Link al repositorio de github:

<https://github.com/Daniel-Alcazar/Conmutadores-Y-Redes-Inal-mbricas.git>

Configuración del Switch y Router:

----------------------------------------------Switch01\_DAPA----------------------------------------------

Switch>ena

Switch#conf t

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

Switch(config)#hostname Switch01\_DAPA

Switch01\_DAPA(config)#vlan 10

Switch01\_DAPA(config-vlan)#name VLAN10

Switch01\_DAPA(config-vlan)#exit

Switch01\_DAPA(config)#vlan 20

Switch01\_DAPA(config-vlan)#name VLAN20

Switch01\_DAPA(config-vlan)#exit

Switch01\_DAPA(config)#vlan 30

Switch01\_DAPA(config-vlan)#name VLAN30

Switch01\_DAPA(config-vlan)#exit

Switch01\_DAPA(config)#exit

Switch01\_DAPA#

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

Switch01\_DAPA#wr

Building configuration...

[OK]

Switch01\_DAPA#conf t

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

Switch01\_DAPA(config)#interface range fa0/1-2

Switch01\_DAPA(config-if-range)#switchport mode access

Switch01\_DAPA(config-if-range)#switchport access vlan 10

Switch01\_DAPA(config-if-range)#exit

Switch01\_DAPA(config)#interface range fa0/3-4

Switch01\_DAPA(config-if-range)#switchport mode access

Switch01\_DAPA(config-if-range)#switchport access vlan 20

Switch01\_DAPA(config-if-range)#exit

Switch01\_DAPA(config)#interface range fa0/5-6

Switch01\_DAPA(config-if-range)#switchport mode access

Switch01\_DAPA(config-if-range)#switchport access vlan 30

Switch01\_DAPA(config-if-range)#exit

Switch01\_DAPA(config)#do wr

Building configuration...

[OK]

Switch01\_DAPA(config)#interface vlan 10

Switch01\_DAPA(config-if)#

%LINK-5-CHANGED: Interface Vlan10, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan10, changed state to up

Switch01\_DAPA(config-if)#ip address 192.168.72.1 255.255.255.0

Switch01\_DAPA(config-if)#no shutdown

Switch01\_DAPA(config-if)#exit

Switch01\_DAPA(config)#interface vlan 20

Switch01\_DAPA(config-if)#

%LINK-5-CHANGED: Interface Vlan20, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan20, changed state to up

Switch01\_DAPA(config-if)#ip address 192.168.73.1 255.255.255.0

Switch01\_DAPA(config-if)#no shutdown

Switch01\_DAPA(config-if)#exit

Switch01\_DAPA(config)#interface vlan 30

Switch01\_DAPA(config-if)#

%LINK-5-CHANGED: Interface Vlan30, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan30, changed state to up

Switch01\_DAPA(config-if)#ip address 192.168.74.1 255.255.255.0

Switch01\_DAPA(config-if)#no shutdown

Switch01\_DAPA(config-if)#exit

Switch01\_DAPA(config)#exit

Switch01\_DAPA#

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

Switch01\_DAPA#wr

Building configuration...

[OK]

Switch01\_DAPA#conf t

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

Switch01\_DAPA(config)#ip dhcp pool VLAN10

Switch01\_DAPA(dhcp-config)#network 192.168.72.0 255.255.255.0

Switch01\_DAPA(dhcp-config)#default-router 192.168.72.1

Switch01\_DAPA(dhcp-config)#dns-server 8.8.8.8

Switch01\_DAPA(dhcp-config)#exit

Switch01\_DAPA(config)#ip dhcp pool VLAN20

Switch01\_DAPA(dhcp-config)#network 192.168.73.0 255.255.255.0

Switch01\_DAPA(dhcp-config)#default-router 192.168.73.1

Switch01\_DAPA(dhcp-config)#dns-server 8.8.8.8

Switch01\_DAPA(dhcp-config)#exit

Switch01\_DAPA(config)#ip dhcp pool VLAN30

Switch01\_DAPA(dhcp-config)#network 192.168.74.0 255.255.255.0

Switch01\_DAPA(dhcp-config)#default-router 192.168.74.1

Switch01\_DAPA(dhcp-config)#dns-server 8.8.8.8

Switch01\_DAPA(dhcp-config)#exit

Switch01\_DAPA(config)#interface gigabit

Switch01\_DAPA(config)#interface gigabitEthernet 0/1

Switch01\_DAPA(config-if)#switchport mode trunk

Switch01\_DAPA(config-if)#exit

Switch01\_DAPA(config)#exit

Switch01\_DAPA#

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

Switch01\_DAPA#wr

Building configuration...

[OK]

Switch01\_DAPA#

----------------------------------------------Router01\_DAPA----------------------------------------------

Router>ena

Router#conf t

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

Router(config)#hostname Router01\_DAPA

Router01\_DAPA(config)#interface giga

Router01\_DAPA(config)#interface gigabitEthernet 0/0

Router01\_DAPA(config-if)#interface giga

Router01\_DAPA(config-if)#interface gigabitEthernet 0/0.10

Router01\_DAPA(config-subif)#encapsulation dot1Q 10

Router01\_DAPA(config-subif)#ip address 192.168.72.1 255.255.255.0

Router01\_DAPA(config-subif)#exit

Router01\_DAPA(config)#interface gigabitEthernet 0/0.20

Router01\_DAPA(config-subif)#encapsulation dot1Q 20

Router01\_DAPA(config-subif)#ip address 192.168.73.1 255.255.255.0

Router01\_DAPA(config-subif)#exit

Router01\_DAPA(config)#interface gigabitEthernet 0/0.30

Router01\_DAPA(config-subif)#encapsulation dot1Q 30

Router01\_DAPA(config-subif)#ip address 192.168.74.1 255.255.255.0

Router01\_DAPA(config-subif)#exit

Router01\_DAPA(config)#do wr

Building configuration...

[OK]

Router01\_DAPA(config)#interface gigab

Router01\_DAPA(config)#interface gigabitEthernet 0/0

Router01\_DAPA(config-if)#no sh

Router01\_DAPA(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

Router01\_DAPA(config-if)#end

Router01\_DAPA#

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

Router01\_DAPA#wr

Building configuration...

[OK]

Router01\_DAPA#