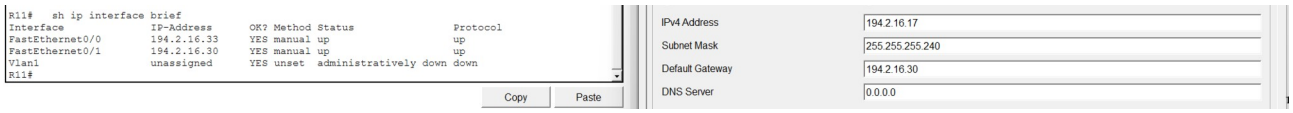
TP 8

1. Visualisation des tables de routage

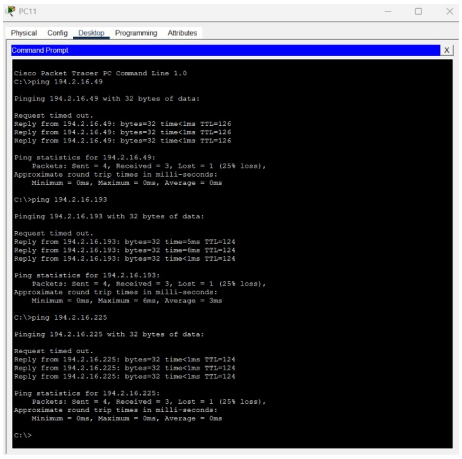



```
R11>en
R11#sh ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

S    192.168.2.0/24 [1/0] via 194.2.16.35
     194.2.16.0/28 is subnetted, 10 subnets
C       194.2.16.16 is directly connected, FastEthernet0/1
C       194.2.16.32 is directly connected, FastEthernet0/0
D       194.2.16.48 [90/30720] via 194.2.16.34, 00:06:47, FastEthernet0/0
D       194.2.16.96 [90/2172416] via 194.2.16.35, 00:06:47, FastEthernet0/0
D       194.2.16.112 [90/30720] via 194.2.16.35, 00:06:47, FastEthernet0/0
D       194.2.16.128 [90/2172416] via 194.2.16.35, 00:06:47, FastEthernet0/0
D       194.2.16.144 [90/2174976] via 194.2.16.35, 00:06:47, FastEthernet0/0
D       194.2.16.192 [90/35840] via 194.2.16.35, 00:06:46, FastEthernet0/0
D       194.2.16.208 [90/33280] via 194.2.16.35, 00:06:47, FastEthernet0/0
D       194.2.16.224 [90/35840] via 194.2.16.35, 00:06:46, FastEthernet0/0
```

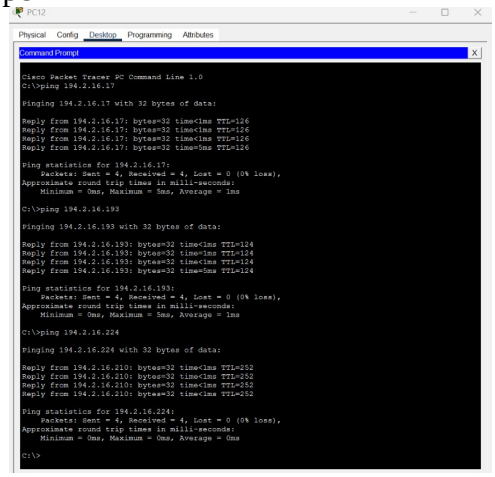
```
R1>en
R1#sh ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

     194.2.16.0/28 is subnetted, 10 subnets
D       194.2.16.16 [90/2174976] via 194.2.16.97, 00:09:54, Serial0/0/0
D       194.2.16.32 [90/2172416] via 194.2.16.97, 00:10:21, Serial0/0/0
D       194.2.16.48 [90/2174976] via 194.2.16.97, 00:09:54, Serial0/0/0
C       194.2.16.96 is directly connected, Serial0/0/0
D       194.2.16.112 [90/2172416] via 194.2.16.97, 00:10:21, Serial0/0/0
                     [90/2172416] via 194.2.16.146, 00:10:19, Serial0/0/1
D       194.2.16.128 [90/2681856] via 194.2.16.97, 00:10:21, Serial0/0/0
                     [90/2681856] via 194.2.16.146, 00:10:18, Serial0/0/1
C       194.2.16.144 is directly connected, Serial0/0/1
D       194.2.16.192 [90/2174976] via 194.2.16.146, 00:09:53, Serial0/0/1
D       194.2.16.208 [90/2172416] via 194.2.16.146, 00:10:19, Serial0/0/1
D       194.2.16.224 [90/2174976] via 194.2.16.146, 00:09:53, Serial0/0/1
```

TP 8

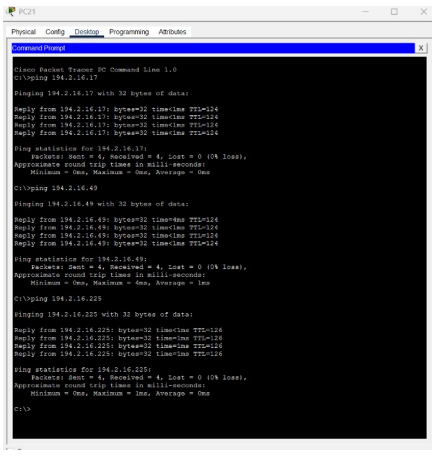
pc11



pc12

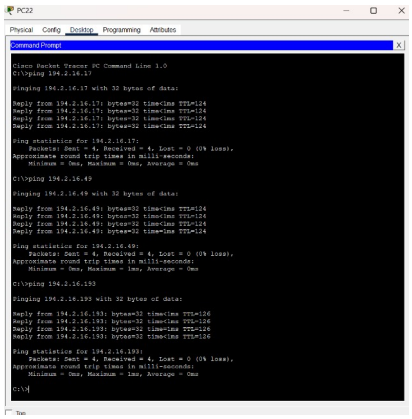


pc21



TP 8

pc22



2. Ajout du routeur R0 et de l'ordinateur PC0

```
The following configuration command script was created:

!
hostname R0
enable secret 5 $1$mERr$QnY/64E5ClF2j8H8iL28G0
enable password mdp2
line vty 0 4
password mdp3
!
interface Vlan1
 shutdown
 no ip address
!
interface FastEthernet0/0
 no shutdown
 ip address 192.168.2.1 255.255.255.0
!
interface FastEthernet0/1
 shutdown
 no ip address
!
interface Serial0/0/0
 shutdown
 no ip address
!
interface Serial0/0/1
 shutdown
 no ip address
!
end

[0] Go to the IOS command prompt without saving this config.
[1] Return back to the setup without saving this config.
[2] Save this configuration to nvram and exit.

Enter your selection [2]: 2
Building configuration...
[OK]
Use the enabled mode 'configure' command to modify this configuration.


Press RETURN to get started!
```

```
R0>
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

R0>show arp
Protocol  Address          Age (min)  Hardware Addr   Type   Interface
Internet  192.168.2.1             -   0060.3E87.6001  ARPA   FastEthernet0/0
R0>show arp
Protocol  Address          Age (min)  Hardware Addr   Type   Interface
Internet  192.168.2.1             -   0060.3E87.6001  ARPA   FastEthernet0/0
R0>
```