**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 |