

Router R0

```
enable
conf t
hostname Router0

interface g0/1
 ip address 192.168.112.1 255.255.255.252
 no shutdown
 exit

interface g0/0
 ip address 65.27.33.55 255.0.0.0
 no shutdown
 exit

ip route 192.168.0.0 255.255.0.0 192.168.112.2
ip route 0.0.0.0 0.0.0.0 g0/0

end
write memory

enable
conf t
ip routing
exit
write memory

ping 65.100.47.5

ping 65.100.47.5
```

Multilayer Switch MS0

```
enable
conf t
hostname MultilayerSwitch0

vlan 2
  name Administratif
vlan 3
  name Logistique
vlan 4
  name Production
vlan 8
  name ServAutres
vlan 9
  name Infra
exit

interface g0/2
  switchport trunk encapsulation dot1q
  switchport mode trunk
  no shutdown
exit

interface range fa0/5-6
  switchport mode access
  switchport access vlan 2
  no shutdown
exit

interface range fa0/3-4
  switchport mode access
  switchport access vlan 8
  no shutdown
exit

interface range fa0/1-2
  switchport mode access
  switchport access vlan 9
  no shutdown
exit

interface vlan 2
  ip address 192.168.1.62 255.255.255.192
  ip helper-address 192.168.111.1
  no shutdown
exit
```

```
interface vlan 3
 ip address 192.168.0.254 255.255.255.128
 ip helper-address 192.168.111.1
 no shutdown
 exit

interface vlan 4
 ip address 192.168.0.126 255.255.255.128
 ip helper-address 192.168.111.1
 no shutdown
 exit

interface vlan 8
 ip address 192.168.111.30 255.255.255.240
 no shutdown
 exit

interface vlan 9
 ip address 192.168.111.14 255.255.255.240
 no shutdown
 exit

interface g0/1
 no switchport
 ip address 192.168.112.2 255.255.255.252
 no shutdown
 exit

ip route 0.0.0.0 0.0.0.0 192.168.112.1

end
write memory
```

Switch0

```
enable
conf t
hostname Switch0

vlan 2
  name Administratif
vlan 3
  name Logistique
vlan 4
  name Production
exit

interface range fa0/2-3
  switchport mode access
  switchport access vlan 2
  no shutdown
exit

interface range fa0/4-5
  switchport mode access
  switchport access vlan 3
  no shutdown
exit

interface range fa0/6-7
  switchport mode access
  switchport access vlan 4
  no shutdown
exit

interface fa0/1
  switchport mode trunk
  no shutdown
end
write memory
```