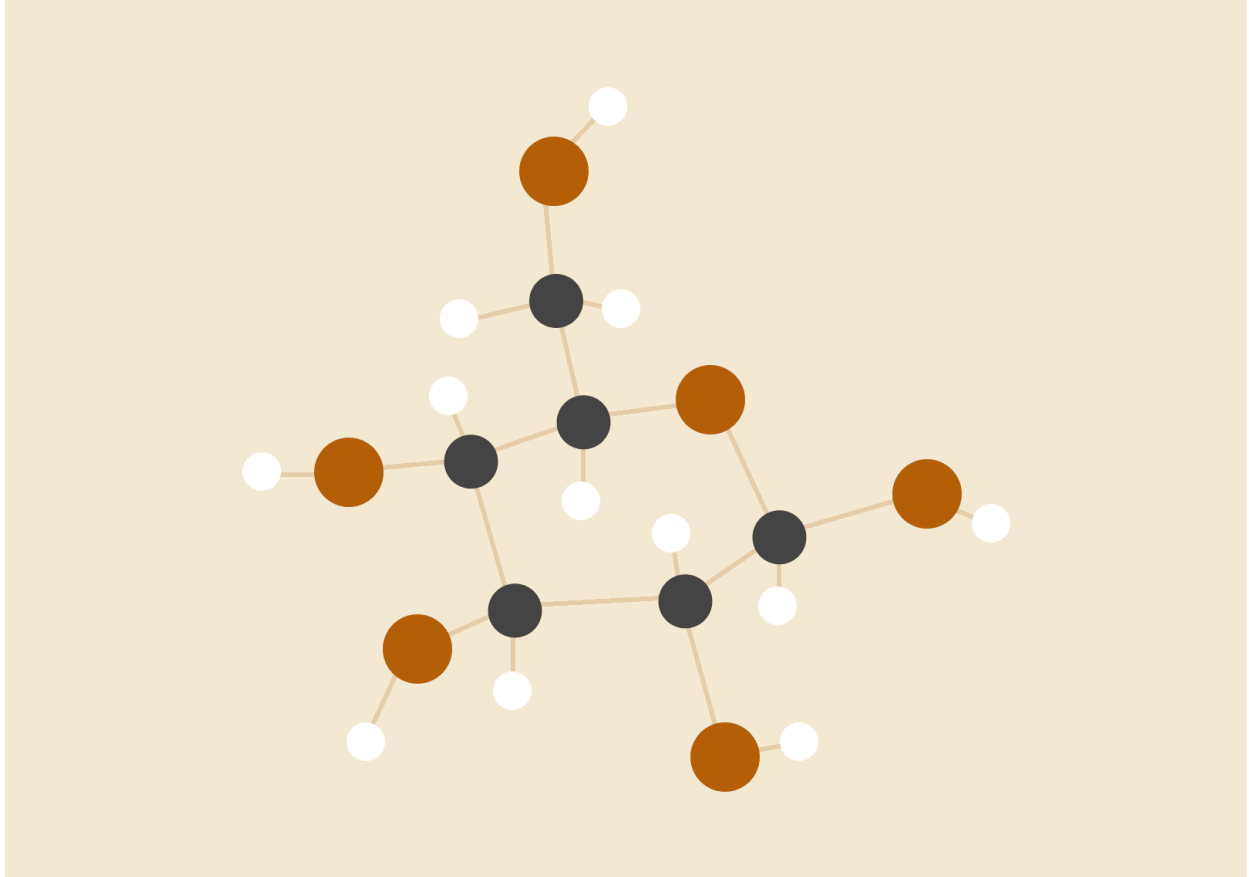


CISCO RÉSEAU SIMPLE



configuration des interfaces gig 0/0 et gig 0/1 des deux routeurs

routeur 1

```
Router#
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface g
Router(config)#interface gigabitEthernet 0/0
Router(config-if)#ip adress 172.16.1.254 255.255.255.0.0
      ^
% Invalid input detected at '^' marker.

Router(config-if)#ip adress 172.16.1.254 255.255.0.0
      ^
% Invalid input detected at '^' marker.

Router(config-if)#ip address 172.16.1.254 255.255.0.0
Router(config-if)#no shutdown

Router(config)#interface gigabitEthernet 0/1
Router(config-if)#172.17.2.254 255.255.0.0
      ^
% Invalid input detected at '^' marker.

Router(config-if)#ip address 172.17.2.254 255.255.0.0
Router(config-if)#no shutdown
Router(config-if)#exit
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#exit
Router#
```

routeur 2

```
Router(config)#int
Router(config)#interface gi
Router(config)#interface gigabitEthernet 0/0
Router(config-if)#ip
Router(config-if)#ip a
Router(config-if)#ip addr
Router(config-if)#ip address 172.17.3.254 255.255.0.0
Router(config-if)#no shutdown
Router(config-if)#exit
Router(config)#inter
Router(config)#interface gi
Router(config)#interface gigabitEthernet 0/1
Router(config-if)#ip addr
Router(config-if)#ip address 172.18.4.254 255.255.0.0
Router(config-if)#no shutdown
Router(config-if)#exit
Router(config)#exit
-
```

les pc

PC-1

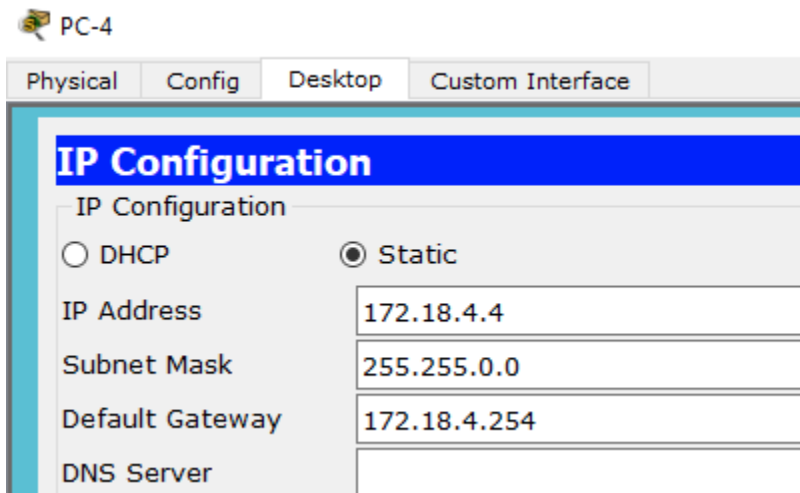
Physical	Config	Desktop	Custom Interface
IP Configuration			
IP Configuration			
<input type="radio"/> DHCP <input checked="" type="radio"/> Static			
IP Address		172.16.1.1	
Subnet Mask		255.255.0.0	
Default Gateway		172.16.1.254	
DNS Server			

PC-2

Physical	Config	Desktop	Custom Interface
IP Configuration			
IP Configuration			
<input type="radio"/> DHCP <input checked="" type="radio"/> Static			
IP Address		172.17.2.2	
Subnet Mask		255.255.0.0	
Default Gateway		172.17.2.254	
DNS Server			

PC-3

Physical	Config	Desktop	Custom Interface
IP Configuration			
IP Configuration			
<input type="radio"/> DHCP <input checked="" type="radio"/> Static			
IP Address		172.17.3.3	
Subnet Mask		255.255.0.0	
Default Gateway		172.17.3.254	
DNS Server			



après la configuration des routeurs sans table de routage statique les résultat du ping ne marche pas entre les deux réseaux les plus distant mais c'est normal il manque les routes.

CONFIGURATION DES ROUTE

routeur1

```
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#ip route 172.18.0.0 255.255.0.0 172.17.3.254
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
show ip route
Codes: L - local, C - connected, S - static, 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

    172.16.0.0/16 is variably subnetted, 2 subnets, 2 masks
C       172.16.0.0/16 is directly connected, GigabitEthernet0/0
L       172.16.1.254/32 is directly connected, GigabitEthernet0/0
    172.17.0.0/16 is variably subnetted, 2 subnets, 2 masks
C       172.17.0.0/16 is directly connected, GigabitEthernet0/1
L       172.17.2.254/32 is directly connected, GigabitEthernet0/1
S       172.18.0.0/16 [1/0] via 172.17.3.254
routeur1
```

routeur2

```
interface GigabitEthernet0/0
 ip address 172.17.3.254 255.255.0.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/1
 ip address 172.18.4.254 255.255.0.0
 duplex auto
 speed auto
!
interface Vlan1
 no ip address
 shutdown
!
ip classless
ip route 172.16.0.0 255.255.0.0 172.17.2.254
ip route 192.168.10.0 255.255.255.0 172.18.5.254
!
```

SECONDE PARTIE: trois routeur

routeur3

```
interface GigabitEthernet0/0
 ip address 172.18.5.254 255.255.0.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/1
 ip address 192.168.10.254 255.255.255.0
 duplex auto
 speed auto
!
interface Vlan1
 no ip address
 shutdown
!
ip classless
ip route 172.18.0.0 255.255.0.0 172.18.4.254
ip route 172.16.0.0 255.255.0.0 172.18.4.254
ip route 172.17.0.0 255.255.0.0 172.18.4.254
!
```

tous les tests de connexion fonctionnent !