Commands

DHCP

Router(config)#int fa0/0

Router(config-if)#ip address 192.168.0.1 255.255.255.0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#do write memory

Building configuration...

[OK]

Router(config-if)#ip dhcp pool net1

Router(dhcp-config)#network 192.168.0.1 255.255.255.0

Router(dhcp-config)#exit

Inter-VLAN

Switch(config)#vlan 12
Switch(config-vlan)#name IT
Switch(config-vlan)#exit
Switch(config)#vlan 45
Switch(config-vlan)#name Sales
Switch(config-vlan)#exit
Switch(config)#vlan 20
Switch(config-vlan)#name Ops
Switch(config-vlan)#exit
Switch(config)#int fa

Switch(config-if)#switchport access vlan 12

Switch(config-if)#exit

Switch(config)#int fa0/2

Switch(config-if)#switchport access vlan 12

Switch(config-if)#exit

Switch(config)#int fa0/3

Switch(config-if)#switchport access vlan 45

Switch(config-if)#exit

Switch(config)#int fa0/4

Switch(config-if)#switchport access vlan 45

Switch(conig-if)#exit

Switch(config)#int fa0/5

Switch(config-if)#switchport access vlan 20

Switch(config-if)#exit

Switch(config)#int fa0/6

Switch(config-if)#switchport access vlan 20

Switch(config-if)#exit

Switch(config)#int gig0/1

Switch(config-if)#switchport mode trunk

Switch(config-if)#exit

Switch(config)#exit

Router>en

Router#conf t

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

Router(config)#int gig0/0.12

Router(config-subif)#encap dot1q 12

Router(config-subif)#ip address 192.168.10.1 255.255.255.0

Routip address 192.168.10.enint gig0/0.12int gig0/0.45

OSPF

en

conf t

int serial 0/0/0

ip address 192.168.20.1 255.255.255.0

clock rate 72000

no shutdown

int fa0/0

ip address 192.168.10.1 255.255.255.0

no shutdown

exit

router ospf 1

network 192.168.10.0 0.0.0.255 area 0

network 192.168.20.0 0.0.0.255 area 0

exit

copy running-config startup-config