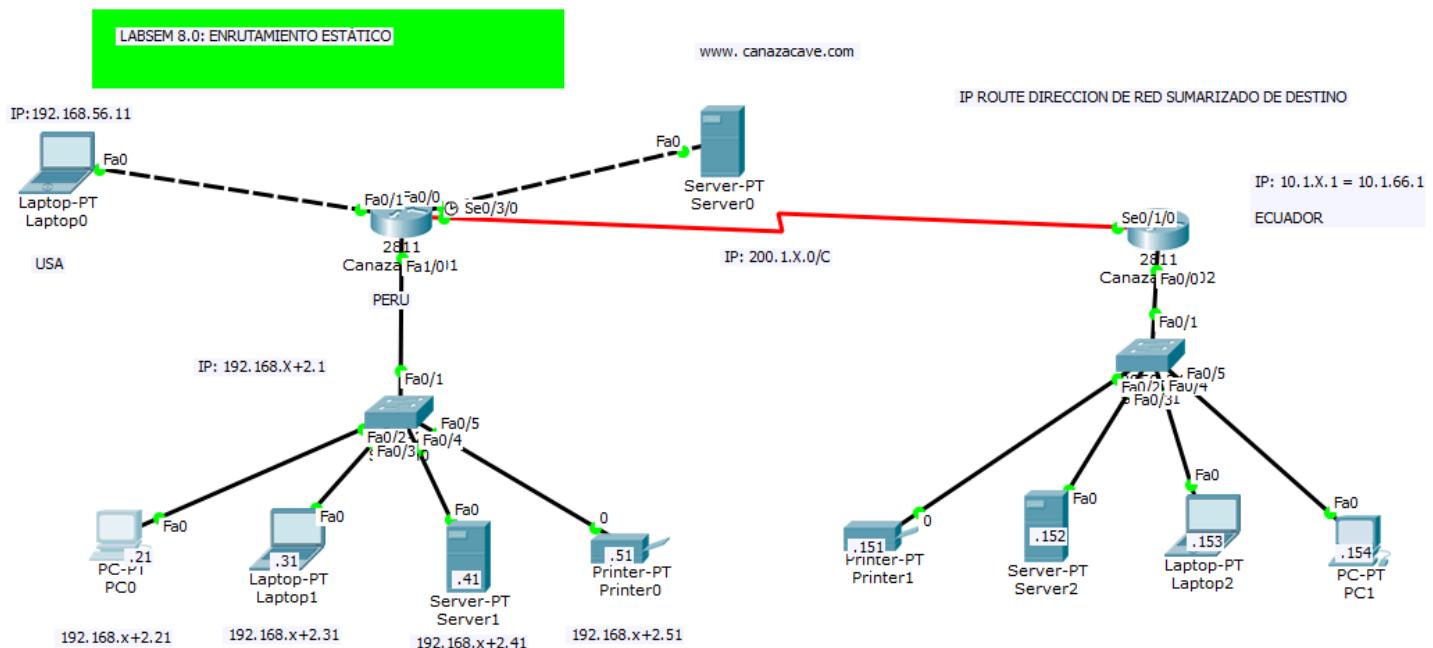
2. Problema

La institucion no cuenta con el direccionamiento de sub redes

3. Objetivo

Realizar la caracterización del direccionamiento de sub redes

4. Diseño



5. Codificación y Captura de pantalla

5.1 Comando router 01

```

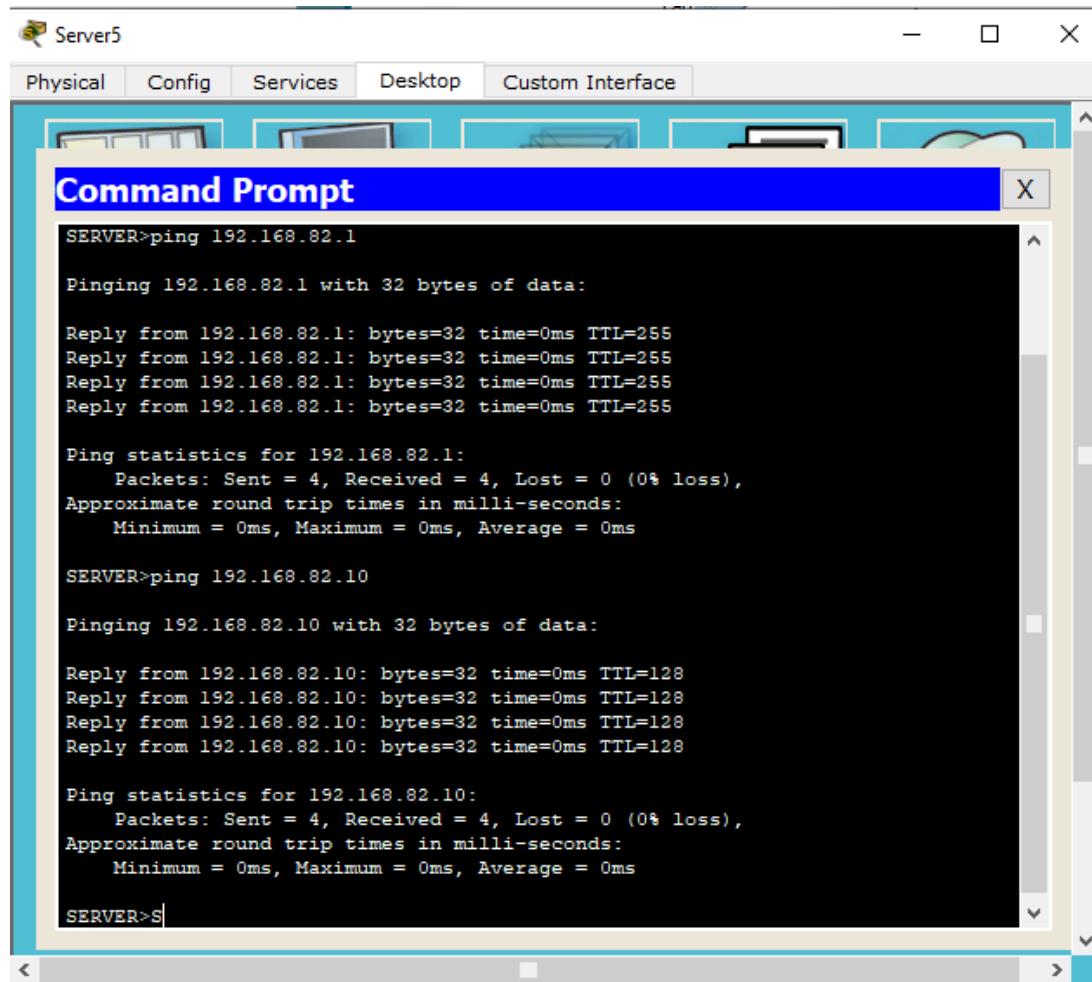
Router(config-if)#no ip address
Router(config-if)#ip address 192.168.82.129 255.255.255.128
Router(config-if)#
Router(config-if)#no ip address
Router(config-if)#ip address 192.168.82.1 255.255.255.128
Router(config-if)#

```

```
Router#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Router#S
```

5.2 Comando router 02

6. implementacion



The screenshot shows a Windows Command Prompt window titled "Command Prompt". The window contains the following command-line session:

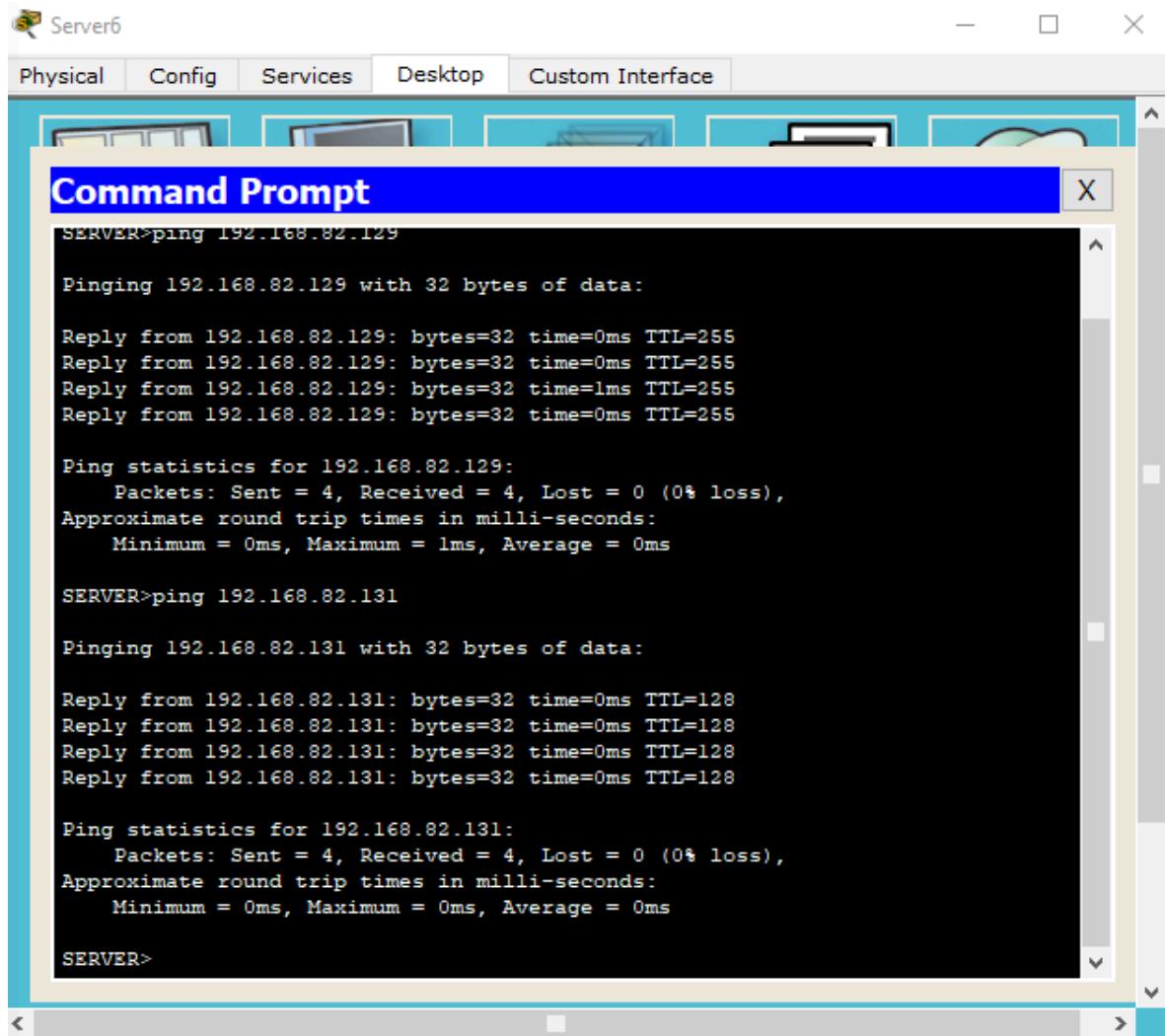
```
SERVER>ping 192.168.82.1
Pinging 192.168.82.1 with 32 bytes of data:
Reply from 192.168.82.1: bytes=32 time=0ms TTL=255

Ping statistics for 192.168.82.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

SERVER>ping 192.168.82.10
Pinging 192.168.82.10 with 32 bytes of data:
Reply from 192.168.82.10: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.82.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

SERVER>S
```



The screenshot shows a Windows Command Prompt window titled "Command Prompt". The window has a blue header bar with the title and a white body. The body contains the output of several "ping" commands. The first command is "ping 192.168.82.129", which shows four replies from the target host. The second command is "ping 192.168.82.131", which also shows four replies. Both commands include statistics at the end. The prompt "SERVER>" appears at the bottom of the window.

```
SERVER>ping 192.168.82.129
Pinging 192.168.82.129 with 32 bytes of data:
Reply from 192.168.82.129: bytes=32 time=0ms TTL=255
Reply from 192.168.82.129: bytes=32 time=0ms TTL=255
Reply from 192.168.82.129: bytes=32 time=1ms TTL=255
Reply from 192.168.82.129: bytes=32 time=0ms TTL=255

Ping statistics for 192.168.82.129:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

SERVER>ping 192.168.82.131
Pinging 192.168.82.131 with 32 bytes of data:
Reply from 192.168.82.131: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.82.131:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

SERVER>
```