Router red wan

```
Router> enable
Router# configure terminal
Router (config)# Interface se2/0
Router (config-if)# Ip address (Ip del router) (mascara)
Router (config-if)# No shutdown
```

Hacer lo mismo para cada router

Router Enrutamiento o compartir redes

```
Router (config)# Route Rip
Router (config-router)# version 2
Router (config-router)# Network (red wan)
Router (config)# Do show Ip route
```

Server

```
Switch> enable
Switch# configure terminal
Switch (config)# interface range fa0/x-y
Switch (config-if-range)# switchport mode access
Switch (config-if-range)# switchport mode trunk
```

Hacer lo mismo para los clientes

VTP Server

```
Switch (config)# VTP mode Server
Switch (config)# VTP Domain Cisco
Switch (config)# VTP password 1234
```

VLAN server

```
Switch (config)# Vlan 10
Switch (config-vlan)# name pito
```

VTP Cliente

```
Switch (config)# VTP mode Client
Switch (config)# VTP Domain Cisco
Switch (config)# VTP password 1234
```

Asignar VLANS en los switches de clientes

```
Switch (config)# interface fa0/x
Switch (config-if)# Switchport mode access
Switch (config-if)# Switchport access Vlan 10
```

Repetir para cada Vlan

Comprobación

```
Switch (Config)# do show Vlan
Switch (Config)# do show run
Switch (Config)# do show VTP
```

Ruta estática

```
Router> Enable
Router# Configure Terminal
Router (Config)# Interface Fa0/x (puede ser Gig0)
Router (Config-if)# No Shutdown
```

Asignar Puerta de enlace a cada VLAN

```
Router (Config)# Interface Fa0/0.10
Router (Config-subif)# Encapsulation dot1q 10
Router (Config-subif)# Ip Address (P.E.) (mascara)
Router (Config-subif)# No shutdown
```

Repetir para cada VLAN

DHCP

```
Router>Enable
Router# Config terminal
Router (Config)# Ip DHCP pool VLAN
Router (DHCP-Config)# Network (Red de la VLAN) (Mascara)
Router (DHCP-Config)# Default-route (P.E)
Router (DHCP-Config)# DNS-server (Ip del server DNS)
Router (DHCP-Config)# Ip DHCP excluded-address (Ip a excluir)
```

Configurar Bloqueo de Puertos

```
Switch (Config)# Interface fa0/x
Switch (Config-if)# Switchport mode access
Switch (Config-if)# Switchport port-security
Switch (Config-if)# Switchport port-security Maximum x
Switch (Config-if)# Switchport port-security Violation shutdown
Switch (Config-if)# Switchport port-security mac-address sticky
```

Guardar en FTP

```
Router>Enable
Router# Copy Running-config TFTP:
Address or name of remote host []? (Ip del servidor FTP)
Destination filename [Router-confg]? (Nombre para guardar)
```

Traer la configuración de FTP

```
Router>Enable
Router# copy TFTP: Running-config
Address or name of remote host []? (Ip del servidor FTP)
Source filename []? (Nombre guardado)
```

Compartir con nube

```
Router (config)# interface se3/0
Router (config)# Encapsulation Frame-relay
```