**VLAN INSTUCIONAL SIN SERVIDOR**

Switch>

Switch>enable

Switch#config ter

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

Switch(config)#vlan 10

Switch(config-vlan)#name ADMINISTRACION

Switch(config-vlan)#vlan 20

Switch(config-vlan)#name ECONOMIA

Switch(config-vlan)#vlan 30

Switch(config-vlan)#name PRESUPUESTO

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name SECRETARIA

Switch(config-vlan)#vlan 50

Switch(config-vlan)#name TESORERIA

Switch(config-vlan)#vlan 60

Switch(config-vlan)#name DOCENTE

Switch(config-vlan)#exit

Switch(config)#int rang fa0/1-13

Switch(config-if-range)#sw mode trunk

Switch(config-if-range)#exit

Switch(config)#exit

Switch#show vlan brief

Switch#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

Switch#exit

**El resto de los Swicth:**

Switch>enable

Switch#config ter

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

Switch(config)#vlan 10

Switch(config-vlan)#name ADMINISTRACION

Switch(config-vlan)#vlan 20

Switch(config-vlan)#name ECONOMIA

Switch(config-vlan)#vlan 30

Switch(config-vlan)#name PRESUPUESTO

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name SECRETARIA

Switch(config-vlan)#vlan 50

Switch(config-vlan)#name TESORERIA

Switch(config-vlan)#vlan 60

Switch(config-vlan)#name DOCENTE

Switch(config-vlan)#exit

Switch(config)#int rang fa0/1-3

Switch(config-if-range)#sw mode access

Switch(config-if-range)#sw access VLAN 10

Switch(config-if-range)#int rang fa0/4-6

Switch(config-if-range)#sw mode access

Switch(config-if-range)#sw access VLAN 20

Switch(config-if-range)#int rang fa0/7-9

Switch(config-if-range)#sw mode access

Switch(config-if-range)#sw access VLAN 30

Switch(config-if-range)#int rang fa0/10-12

Switch(config-if-range)#sw mode access

Switch(config-if-range)#sw access VLAN 40

Switch(config-if-range)#int rang fa0/13-15

Switch(config-if-range)#sw mode access

Switch(config-if-range)#sw access VLAN 50

Switch(config-if-range)#int rang fa0/16-23

Switch(config-if-range)#sw mode access

Switch(config-if-range)#sw access VLAN 60

Switch(config-if-range)#exit

Switch(config)#int fa0/24

Switch(config-if)#sw mode trunk

Switch(config-if)#exit

Switch(config)#exit

Switch#

%SYS-5-CONFIG\_I: Configured from console by console

Switch#sh vlan brief

Switch#copy running-config startup-config

**Router:**

Router>enable

Router#config ter

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

Router(config)#int fa0/0.1

Router(config-subif)#encapsulation dot1q 10

Router(config-subif)#ip address 192.168.10.1 255.255.255.0

Router(config-subif)#exit

Router(config)#int fa0/0.2

Router(config-subif)#encapsulation dot1q 20

Router(config-subif)#ip address 192.168.20.1 255.255.255.0

Router(config-subif)#exit

Router(config)#int fa0/0.3

Router(config-subif)#encapsulation dot1q 30

Router(config-subif)#ip address 192.168.30.1 255.255.255.0

Router(config-subif)#exit

Router(config)#int fa0/0.4

Router(config-subif)#encapsulation dot1q 40

Router(config-subif)#ip address 192.168.40.1 255.255.255.0

Router(config-subif)#exit

Router(config)#int fa0/0.5

Router(config-subif)#encapsulation dot1q 50

Router(config-subif)#ip address 192.168.50.1 255.255.255.0

Router(config-subif)#exit

Router(config)#int fa0/0.6

Router(config-subif)#encapsulation dot1q 60

Router(config-subif)#ip address 192.168.60.1 255.255.255.0

Router(config-subif)#exit

Router(config)#int fa0/0

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)#exit

Router#

%SYS-5-CONFIG\_I: Configured from console by console

Router#copy running-config startup-config

PARA SERVIDOR

Router#conf ter

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

Router(config)#int fa0/1

Router(config-if)#ip address 192.168.100.1 255.255.255.0

Router(config-if)#exit

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

Router(config-if)#exit

Router(config)#ip dhcp pool ADMINISTRACION

Router(dhcp-config)#network 192.168.10.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.10.1

Router(dhcp-config)#dns-server 192.168.100.254

Router(dhcp-config)#exit

Router(config)#ip dhcp pool ECONOMIA

Router(dhcp-config)#network 192.168.20.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.20.1

Router(dhcp-config)#dns-server 192.168.100.254

Router(dhcp-config)#exit

Router(config)#ip dhcp pool PRESUPUESTO

Router(dhcp-config)#network 192.168.30.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.30.1

Router(dhcp-config)#dns-server 192.168.100.254

Router(dhcp-config)#EXIT

Router(config)#ip dhcp pool SECRETARIA

Router(dhcp-config)#network 192.168.40.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.40.1

Router(dhcp-config)#dns-server 192.168.100.254

Router(dhcp-config)#EXIT

Router(config)#ip dhcp pool TESORERIA

Router(dhcp-config)#network 192.168.50.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.50.1

Router(dhcp-config)#dns-server 192.168.100.254

Router(dhcp-config)#EXIT

Router(config)#ip dhcp pool DOCENTE

Router(dhcp-config)#network 192.168.60.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.60.1

Router(dhcp-config)#dns-server 192.168.100.254

Router(dhcp-config)#EXIT

Router(config)#EXIT

Router#

%SYS-5-CONFIG\_I: Configured from console by console

Router#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

Router#exit