Router on a Stick Cisco 1841

If the router doesnt have an expansion modules of interfaces such as HWIC-4ESW, we need to go this way due to the 2 FastEthernet integrated ports dont suport Trunk and also it meens no VTP.

We need Inter-VLAN routing between clients of the vlans.

Switch Vlans

```
VLAN Name                             Status    Ports
---- -------------------------------- --------- -------------------------------
1    default                          active    Fa0/24
11   redA                             active    Fa0/1, Fa0/2, Fa0/3, Fa0/4
                                                Fa0/5, Fa0/6, Fa0/7, Fa0/8
                                                Fa0/9, Fa0/10
22   redB                             active    Fa0/11, Fa0/12, Fa0/13, Fa0/14
                                                Fa0/15, Fa0/16, Fa0/17, Fa0/18
                                                Fa0/19, Fa0/20
99   administracion                   active    Fa0/23
100  servidores                       active    Fa0/21, Fa0/22
1002 fddi-default                     active
1003 token-ring-default               active
1004 fddinet-default                  active
1005 trnet-default                    active
```

Router config

We are going to set up the subinterfaces

```
RouterLab2(config)# int FastEthernet 0/0.11        # 11 because is the vlan 11
(optional) you could put other number
RouterLab2(config-subif)#encapsulation dot1Q 11       # 11 because is the vlan 11
(¡Important!) Here no
RouterLab2(config-subif)#ip address 192.168.11.1 255.255.255.0
```

Repeat the process whit the other vlans

Finally execute the following commands to power on the interface

```
RouterLab2(config)# int FastEthernet 0/0
RouterLab2(config-if)#no shutdown
```