**Router Configuration**

ip dhcp excluded-address 192.168.1.1 192.168.1.10

ip dhcp excluded-address 172.16.1.1 172.16.1.10

ip dhcp excluded-address 192.168.2.1 192.168.2.10

ip dhcp excluded-address 192.168.1.1

ip dhcp excluded-address 192.168.3.1 192.168.3.10

ip dhcp excluded-address 192.168.4.1 192.168.4.10

ip dhcp excluded-address 192.168.8.1 192.168.8.10

ip dhcp excluded-address 192.168.9.1 192.168.9.10

ip dhcp excluded-address 192.168.10.1 192.168.10.10

ip dhcp excluded-address 192.168.5.1 192.168.5.10

ip dhcp excluded-address 192.168.7.1 192.168.7.10

ip dhcp excluded-address 192.168.6.1 192.168.6.10

ip dhcp excluded-address 172.16.2.1 172.16.2.10

ip dhcp excluded-address 172.16.3.1 172.16.3.10

ip dhcp excluded-address 172.16.4.1 172.16.4.10

ip dhcp excluded-address 172.16.5.1 172.16.5.10

ip dhcp excluded-address 172.16.6.1 172.16.6.10

ip dhcp excluded-address 172.16.7.1 172.16.7.10

!

ip dhcp pool 192

network 192.168.1.0 255.255.255.0

default-router 192.168.1.1

dns-server 8.8.8.8

ip dhcp pool 172

network 172.16.0.0 255.255.255.0

default-router 172.16.1.1

dns-server 8.8.8.8

ip dhcp pool it

network 172.16.2.0 255.255.255.0

default-router 172.16.2.1

dns-server 8.8.8.8

ip dhcp pool MY\_POOL

network 192.168.1.0 255.255.255.0

default-router 192.168.1.1

dns-server 8.8.8.8

ip dhcp pool internet

network 192.168.3.0 255.255.255.0

default-router 192.168.3.1

dns-server 8.8.8.8

ip dhcp pool maneger

network 192.168.4.0 255.255.255.0

default-router 192.168.4.1

dns-server 8.8.8.8

ip dhcp pool internet1

network 192.168.8.0 255.255.255.0

default-router 192.168.8.1

dns-server 8.8.8.8

ip dhcp pool is

network 172.16.5.0 255.255.255.0

default-router 172.16.5.1

dns-server 8.8.8.8

ip dhcp pool sales

network 172.16.6.0 255.255.255.0

default-router 172.16.6.1

dns-server 8.8.8.8

ip dhcp pool HR

network 192.168.7.0 255.255.255.0

default-router 192.168.7.1

dns-server 8.8.8.8

ip dhcp pool cs

network 172.16.7.0 255.255.255.0

default-router 172.16.7.1

dns-server 8.8.8.8

ip dhcp pool internet2

network 172.16.3.0 255.255.255.0

default-router 172.16.3.1

dns-server 8.8.8.8

ip dhcp pool hr

network 172.16.4.0 255.255.255.0

default-router 172.16.4.1

dns-server 8.8.8.8

ip dhcp pool 9

network 192.168.9.0 255.255.255.0

default-router 192.168.9.1

dns-server 8.8.8.8

ip dhcp pool 5

network 192.168.5.0 255.255.255.0

default-router 192.168.5.1

dns-server 8.8.8.8

ip dhcp pool 6

network 192.168.6.0 255.255.255.0

default-router 192.168.6.1

dns-server 8.8.8.8

nterface GigabitEthernet0/0

ip address 192.168.1.1 255.255.255.0

duplex auto

speed auto

!

interface GigabitEthernet0/0.1

line con 0

password cisco123

login

!

line aux 0

!

line vty 0 4

password cisco12345

login

line vty 5 9

password cisco12345

login

**Switch 0 configuration**

interface FastEthernet0/1

switchport trunk native vlan 100

switchport trunk allowed vlan 1,10,20,30,40,50,60,80,100,150

switchport mode trunk

!

interface FastEthernet0/2

switchport access vlan 20

switchport mode access

!

interface FastEthernet0/3

switchport access vlan 80

switchport mode access

!

interface FastEthernet0/4

switchport access vlan 80

switchport mode access

!

interface FastEthernet0/5

switchport access vlan 40

switchport mode access

switchport voice vlan 150

!

interface FastEthernet0/6

switchport access vlan 80

switchport mode access

!

interface FastEthernet0/7

switchport access vlan 10

switchport mode access

!

interface FastEthernet0/8

switchport access vlan 60

switchport mode access

!

interface FastEthernet0/9

switchport access vlan 30

switchport mode access

!

interface FastEthernet0/10

switchport access vlan 50

switchport mode access

!

**Switch 1 configuration**

interface FastEthernet0/1

switchport trunk native vlan 100

switchport trunk allowed vlan 10,20,30,40,50,80,100,150

switchport mode trunk

!

interface FastEthernet0/2

switchport access vlan 10

switchport mode access

!

interface FastEthernet0/3

switchport access vlan 80

switchport mode access

!

interface FastEthernet0/4

switchport access vlan 40

switchport mode access

switchport voice vlan 150

!

interface FastEthernet0/5

switchport access vlan 80

switchport mode access

!

interface FastEthernet0/6

switchport access vlan 30

switchport mode access

!

interface FastEthernet0/7

switchport access vlan 20

switchport mode access

!

interface FastEthernet0/8

switchport access vlan 50

switchport mode access

!