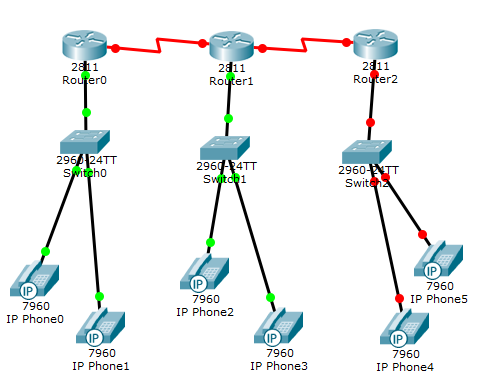
****

**R1(config)#ip dhcp excluded-address 192.168.0.1 192.168.0.10   
R1(config)#ip dhcp pool voice\_1  
R1(dhcp-config)#default-router 192.168.0.1  
R1(dhcp-config)#option 150 ip 192.168.0.1  
R1(dhcp-config)#network 192.168.0.0 255.255.255.0  
R1(config)#telephony-service   
R1(config-telephony)#max-dn 4  
R1(config-telephony)#max-ephone 4  
R1(config-telephony)#ip source-address 192.168.0.1 port 2000  
R1(config-telephony)#auto assign 1 to 4  
R1(config-telephony)#exit  
R1(config)#ephone-dn 1  
R1(config-ephone-dn)#number 1001  
R1(config-ephone-dn)#exit  
R1(config)#ephone-dn 2  
R1(config-ephone-dn)#number 2  
R1(config-ephone-dn)#exit  
R1(config)#inter fast 0/0  
R1(config-if)#ip add 192.168.0.1 255.255.255.0  
R1(config-if)#no shut  
R1(config)#interface serial 0/0/0  
R1(config-if)#ip add 10.0.0.1 255.255.255.252  
R1(config-if)#no shut  
R1(config)#ip route 10.0.1.0 255.255.255.252 10.0.0.2**

**S1(config)#interface fastethernet 0/1  
S1(config-if)#switchport mode trunk  
S1(config-if)#exit  
S1(config)#interface range fastethernet 0/2-10  
S1(config-if-range)#switchport voice vlan 1  
S1(config-if-range)#spanning-tree portfast  
S1(config-if-range)#exit**

**R2(config)#ip dhcp excluded-address 192.168.1.1 192.168.1.10  
R2(config)#ip dhcp pool voice\_2  
R2(dhcp-config)#default-router 192.168.1.1  
R2(dhcp-config)#option 150 ip 192.168.1.1  
R2(dhcp-config)#network 192.168.1.0 255.255.255.0  
R2(dhcp-config)#exit  
R2(config)#interface fastethernet 0/0  
R2(config-if)#ip address 192.168.1.1 255.255.255.0  
R2(config-if)#no shutdown  
R2(config-if)#exit  
R2(config)#telephony-service  
R2(config-telephony)#max-dn 4  
R2(config-telephony)#max-ephone 4  
R2(config-telephony)#ip source-address 192.168.1.1 port 2000  
R2(config-telephony)#auto assign 1 to 4  
R2(config)#ephone-dn 1  
R2(config-ephone-dn)#number 2001  
R2(config)#ephone-dn 2  
R2(config-ephone-dn)#number 2002  
R2(config-ephone-dn)#exit  
R2(config)#interface serial 0/0/0  
R2(config-if)#ip address 10.0.0.2 255.255.255.252  
R2(config-if)#no shut  
R2(config-if)#exit  
R2(config)#interface serial 0/0/1  
R2(config-if)#ip address 10.0.1.1 255.255.255.252  
R2(config-if)#clock rate 64000  
R2(config-if)#no shutdown**

**S2(config)#interface fast 0/1  
S2(config-if)#switchport mode trunk  
S2(config-if)#exit  
S2(config)#interface range fastethernet 0/2-10  
S2(config-if-range)#switchport voice vlan 1  
S2(config-if-range)#spanning-tree portfast**

**R3(config)#ip dhcp excluded-address 192.168.2.1 192.168.2.10  
R3(config)#ip dhcp pool voice\_3  
R3(dhcp-config)#default-router 192.168.2.1  
R3(dhcp-config)#option 150 ip 192.168.2.1  
R3(dhcp-config)#network 192.168.2.0 255.255.255.0  
R3(dhcp-config)#exit  
R3(config)#interface fastethernet 0/0  
R3(config-if)#ip address 192.168.2.1 255.255.255.0  
R3(config-if)#no shut  
R3(config-if)#exit  
R3(config)#telephony-service  
R3(config-telephony)#max-dn 4  
R3(config-telephony)#max-ephone 4  
R3(config-telephony)#ip source-address 192.168.2.1 port 2000  
R3(config-telephony)#auto assign 1 to 4  
R3(config-telephony)#exit  
R3(config)#ephone-dn 1  
R3(config-ephone-dn)#number 3001  
R3(config-ephone-dn)#ephone-dn 2  
R3(config-ephone-dn)#number 3002  
R3(config-ephone-dn)#exit  
R3(config)#interface serial 0/0/1  
R3(config-if)#ip address 10.0.1.2 255.255.255.252  
R3(config-if)#no shutdown  
R3(config)#ip route 10.0.0.0 255.255.255.252 10.0.1.1**

**Configurar dial-peers para permitir esta comunicación. Es decir los teléfonos de R1 con R2 y R3**

**R1(config)#dial-peer voice 2000 voip**

**R1(config-dial-peer)#destination-pattern 200.**

**R1(config-dial-peer)#session target ipv4:10.0.0.2**

**R2(config)#dial-peer voice 1000 voip   
R2(config-dial-peer)#des  
R2(config-dial-peer)#destination-pattern 100.  
R2(config-dial-peer)#session target ipv4:10.0.0.1**

**R2(config)#dial-peer voice 3000 voip  
R2(config-dial-peer)#destination-pattern 300.  
R2(config-dial-peer)#session target ipv4:10.0.1.2  
R2(config-dial-peer)#exit**

**R3(config)#dial-peer voice 2000 voip**

**R3(config-dial-peer)#destination-pattern 200.  
R3(config-dial-peer)#session target ipv4:10.0.1.1**

**R1(config)#dial-peer voice 3000 voip  
R1(config-dial-peer)#destination-pattern 300.**

**R1(config-dial-peer)#session target ipv4:10.0.1.2**

**R3(config)#dial-peer voice 1000 voip  
R3(config-dial-peer)#destination-pattern 100.**

**R3(config-dial-peer)#session target ipv4:10.0.0.1**