

FACULTÉ DES SCIENCES ET DES TECHNOLOGIES (FST)

Troisième année

RAPPORT

Sur le Travail de Laboratoire Nº4

COURS

Réseaux II

Professeur

Ismaël SAINT AMOUR

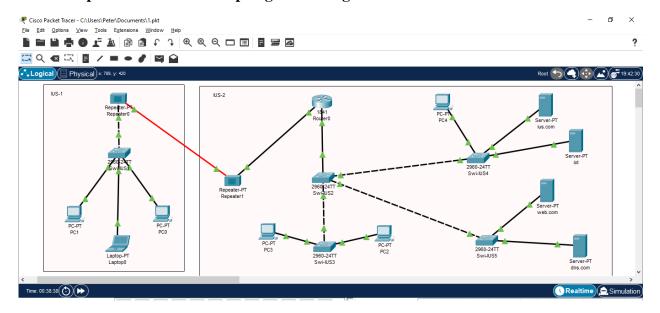
PRÉPARÉ PAR

Peterson CHERY

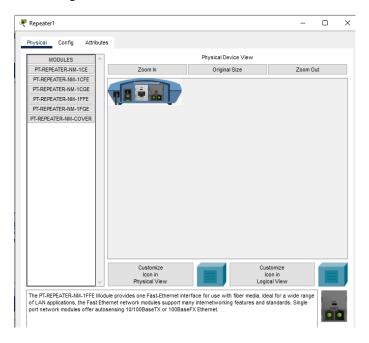
SEMESTRE

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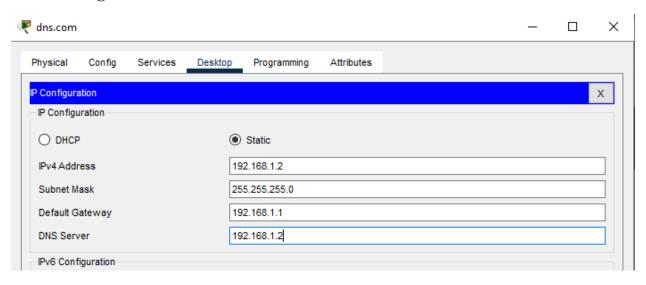
1. Reproduction de cette topologie en configurant le NAT du réseau



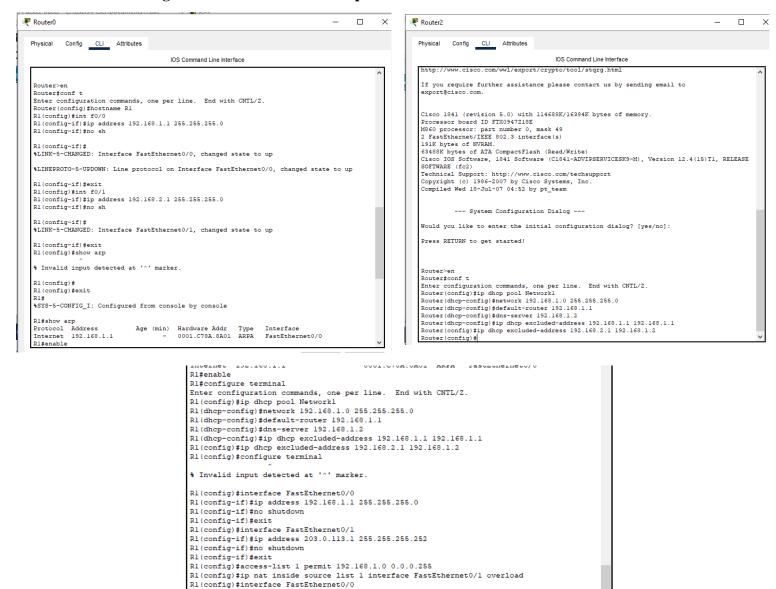
• Configuration du répéteur :



• Configuration du serveur dns.com Manuellement :



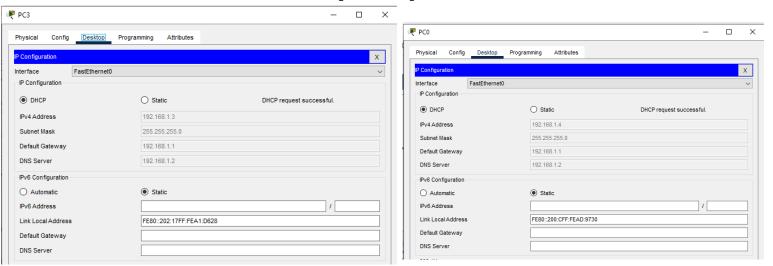
• Configuration du routeur entant que serveur DHCP et le Nat du Réseau :



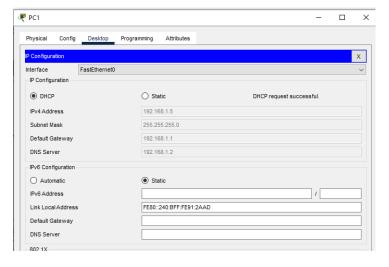
• Les Adresses IP automatique des dispositifs :

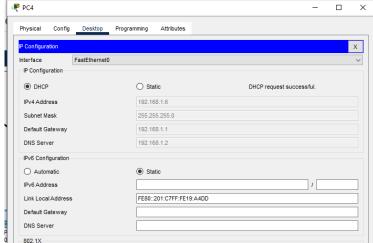
R1(config-if) #ip nat inside R1(config-if) #exit

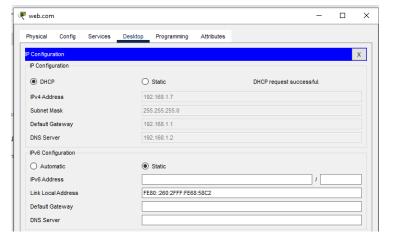
Rl(config)#interface FastEthernet0/1
Rl(config-if)#ip nat outside
Rl(config-if)#exit

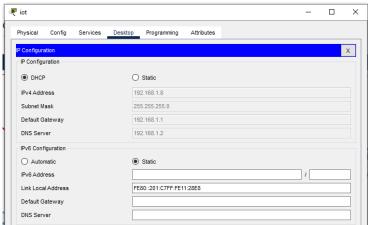


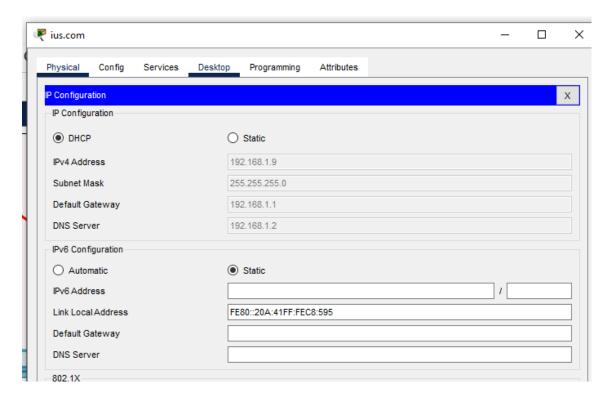
R1(config) #%DHCPD-4-PING CONFLICT: DHCP address conflict: server pinged 192.168.1.2.



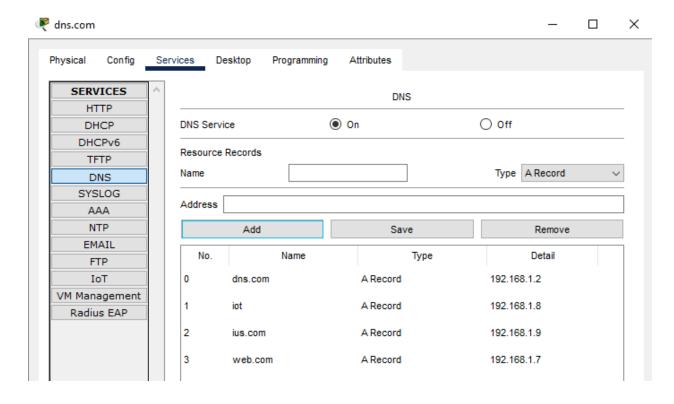




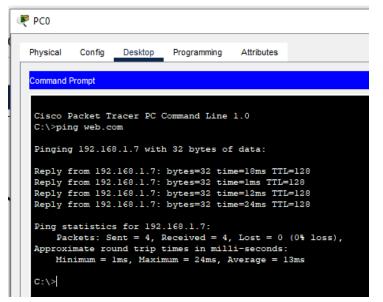


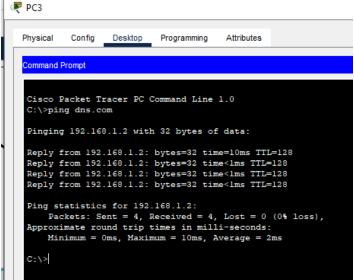


Adressage des autres serveurs dans le serveur dns.com

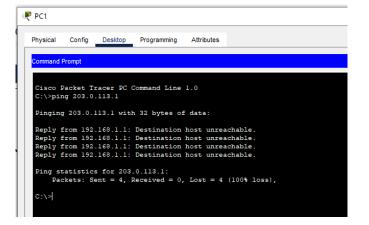


• Testez la connectivité des dispositifs :





• Testez le Nat :



```
Physical Config Desktop Programming Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 203.0.113.1

Pinging 203.0.113.1 with 32 bytes of data:

Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Request timed out.
Reply from 192.168.1.1: Destination host unreachable.

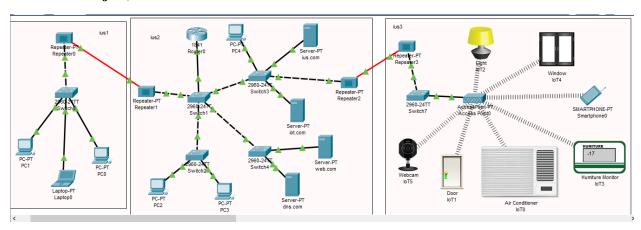
Ping statistics for 203.0.113.1:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

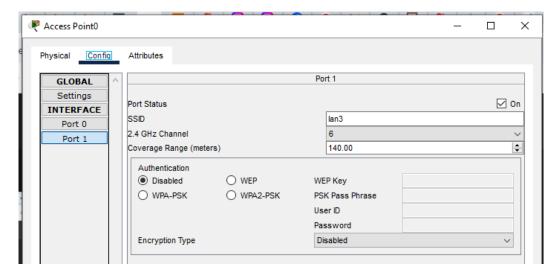
```
₹ Laptop0
 Physical
            Config
                     Desktop
                                Programming
                                               Attributes
   ommand Prompt
   Cisco Packet Tracer PC Command Line 1.0
   C:\>ping 203.0.113.1
   Pinging 203.0.113.1 with 32 bytes of data:
  Request timed out.
Request timed out.
   Request timed out.
   Reply from 192.168.1.1: Destination host unreachable.
  Ping statistics for 203.0.113.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>ping 203.0.113.1
   Pinging 203.0.113.1 with 32 bytes of data:
  Reply from 192.168.1.1: Destination host unreachable.
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  Reply from 192.168.1.1: Destination host unreachable.
  Ping statistics for 203.0.113.1:
       Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

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

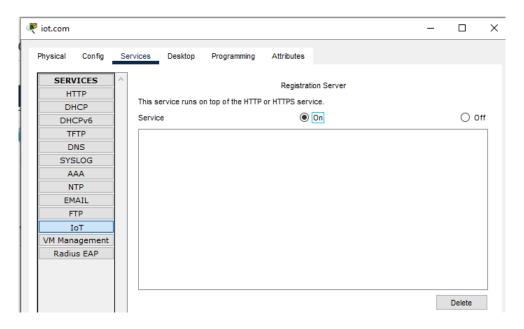


• Configuration du Point d'accès :

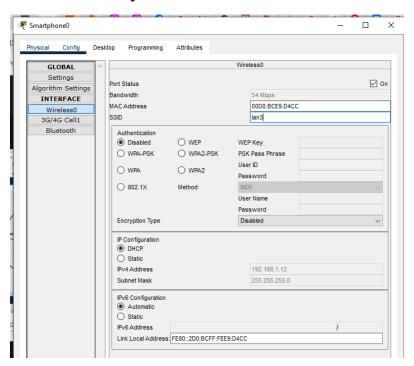




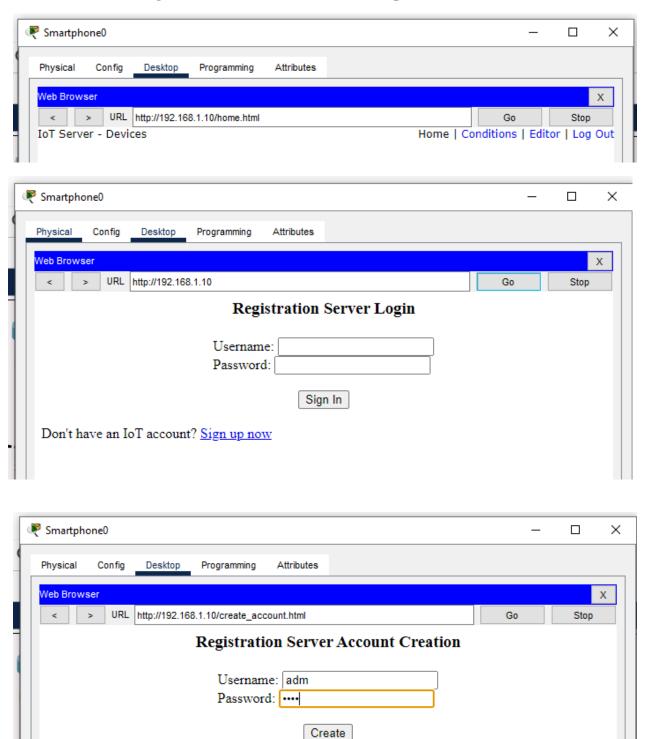
• Activation du serveur Iot :



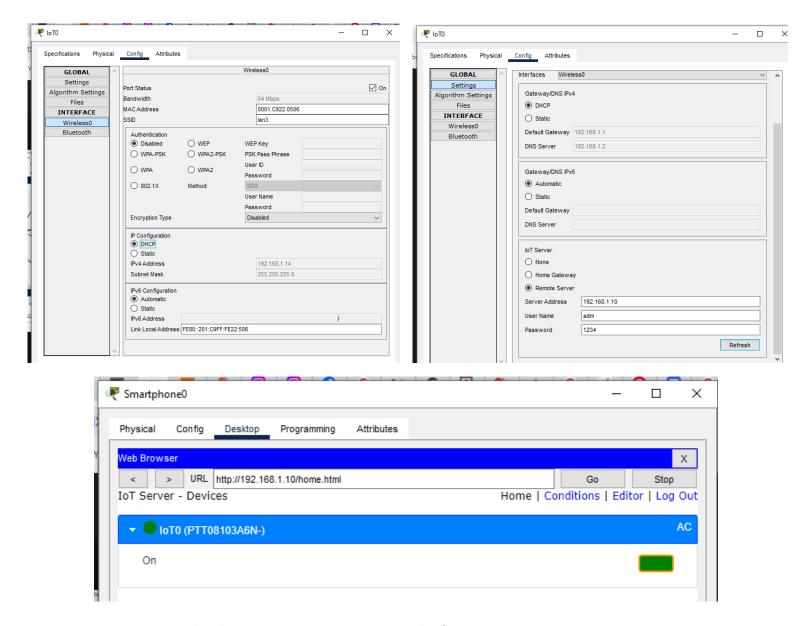
• Activation du Smartphone :



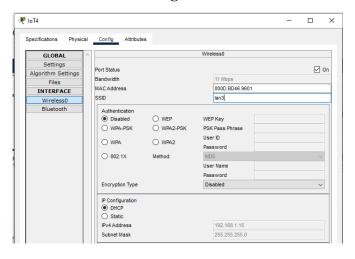
• L'enregistrement du serveur sur le Smartphone :

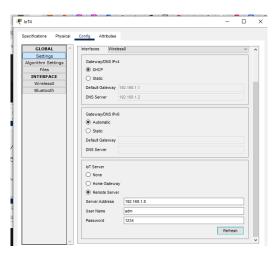


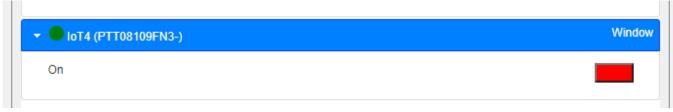
• Configuration et Activation de L'Air Conditionné :



• Configuration et Activation de la fenêtre :

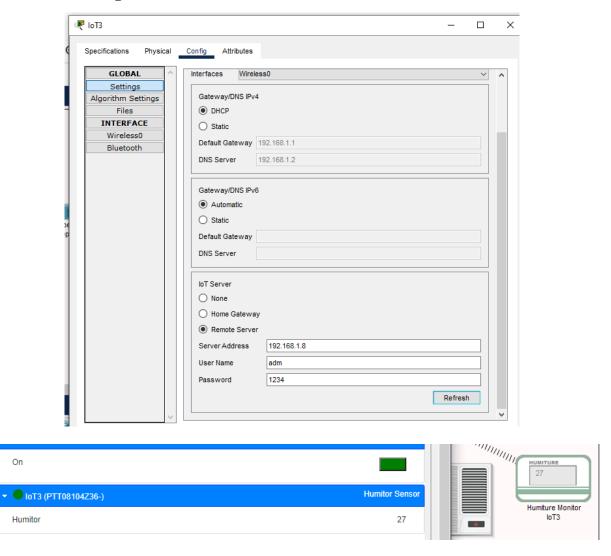




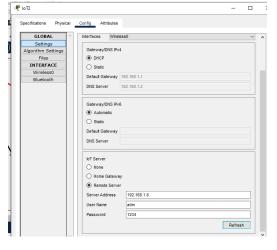


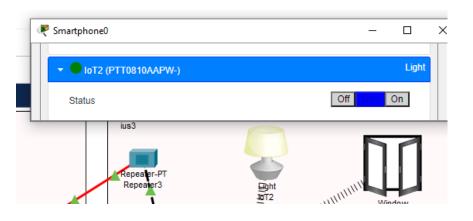


• Configuration et Activation du Monitor :

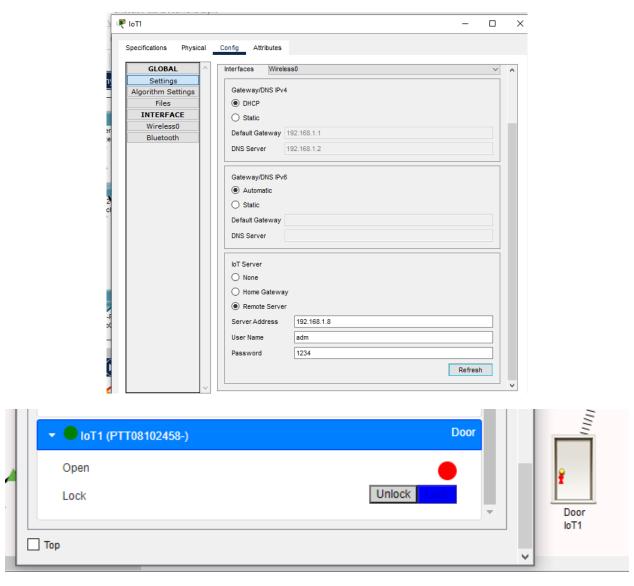


• Configuration et Activation de la Lumière :

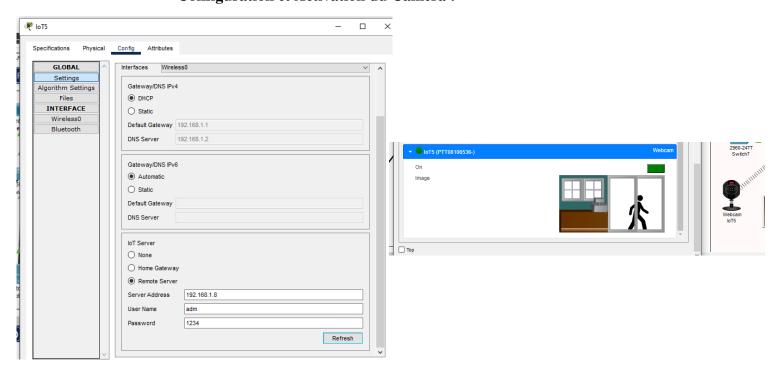




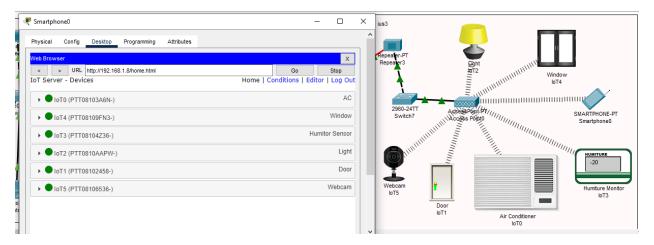
• Configuration et Activation de la porte :



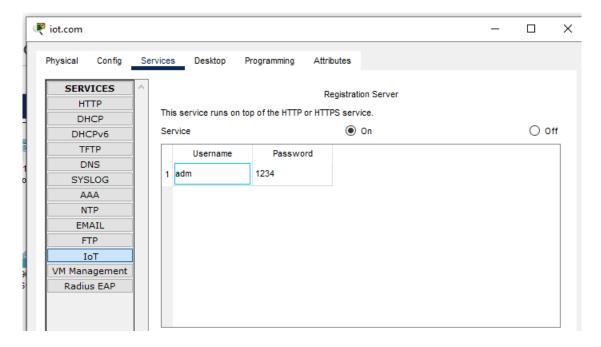
• Configuration et Activation du Camera :



• Connéction des objets :



• Le compte que j'ai créé dans le smartphone est enregistré dans le serveur iot.com



CONCLUSION:

J'ai appris les compétences nécessaires pour Configurer le NAT du réseau et le réseau IoT (Internet des Objets).