



**PROYECTO PARCIAL  
SIMULACION DE RED  
GRUPO I**

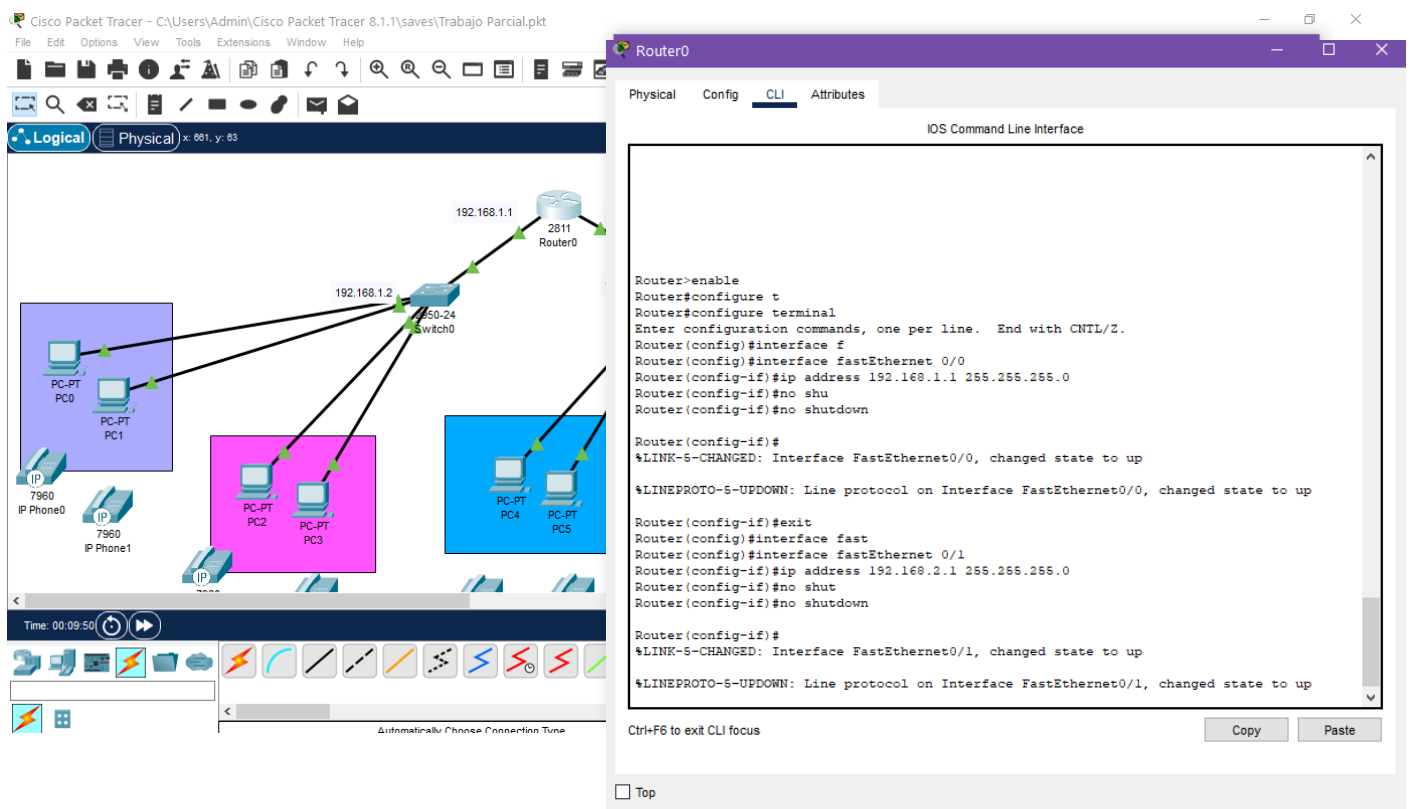
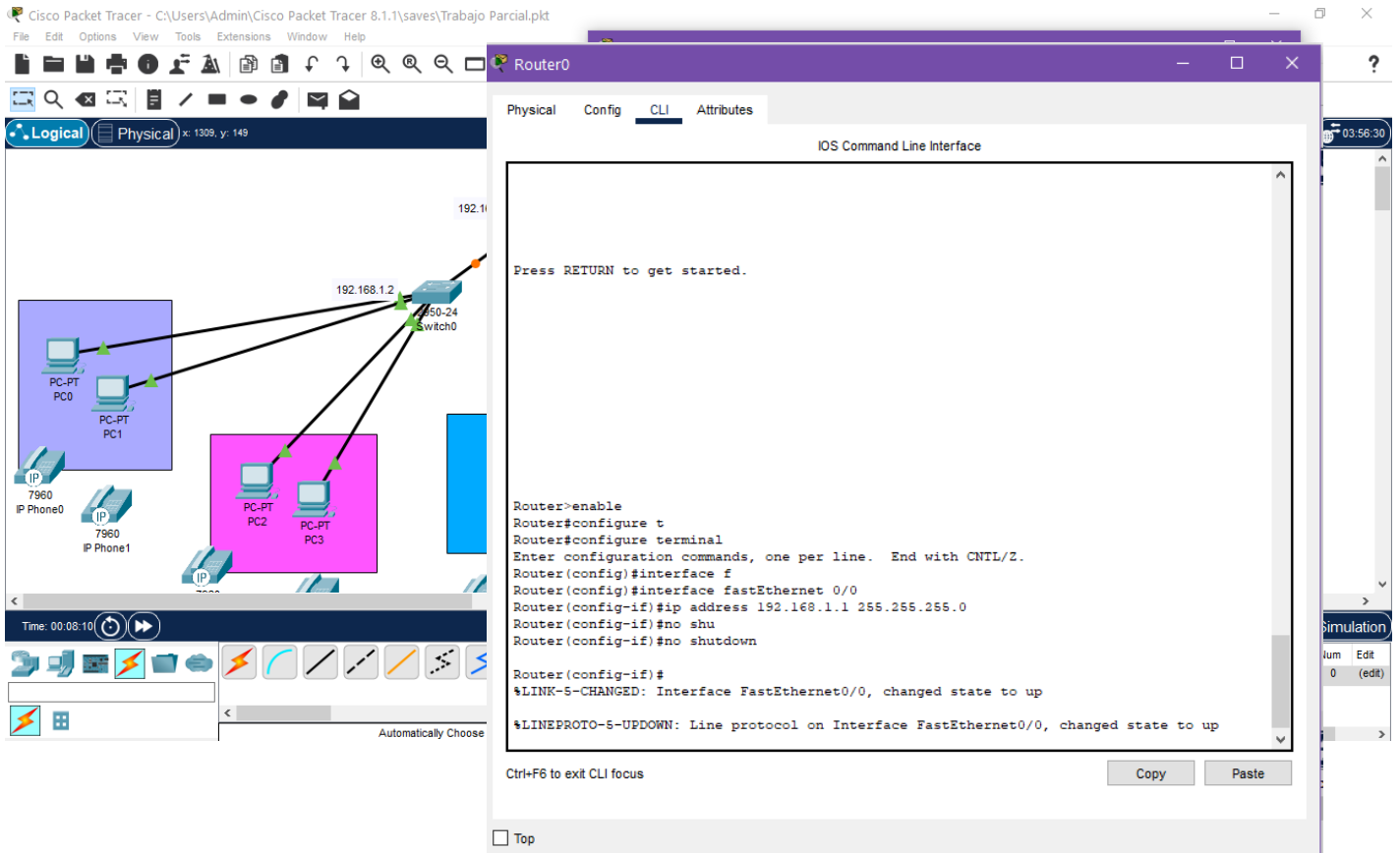


# Proceso de creación de la Red LAN Grupo 1

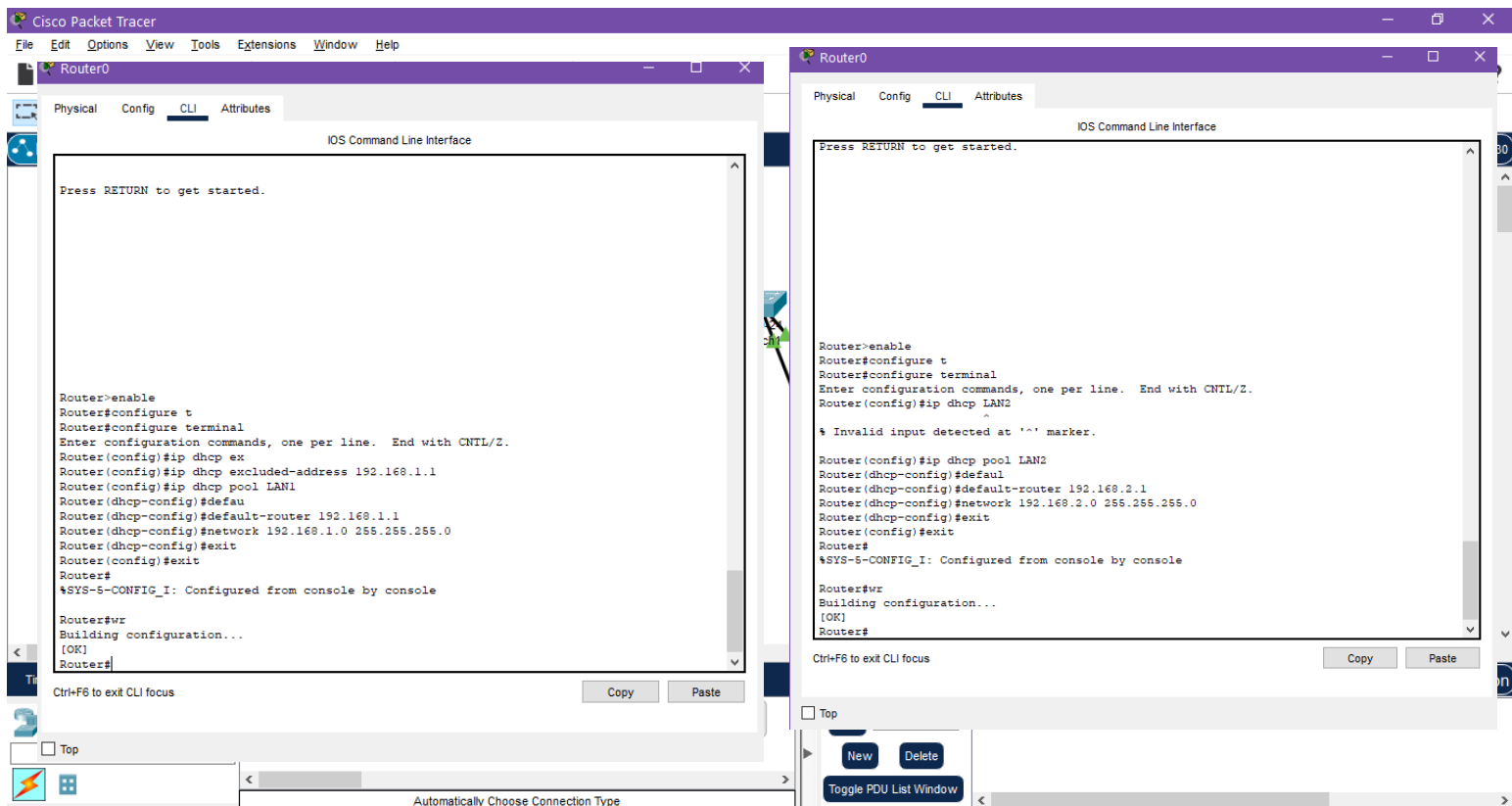
## Proyecto Parcial Telefonía IP

### 1- Configuración de Router

- Establecimiento de las IP del Router que maneja el Router en sus puertos.

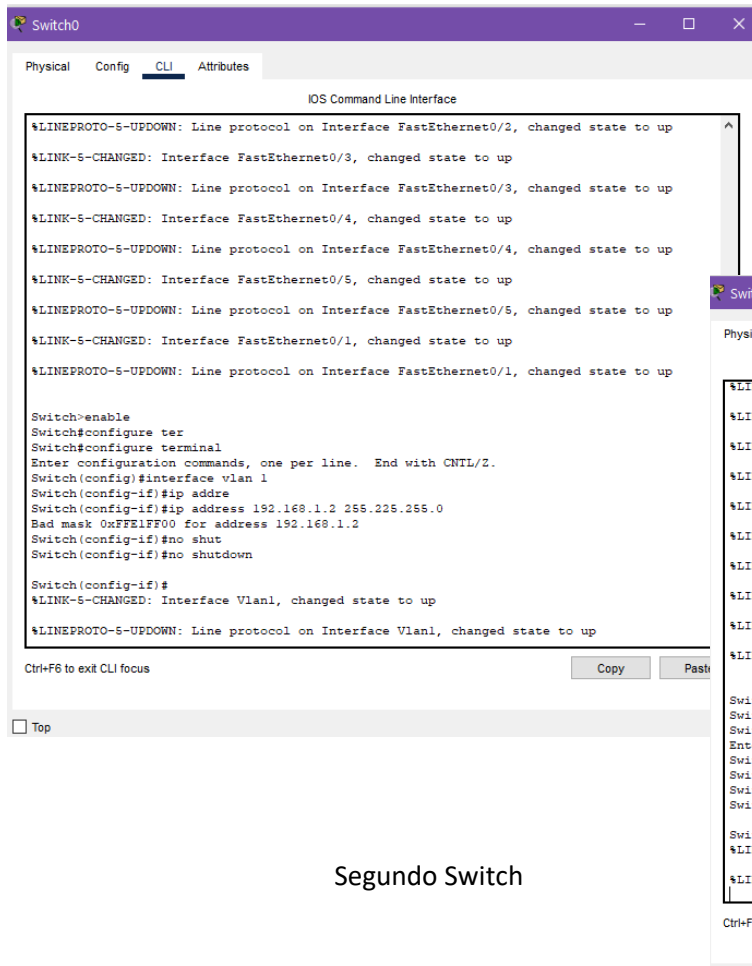


## 2- Creacion del DHCP y reservacion de IP del Router

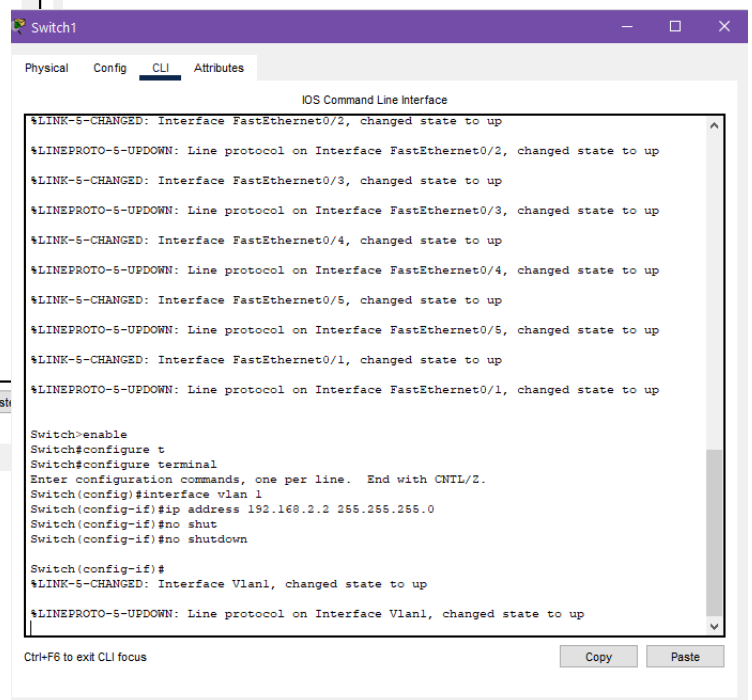


## 3- Configuracion de los Switch

### Establecimiento de las IP de los Switch



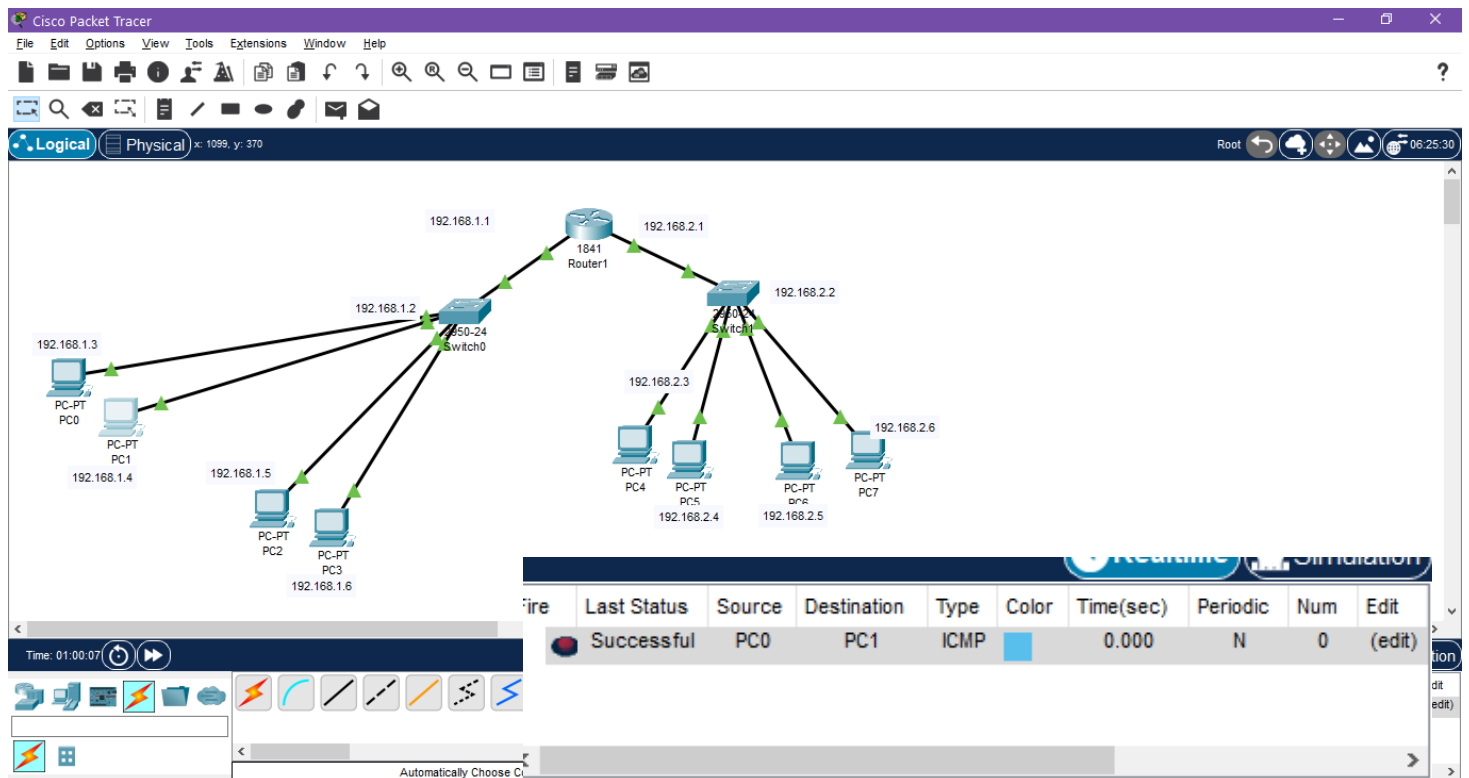
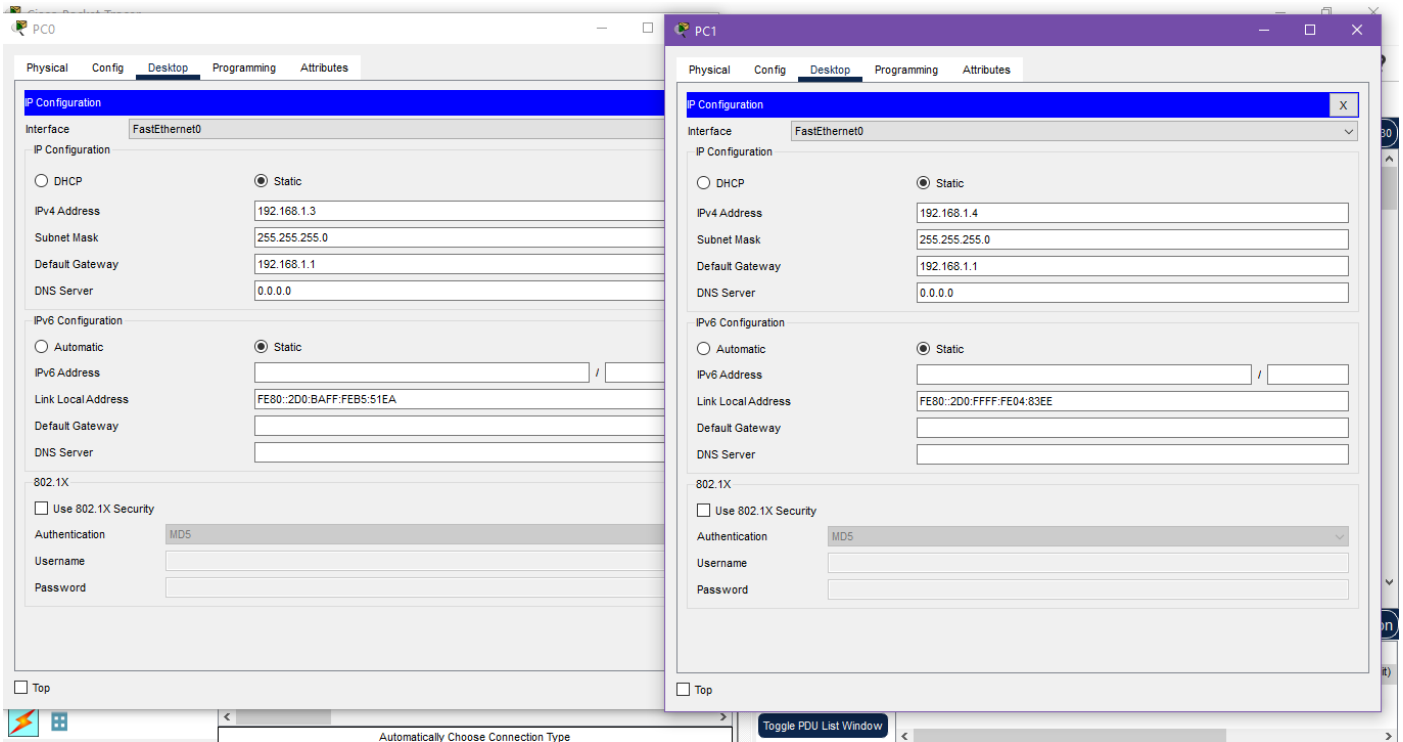
### Primer Switch



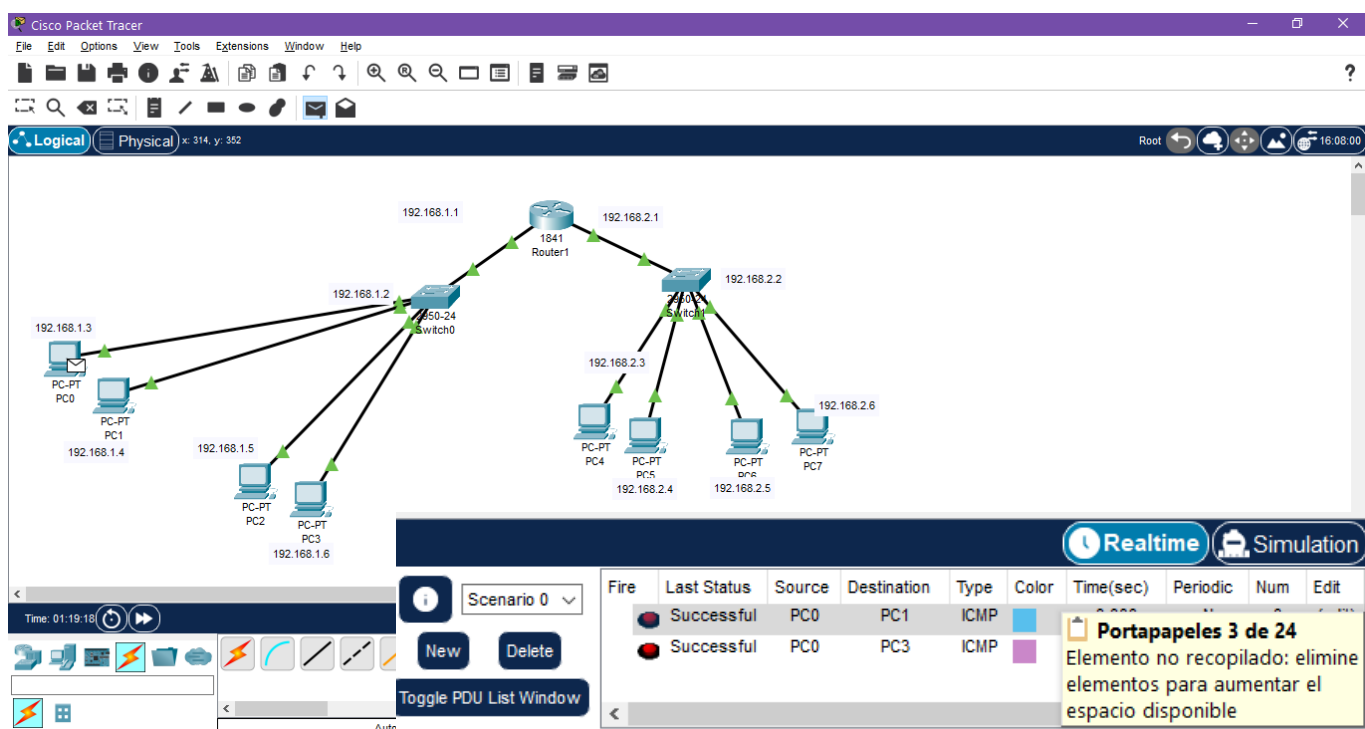
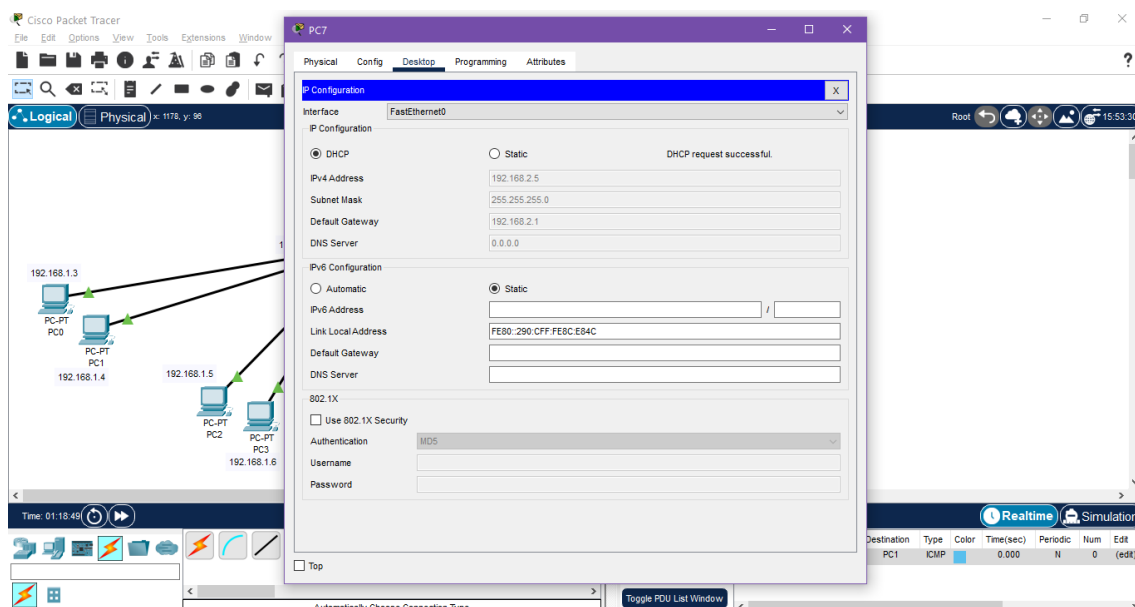
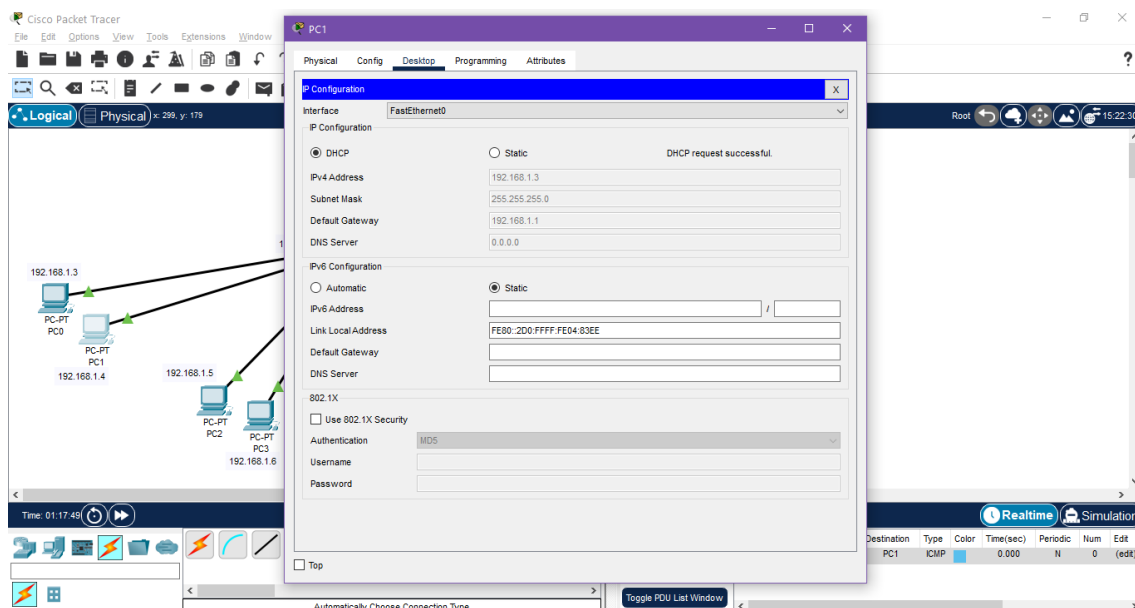
### Segundo Switch

#### 4- Configuración de algunas IP de forma estática

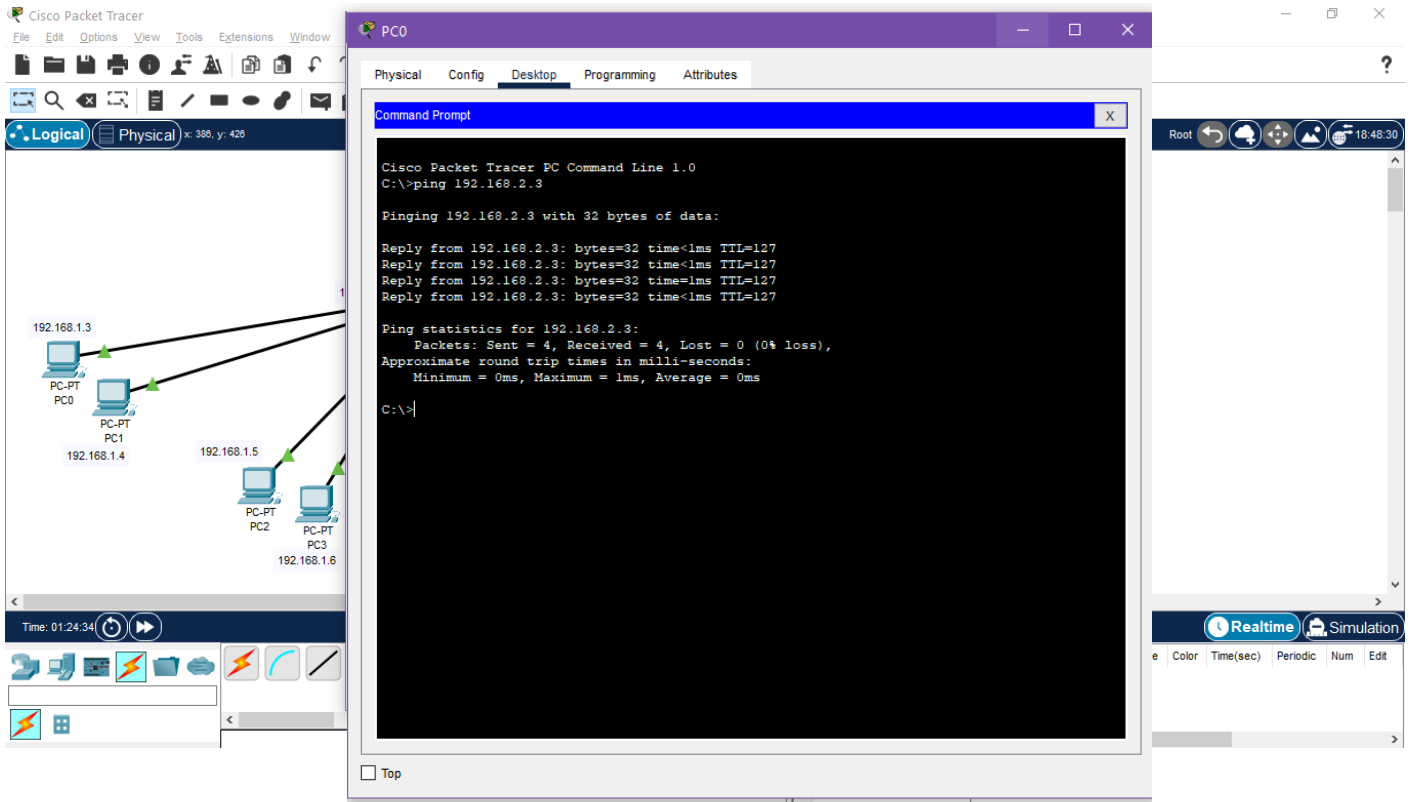
Estableciendo la IP de forma estática y probando su buen funcionamiento.



## 5- Utilizando el DHCP para configurar algunas computadoras y muestra de su funcionamiento



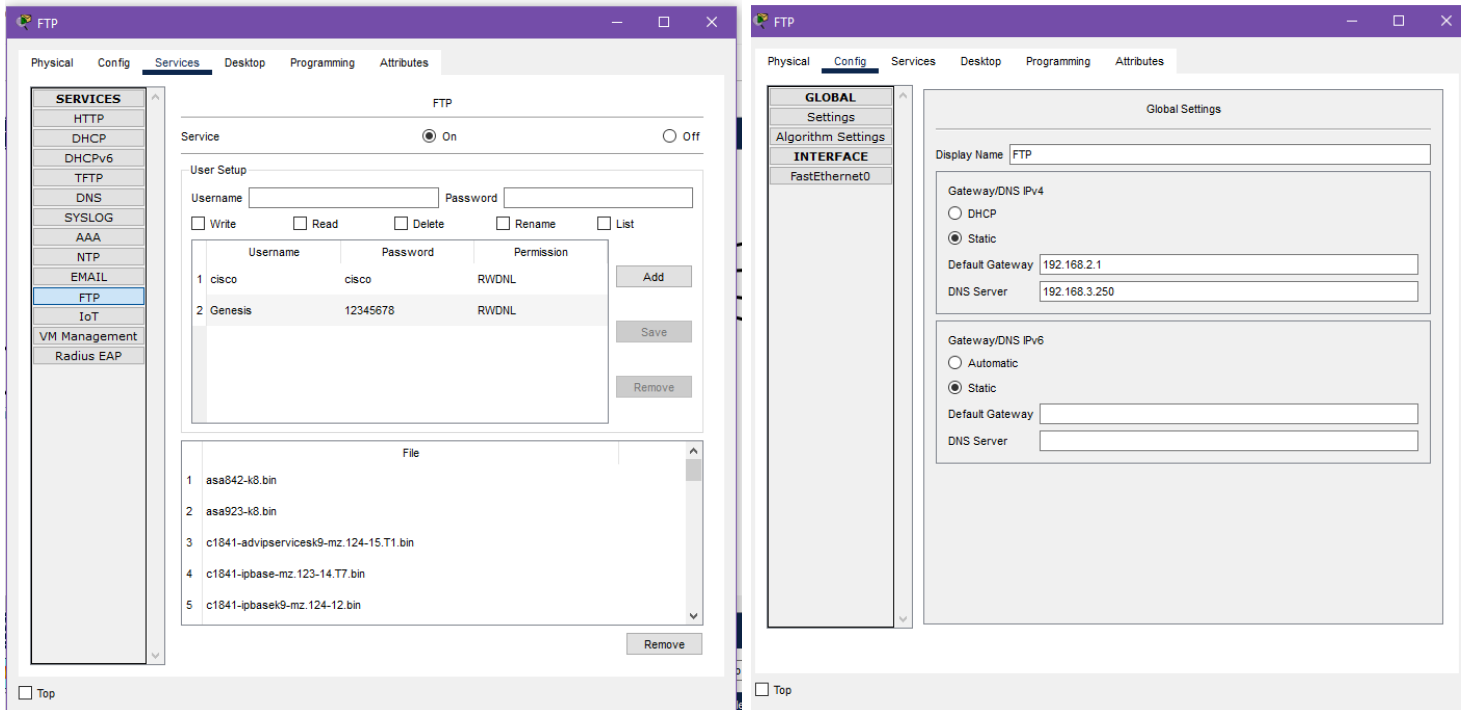
- DHCP enviando paquetes



## 6- Configuración del Servidor FTP

Solo servicios de FTP activos

IP y Puerto establecidos

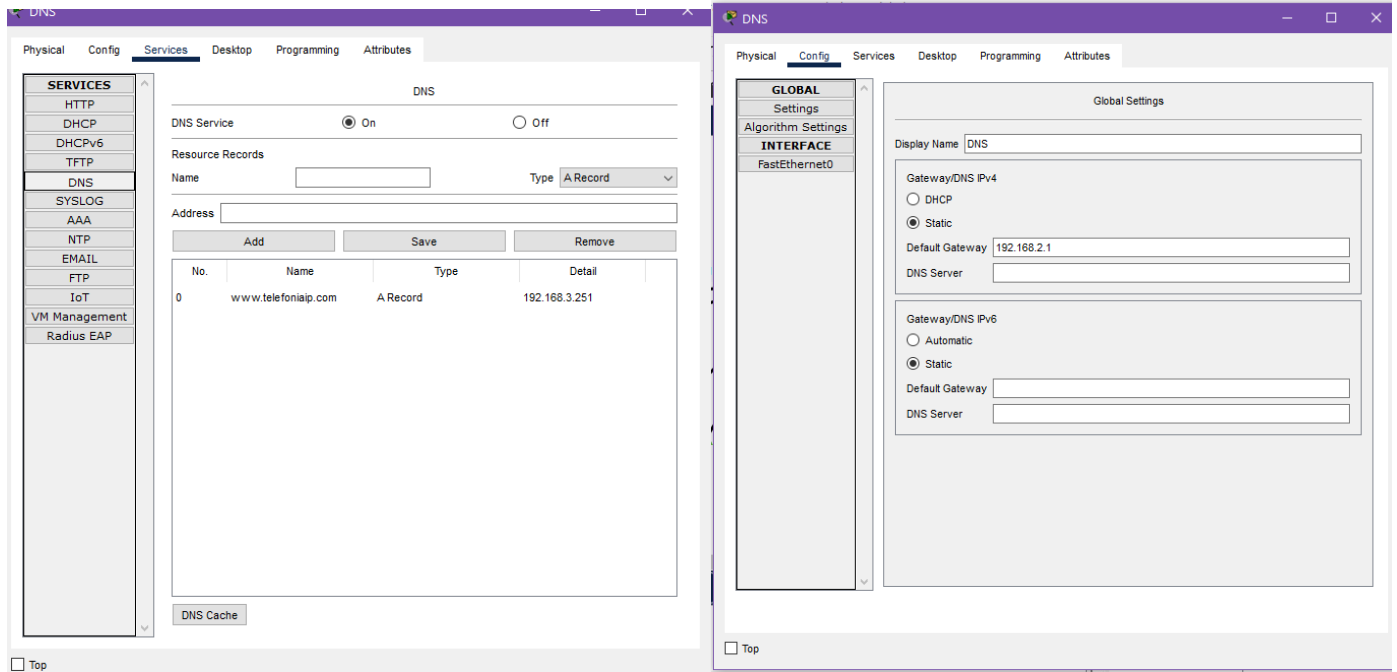




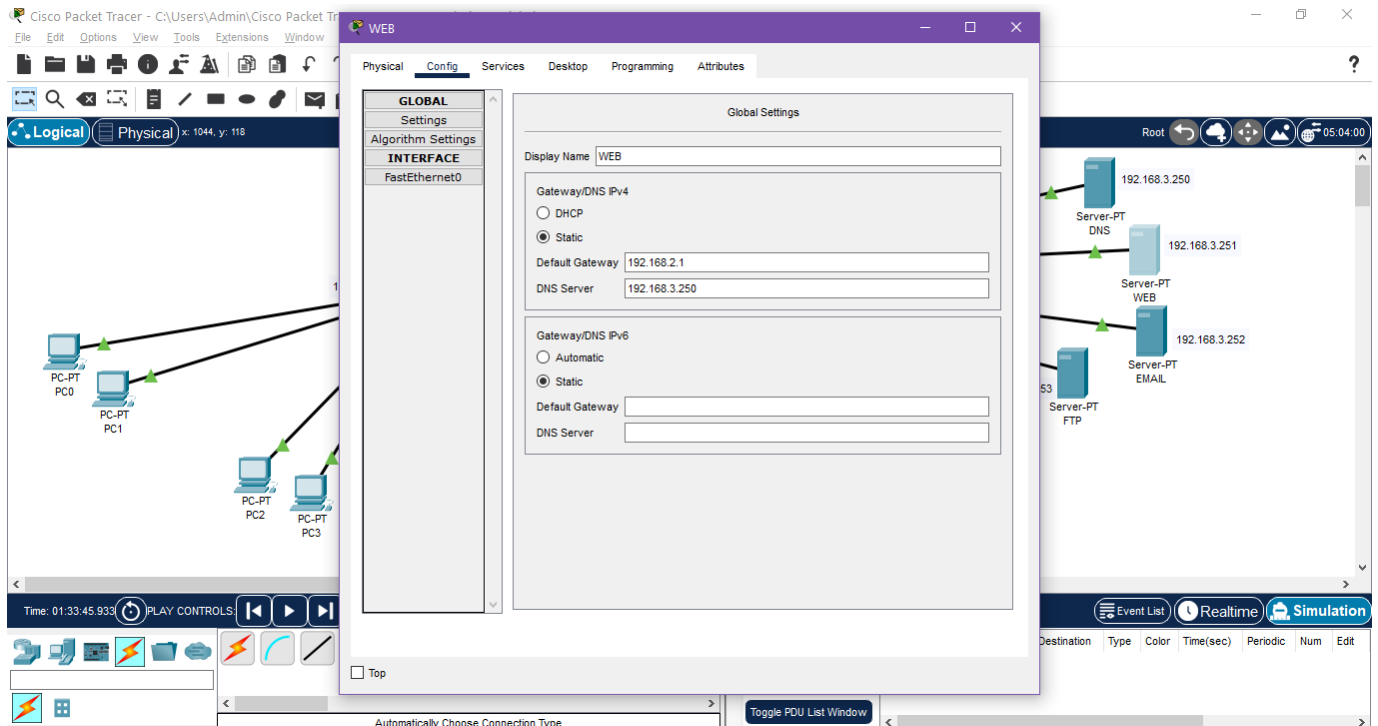
## 7- Configuración de Servidor DNS

Solo servicio de DNS activos

IP y Puerto establecidos



## 8- Configuración del Servidor WEB



## 9- Configuración del Servidor EMAIL

### Establecimiento de los usuarios

The screenshot shows the 'EMAIL' configuration window with the 'Services' tab selected. On the left, a list of services includes HTTP, DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL (highlighted), FTP, IoT, VM Management, and Radius EAP. The main area shows 'SMTP Service' and 'POP3 Service', both set to 'ON'. Below, 'Domain Name' is 'TelefoniaIP.com'. 'User Setup' shows 'User' as 'Genesis' and 'Password' as '12345678'. A list of users includes 'Genesis' and 'Juan'. Buttons for '+', '-', 'Change', and 'Password' are visible.

### Configuración de IP y Puertos

The screenshot shows the 'EMAIL' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section has 'Static' selected for both IPv4 and IPv6. IPv4 Address is '192.168.3.252', Subnet Mask is '255.255.255.0', Default Gateway is '192.168.2.1', and DNS Server is '192.168.2.250'. IPv6 Address is empty, Link Local Address is 'FE80::290:21FF:FEE9:1452', and DNS Server is empty. The '802.1X' section has 'Use 802.1X Security' unchecked, Authentication set to 'MD5', and Username and Password fields empty.

### - Entrando al Email mediante un usuario

The screenshot shows the 'EMAIL' configuration window with the 'Desktop' tab selected. The 'Configure Mail' dialog is open, showing 'User Information' with 'Your Name' as 'Genesis' and 'Email Address' as 'Genesis@TelefoniaIP.com'. 'Server Information' shows 'Incoming Mail Server' and 'Outgoing Mail Server' both as '192.168.3.252'. 'Logon Information' shows 'User Name' as 'Genesis' and 'Password' as '\*\*\*\*\*'. Buttons for 'Save', 'Remove', 'Clear', and 'Reset' are at the bottom.

The screenshot shows the 'EMAIL' configuration window with the 'Desktop' tab selected. The 'MAIL BROWSER' dialog is open, showing a table with columns 'From', 'Subject', and 'Received'. Below the table is a large empty area. At the bottom, a status bar shows 'Sending mail to Juan@TelefoniaIP.com, with subject: Carta ... Mail Server: 192.168.3.252 Send Success.' and buttons for 'Cancel' and 'Send/Receive'.



- Enviando un Email

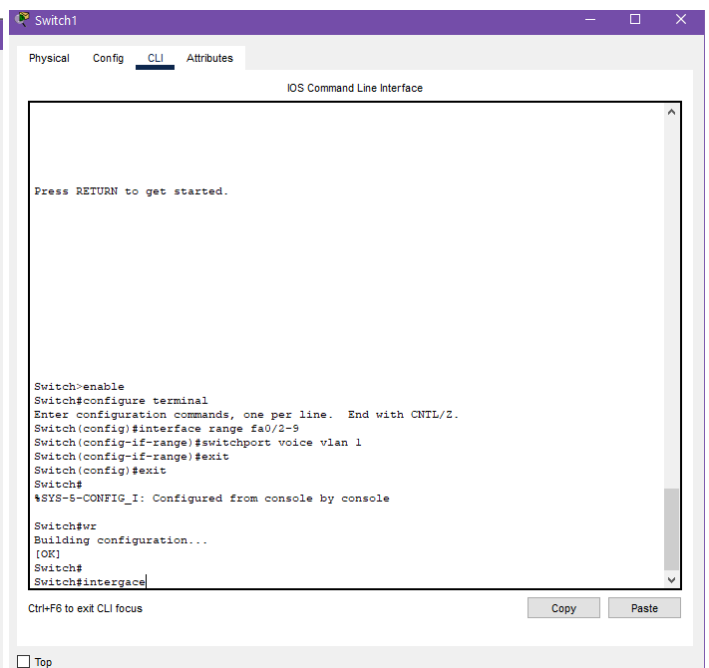
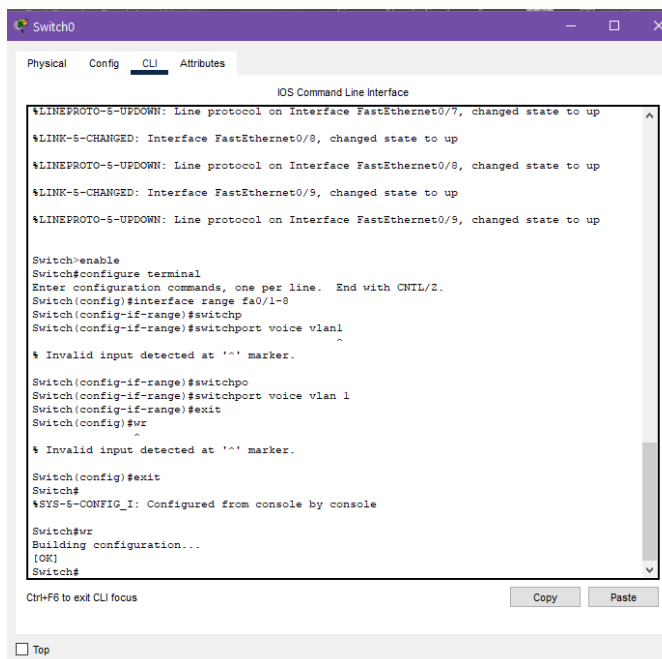
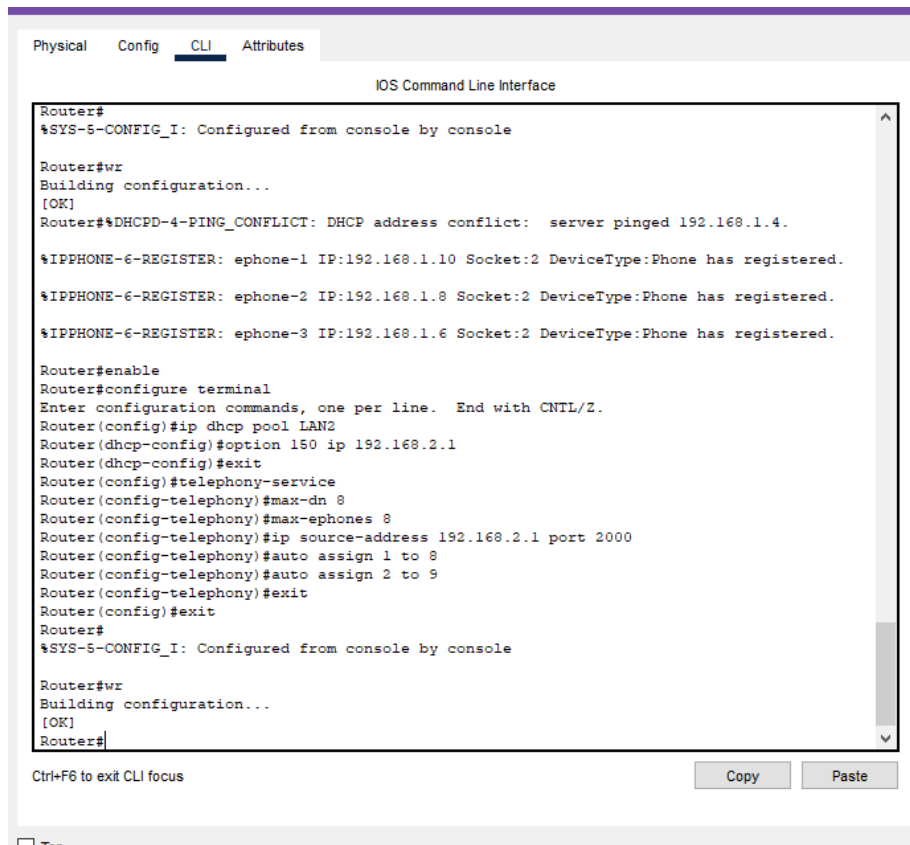
The screenshot shows the 'EMAIL' application window with the 'Desktop' tab selected. A 'Compose Mail' dialog box is open, featuring a 'Send' button and fields for 'To:' (Juan@Telefonial.com) and 'Subject:' (Carta). The email body contains the text 'Hola'. A 'Top' button is located at the bottom left of the dialog.

- email recibido

The screenshot shows the 'EMAIL' application window with the 'Desktop' tab selected. A 'Configure Mail' dialog box is open, displaying configuration details for a mail account. The dialog is divided into three sections: 'User Information' (Your Name: Juan, Email Address: Juan@TelefonialP.com), 'Server Information' (Incoming Mail Server: 192.168.3.252, Outgoing Mail Server: 192.168.3.252), and 'Logon Information' (User Name: Juan, Password: masked with dots). Buttons for 'Save', 'Remove', 'Clear', and 'Reset' are at the bottom. Below the dialog, a status bar displays the message 'Receiving mail from POP3 Server 192.168.3.252' and 'Receive Mail Success.' A large button labeled 'Cancel Send/Receive' is positioned to the right of the status message. A 'Top' button is at the bottom left.

## 10- Configuración y establecimiento de Telefonos

- Asignación de telefonos en Router y Switch



- Telefonos funcionando

