**\*\*\* Switch S1 \*\*\***

**ena**

**config t**

**hostname S1**

**no ip domain-lookup**

**service password-encryption**

**enable secret class**

**banner motd # Unauthorized access is strictly prohibited.#**

**line con 0**

**password cisco**

**login**

**logging synchronous**

**line vty 0 15**

**password cisco**

**login**

**exit**

**int vlan 1**

**description VLAN Administrativa**

**ip address 192.168.1.11 255.255.255.0**

**no shut**

**ip default-gateway 192.168.1.1**

**int range f0/2-3, f0/7-24, g0/1-2**

**shut**

**!--- Configuración de VLANs ---**

**vlan 10**

**name Estudiantes**

**exit**

**vlan 20**

**name Facultad**

**exit**

**interface F0/4**

**switchport mode access**

**switchport access vlan 10**

**interface F0/6**

**switchport mode access**

**switchport access vlan 20**

**interface F0/1**

**switchport mode trunk**

**no shut**

**interface F0/5**

**switchport mode trunk**

**no shut**

**\*\*\* Switch S2 \*\*\***

**ena**

**config t**

**hostname S2**

**no ip domain-lookup**

**service password-encryption**

**enable secret class**

**banner motd #Unauthorized access is strictly prohibited.#**

**line con 0**

**password cisco**

**login**

**logging synchronous**

**line vty 0 15**

**password cisco**

**login**

**exit**

**int vlan 1**

**description VLAN Administrativa**

**ip address 192.168.1.12 255.255.255.0**

**no shut**

**ip default-gateway 192.168.1.1**

**int range f0/2-15, f0/17, f0/19-24, g0/1-2**

**shut**

**!--- Configuración de VLANs ---**

**vlan 10**

**name Estudiantes**

**exit**

**vlan 20**

**name Facultad**

**exit**

**interface F0/16**

**switchport mode access**

**switchport access vlan 10**

**interface F0/18**

**switchport mode access**

**switchport access vlan 20**

**interface F0/1**

**switchport mode trunk**

**no shut**

**\*\*\* Router R1 \*\*\***

**ena**

**config t**

**hostname R1**

**no ip domain-lookup**

**service password-encryption**

**enable secret class**

**banner motd #Unauthorized access is strictly prohibited.#**

**line con 0**

**password cisco**

**login**

**logging synchronous**

**line vty 0 4**

**password cisco**

**login**

**int Lo0**

**ip address 209.165.200.225 255.255.255.224**

**! Sección para crear las subinterfaces asociadas a cada VLAN**

**int g0/1.1**

**description VLAN 1**

**encapsulation dot1q 1**

**ip address 192.168.1.1 255.255.255.0**

**int g0/1.10**

**description VLAN Estudiantes**

**encapsulation dot1q 10**

**ip add 192.168.10.1 255.255.255.0**

**int g0/1.20**

**description VLAN Facultad**

**encapsulation dot1q 20**

**ip add 192.168.20.1 255.255.255.0**

**int g0/1**

**no shut**