

Exercice 1 :

1) classe A

2) Kenitra#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

11.0.0.0/8 is variably subnetted, 2 subnets, 2 masks

C 11.0.0.0/8 is directly connected, GigabitEthernet0/0/0

L 11.0.0.1/32 is directly connected, GigabitEthernet0/0/0

12.0.0.0/8 is variably subnetted, 2 subnets, 2 masks

C 12.0.0.0/8 is directly connected, GigabitEthernet0/0/1

L 12.0.0.1/32 is directly connected, GigabitEthernet0/0/1

3)

Kenitra(config)#ip route 0.0.0.0 0.0.0.0 212.217.0.2

Cloud(config)#ip route 0.0.0.0 0.0.0.0 212.217.0.1

4)

a.

interne				externe			
@IP source	N* Port source	@IP destination	N* Port destination	@IP source	N* Port source	@IP destination	N* Port destination
11.0.0.2	P ₁	212.217.0.1	80	212.217.0.1	P ₁	212.217.0.1	80
11.0.0.3	P ₂	212.217.0.1	80	212.217.0.1	P ₂	212.217.0.1	80
11.0.0.4	P ₃	212.217.0.1	80	212.217.0.1	P ₃	212.217.0.1	80
12.0.0.2	P ₄	212.217.0.1	80	212.217.0.1	P ₄	212.217.0.1	80
12.0.0.3	P ₅	212.217.0.1	80	212.217.0.1	P ₅	212.217.0.1	80

b. ports "bien-connus" (well-known ports)