Institut Universitaire des Sciences

Faculté sciences et technologies

TD5 réseau 2

Préparé par :

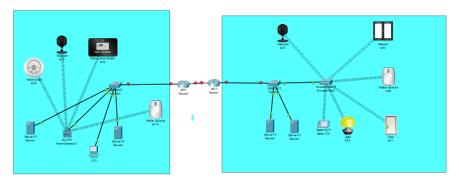
Nom: BYRON

Prénom : Pierre Durell Naguiby

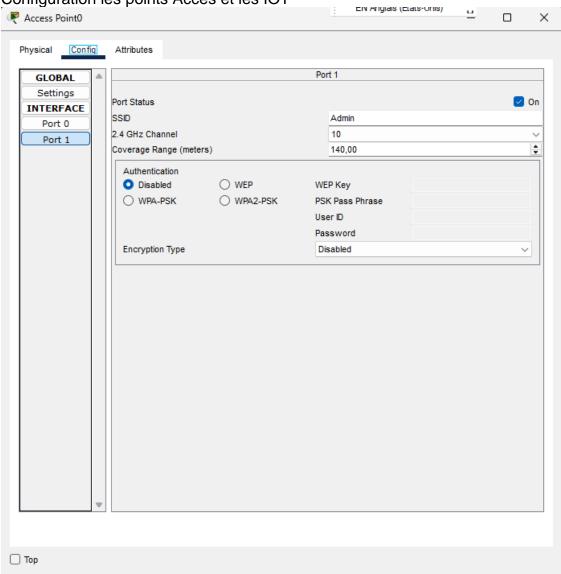
Niveau: L3 - Sciences Informatiques

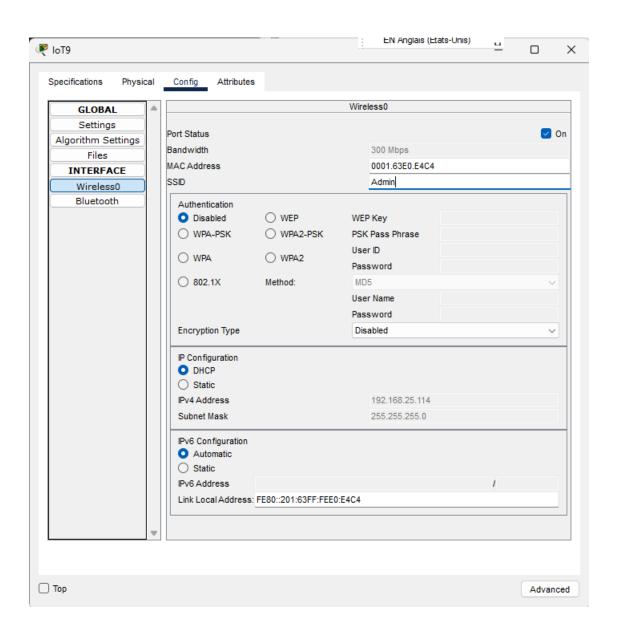
1. Reproduisez cette topologie en implémentant le Protocole de Routage OSPF dans un Réseau!

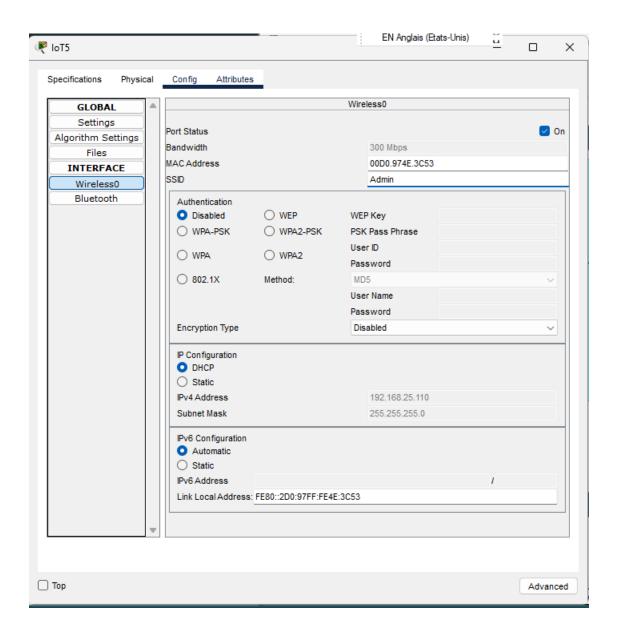
1. Topologie du réseau:

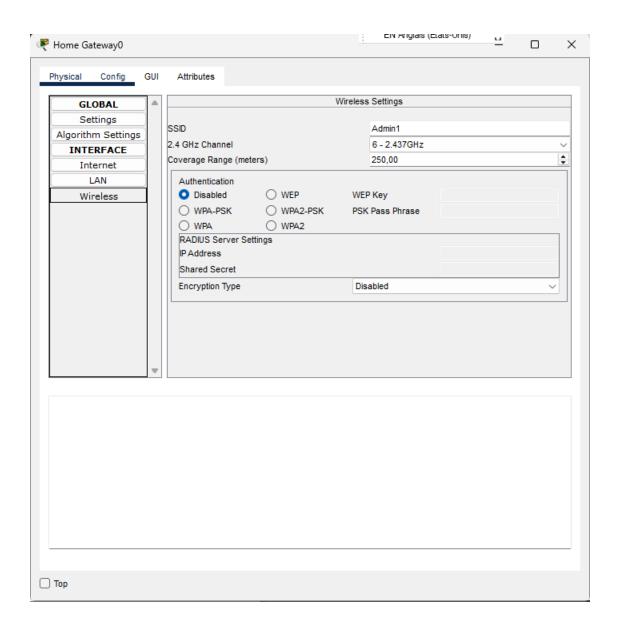


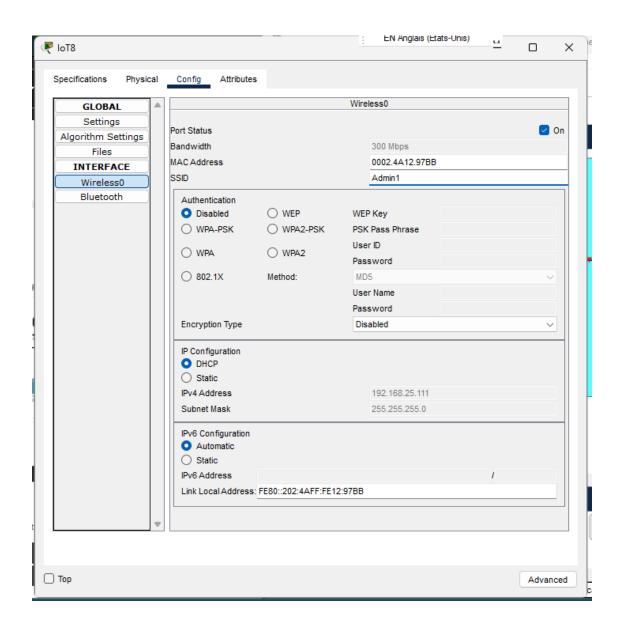
2. Configuration les points Acces et les IOT

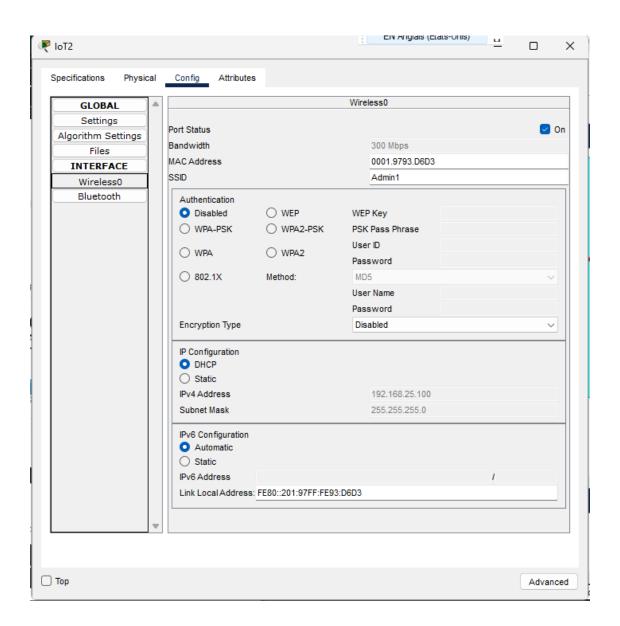




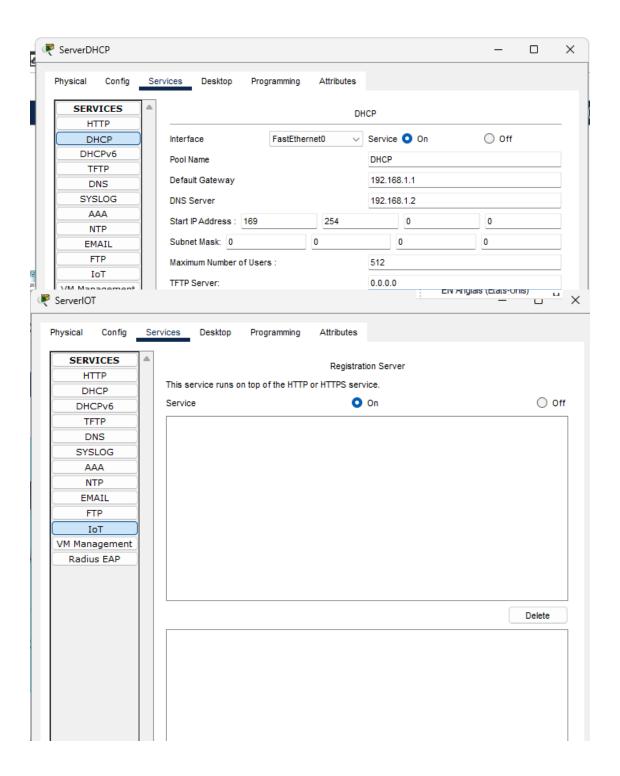






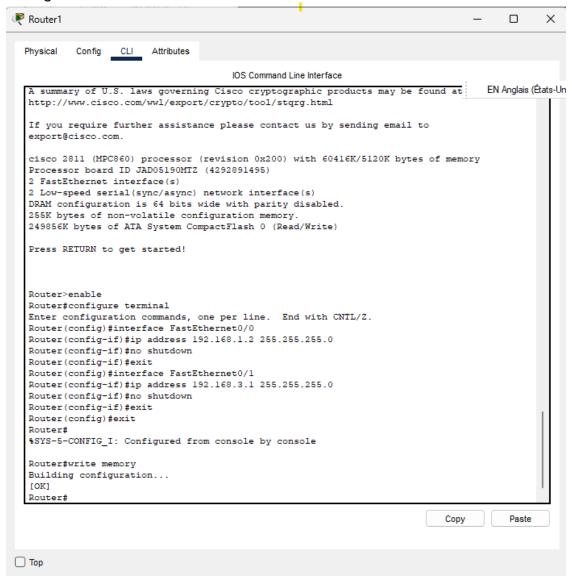


3. Configuration des serveurs DHCP et IOT



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4. Configuration de base des routeurs



5. Configuration du protocole OSPF

```
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
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)#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

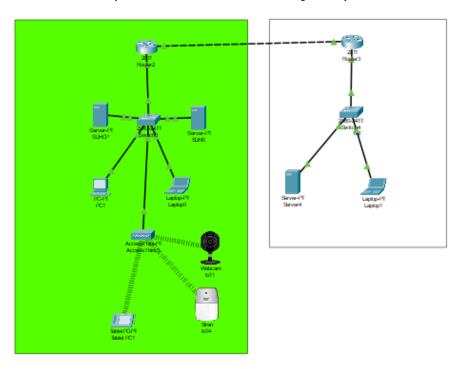
Neighbor ID Pri State Dead Time Address Interface
2.2.2.2 1 FULL/BDR 00:00:34 192.168.1.2 FastEthernet0/0
Router#show ip route ospf
O 192.168.3.0 [110/2] via 192.168.1.2, 00:01:03, FastEthernet0/0
Router#
```

```
Router#show ip ospf neighbor

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

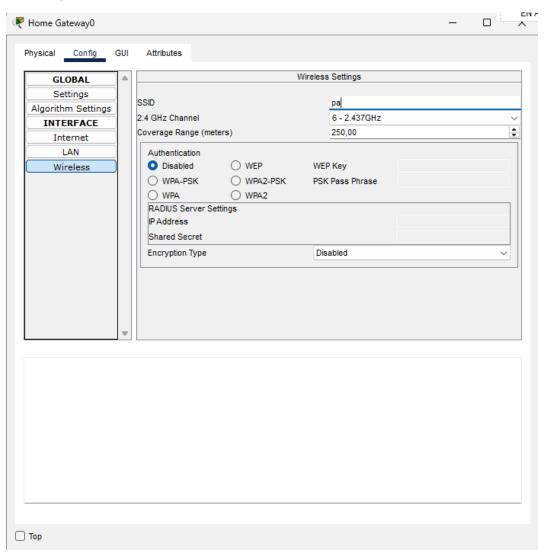
Copy Paste

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

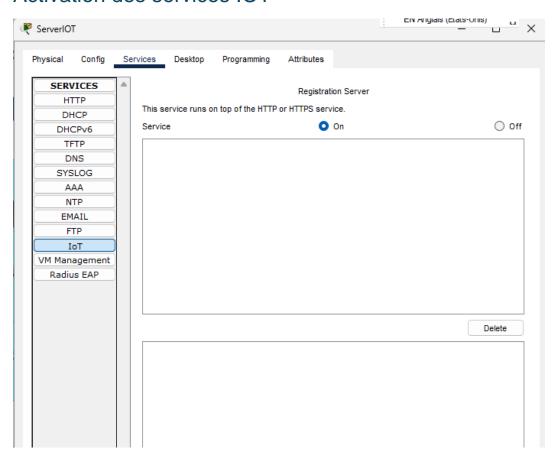


Topologie2

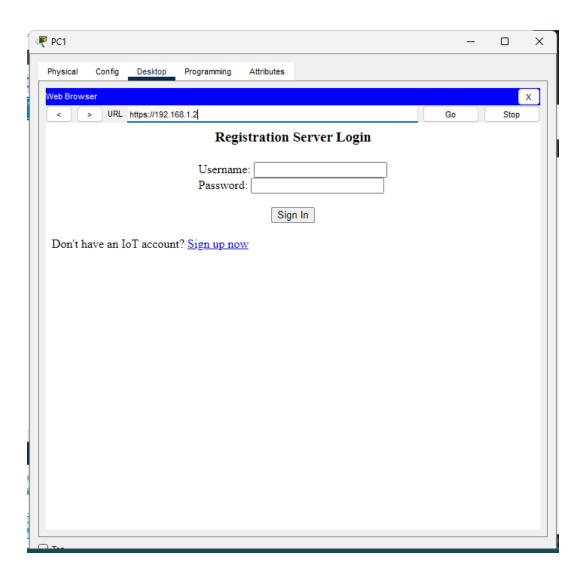
Configuration du point Acces

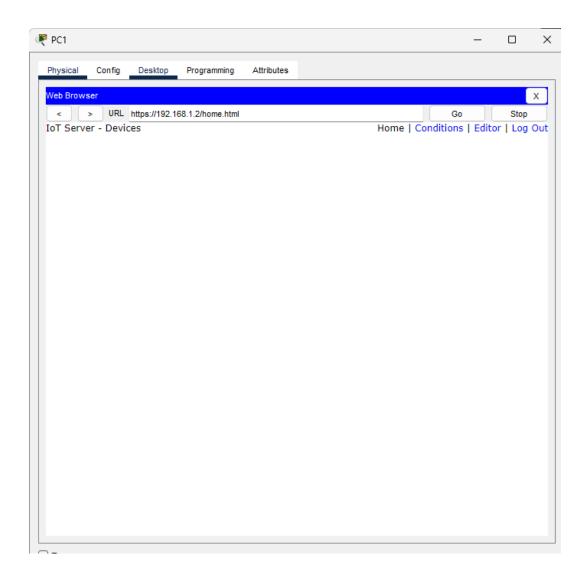


Activation des services IOT

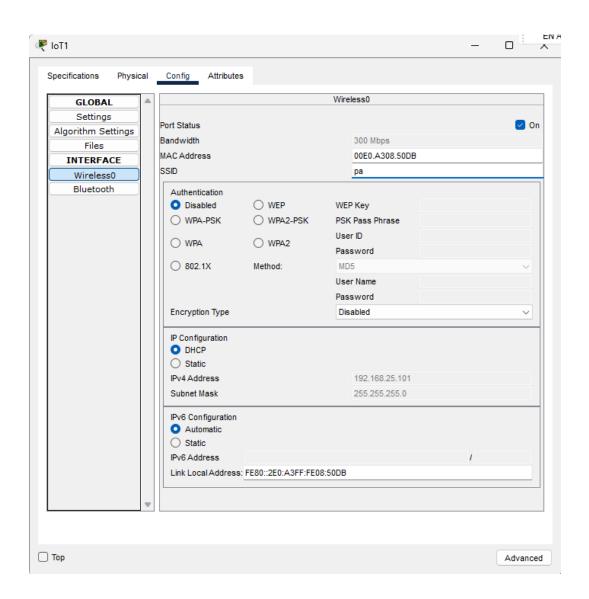


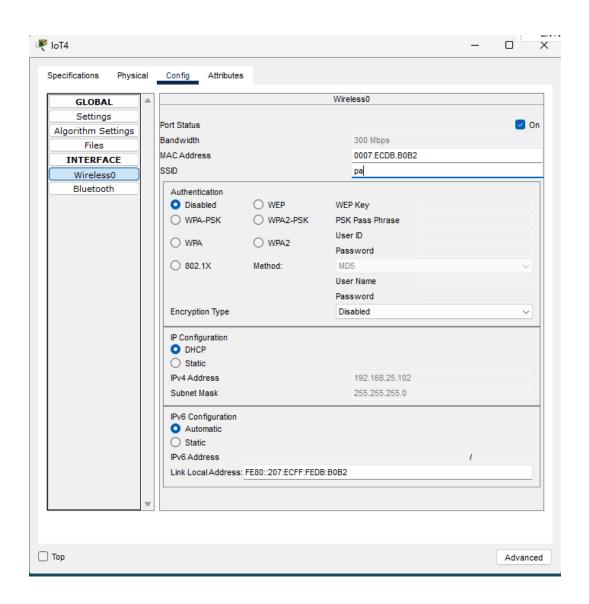
Registration au server

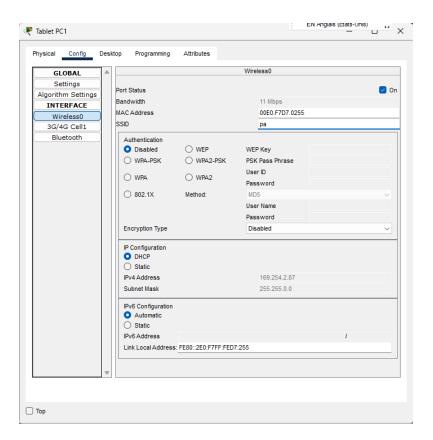


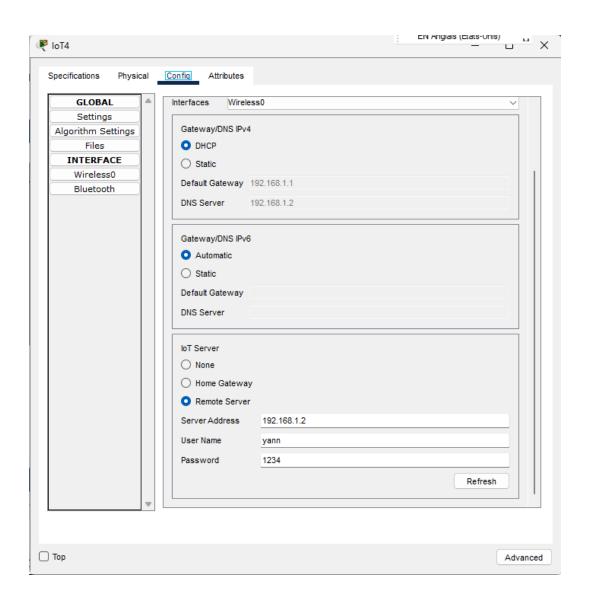


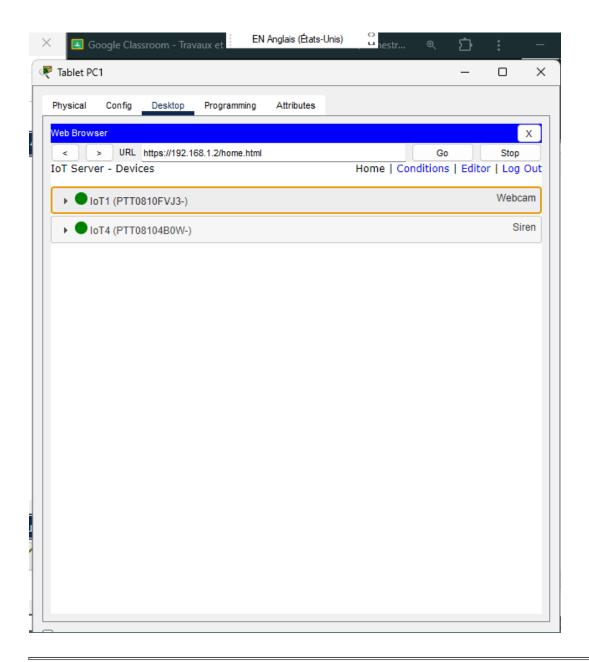
Configurer les IOT











Conclusion

En conclusion, ce TD me permet de configurer un réseau avec les protocoles OSPF et des IoT.