Institut Universitaire des Sciences

Faculté sciences et technologies

Rapport TD5 reseau 2

Préparé par :

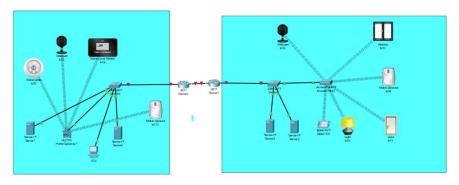
Nom: PIERRE

Prénom: Yann Lelay

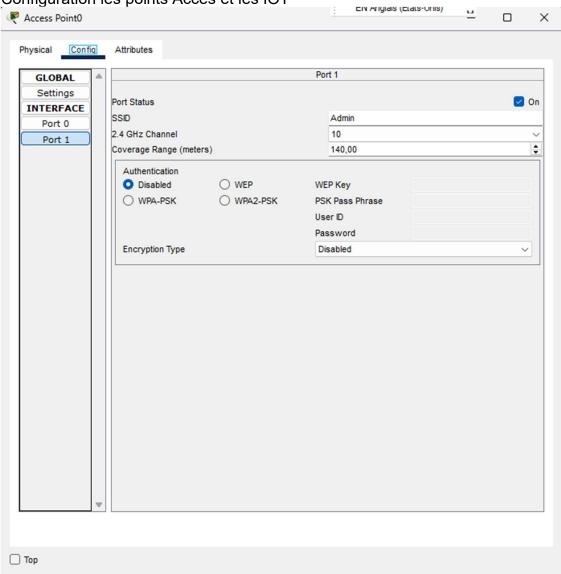
Niveau: L3 - Sciences Informatiques

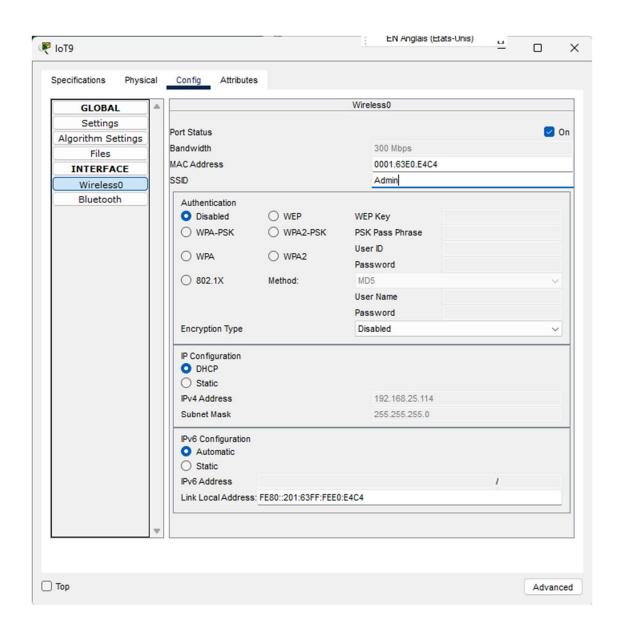
1. Reproduisez cette topologie en implémentant le Protocole de Routage OSPF dans un Réseau!

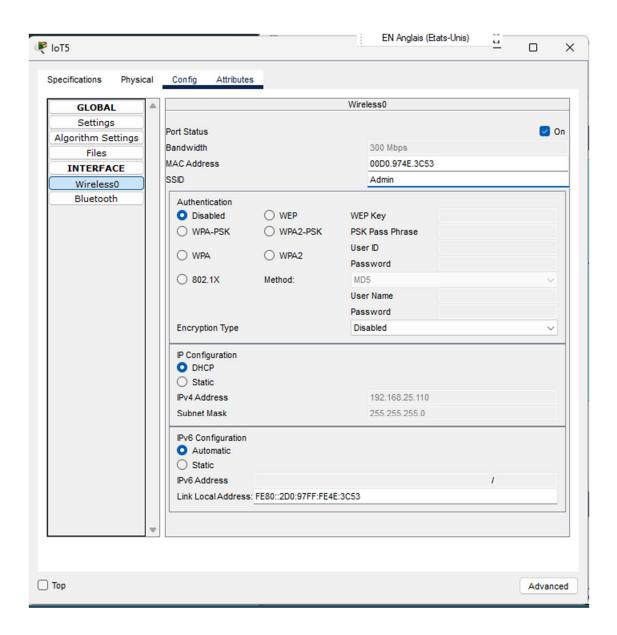
1. Topologie du réseau :

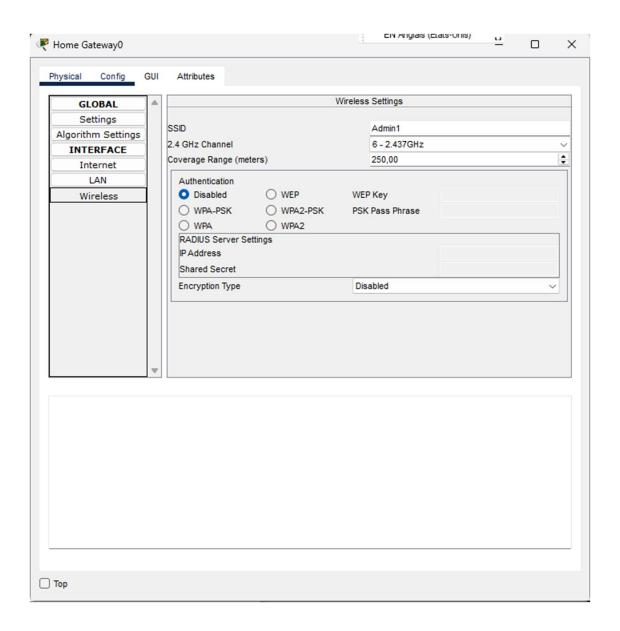


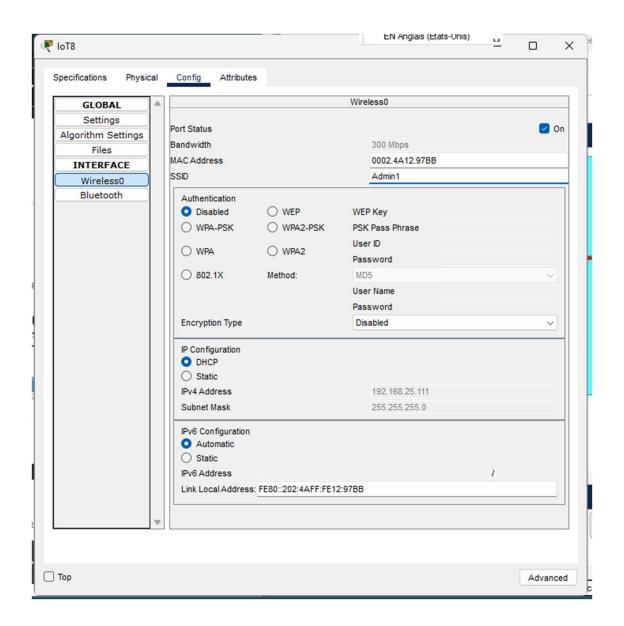
2. Configuration les points Acces et les IOT

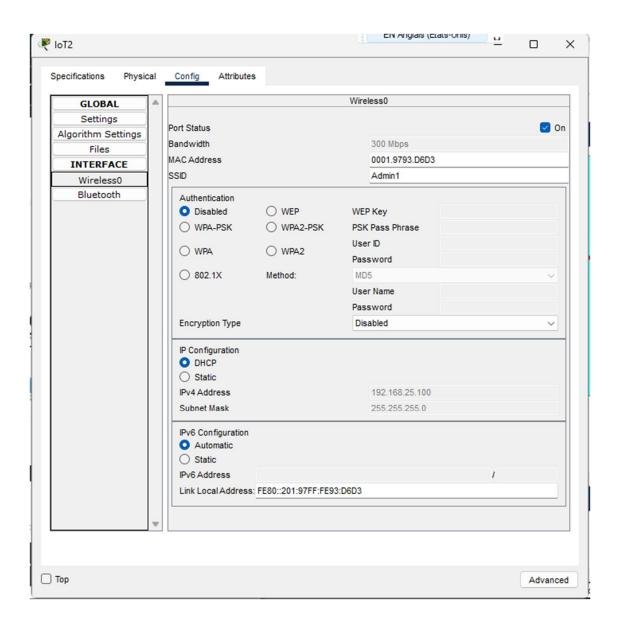




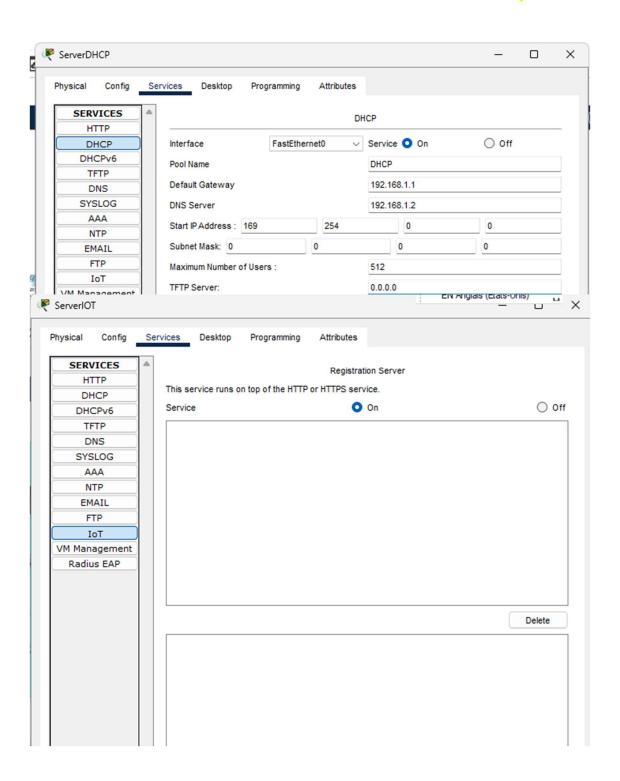




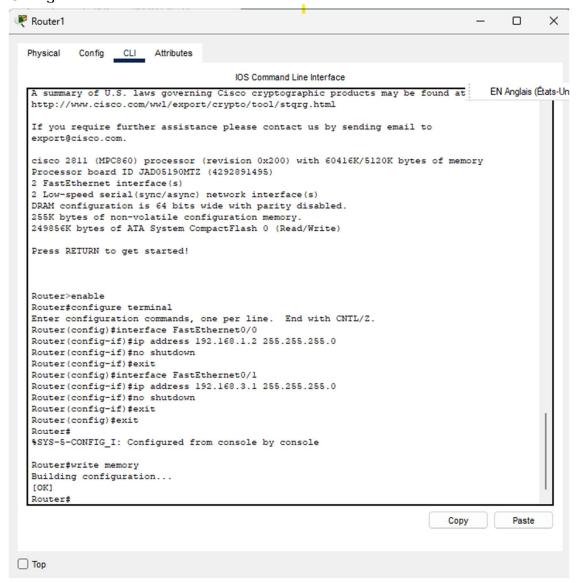




3. Configuration des serveurs DHCP et IOT



4. Configuration de base des routeurs



5. Configuration du protocole OSPF

```
Router#conf t
Enter configuration commands, one per line. End with CNTL/2.
Router(config)#router ospf 1
Router(config-router)#router-id 1.1.1.1
Router(config-router)#network 192.168.1.0 0.0.0.255 area 0
Router(config-router)#network 192.168.2.0 0.0.0.255 area 0
Router(config-router)#exit
Router(config)#
```

```
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router ospf 1
Router(config-router)#router-id 2.2.2.2
Router(config-router)#network 192.168.1.0 0.0.0.255 area 0
Router(config-router)#network 192.168.3.0 0.0.0.255 area 0
Router(config-router)#exit
Router(config)#
```

6. Vérification de la configuration OSPF

```
Router#show ip ospf neighbor

Neighbor ID Pri State Dead Time Address Interface
2.2.2.2 1 FULL/BDR 00:00:34 192.168.1.2 FastEthernet0/0
Router#show ip route ospf
O 192.168.3.0 [110/2] via 192.168.1.2, 00:01:03, FastEthernet0/0
Router#
```

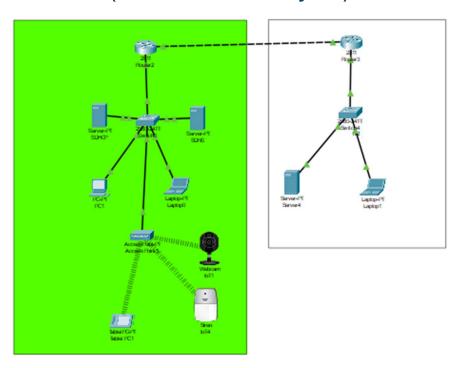
Router#show ip ospf neighbor

Neighbor ID Pri State Dead Time Address Interface
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Router#show ip route ospf
0 192.168.3.0 [110/2] via 192.168.1.2, 00:01:03, FastEthernet0/0
Router#

Copy Paste

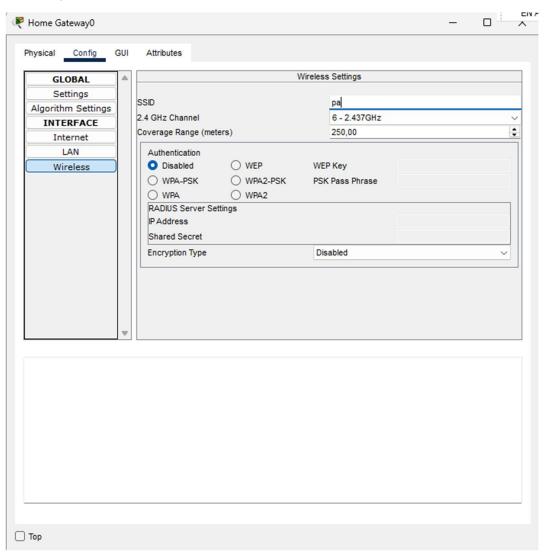
REPONSE Q2

2. Reproduisez cette topologie en configurant le réseau IoT (Internet des Objets).

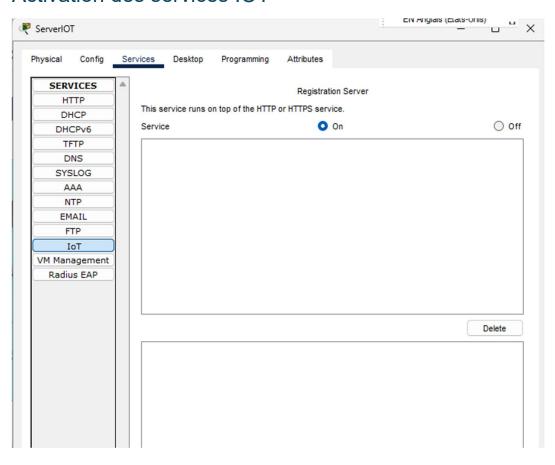


Topologie2

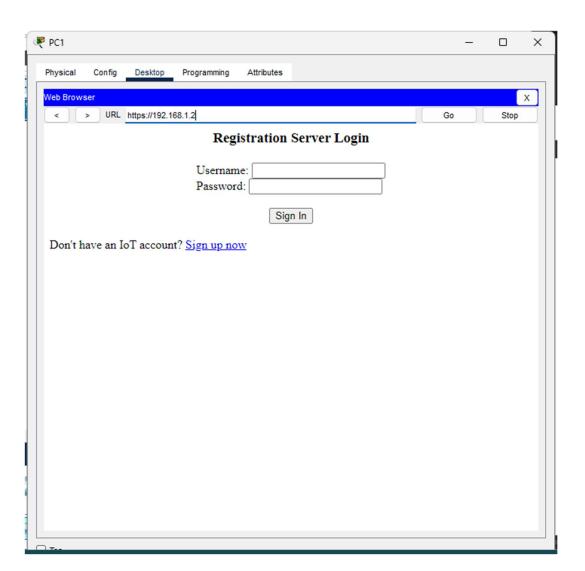
Configuration du point Acces

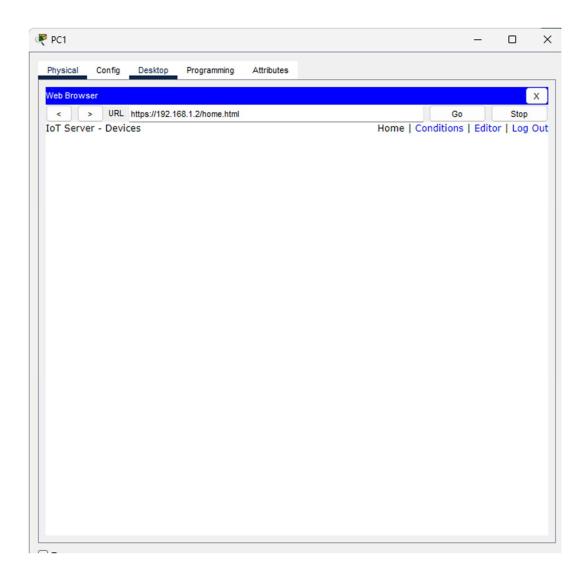


Activation des services IOT

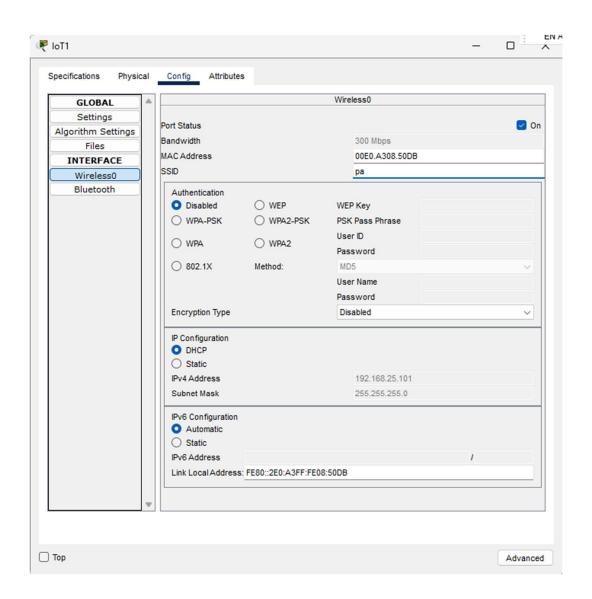


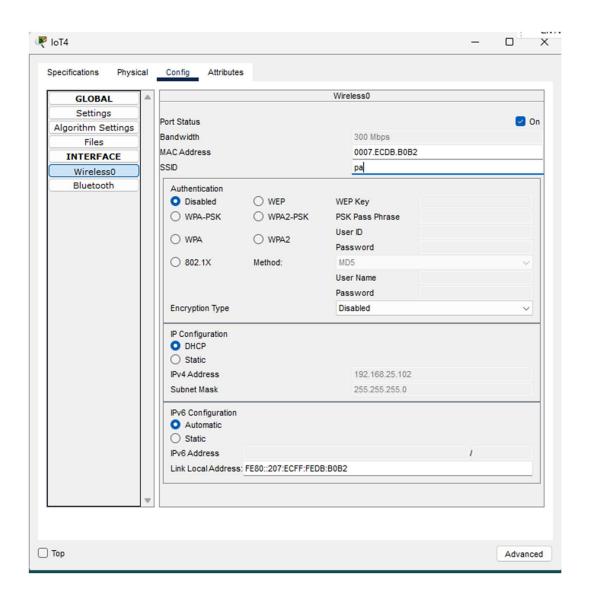
Registration au server

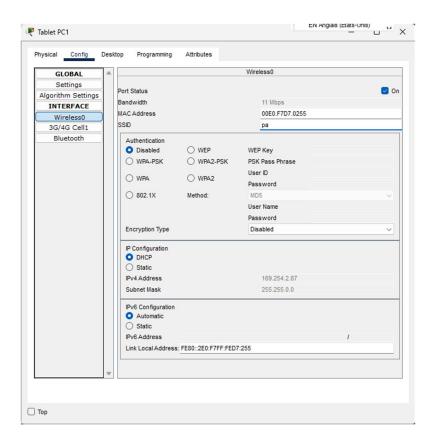


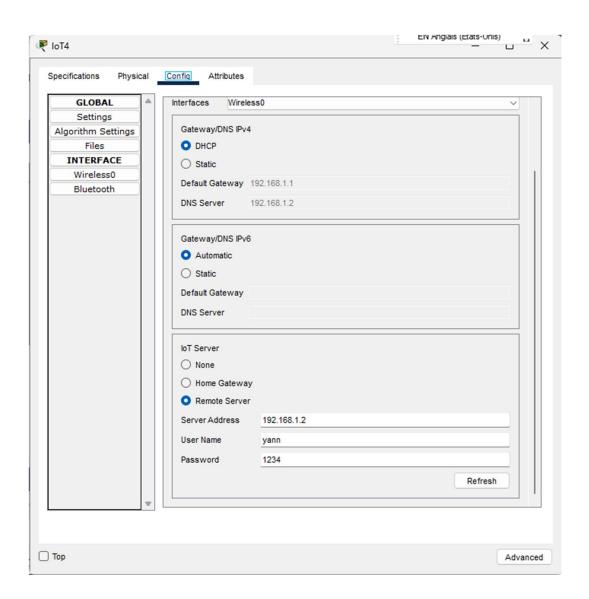


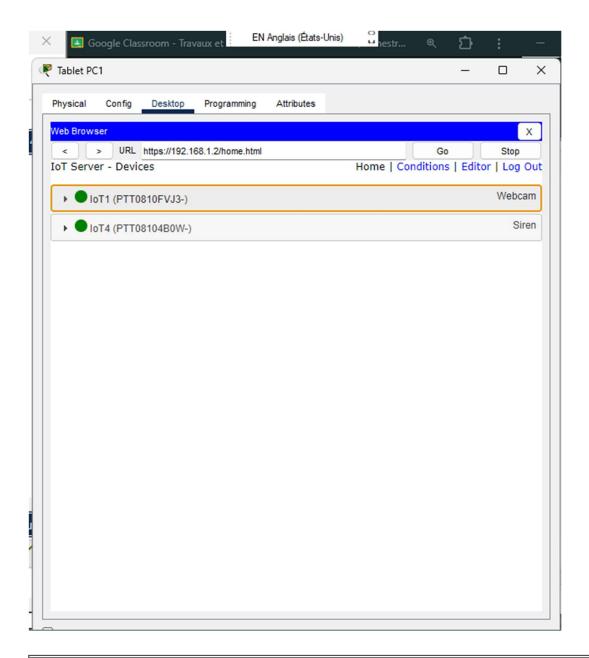
Configurer les IOT











Conclusion

Ce TD m'a permis d'explorer la configuration réseau avec OSPF et des IoT, consolidant mes compétences techniques essentielles en connectivité.