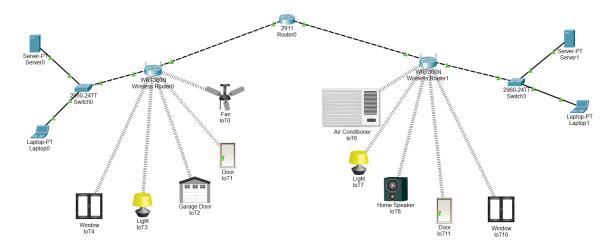
Computer Networks CS361 Lab9

Name: Dipean Dasgupta

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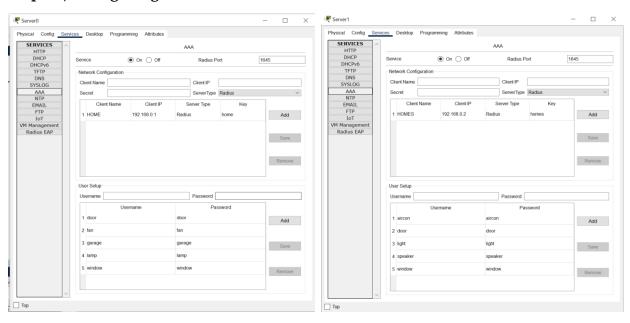
Tasks: Consider that you have two different houses with multiple IoT devices. The two houses are in different subnets and have different IoT servers. Demonstrate the following:

(1) IoT devices of one house can be controlled from the Laptop/PC of another house.

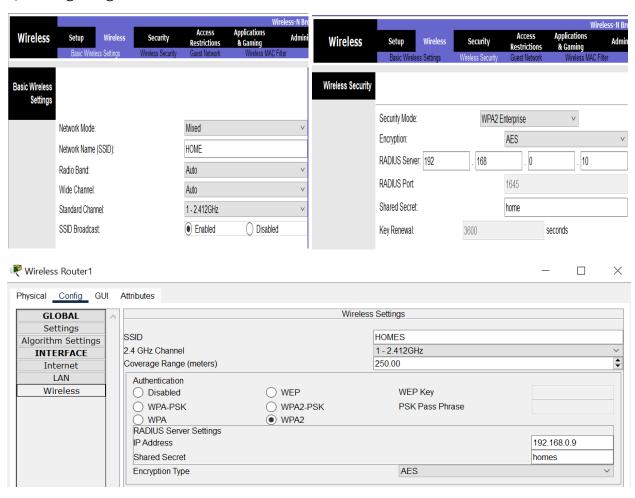


Full Network setup...

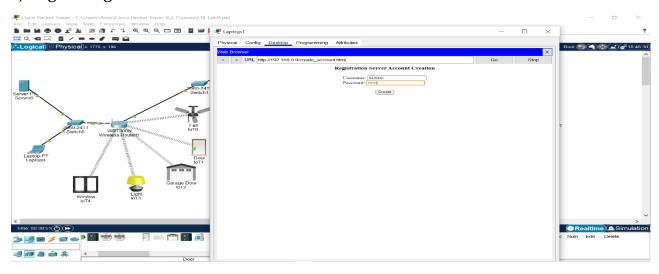
Steps: 1) configuring IOT server:



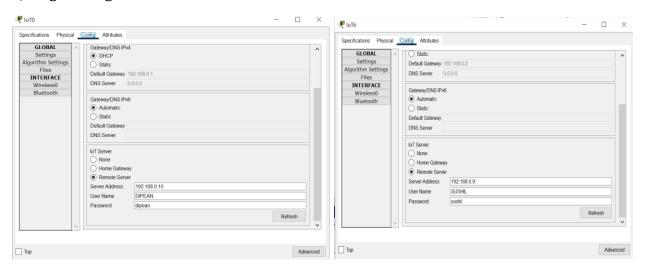
2) Configuring Wireless router:



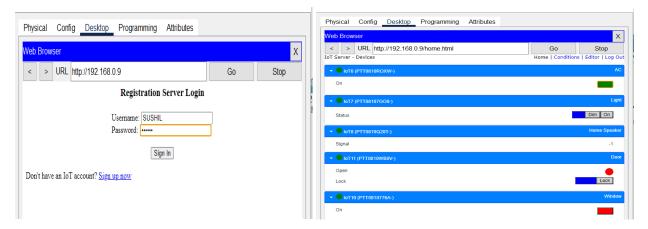
3) Registering IOT servers:



4) Registering IOT devices:

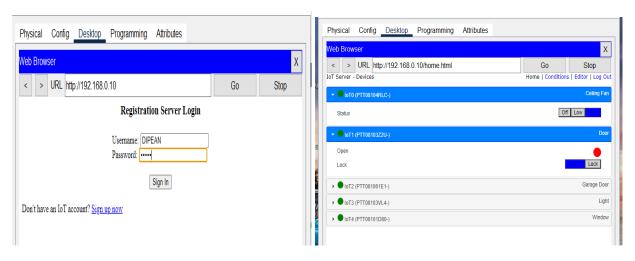


5) Login to IOT server from Laptop:



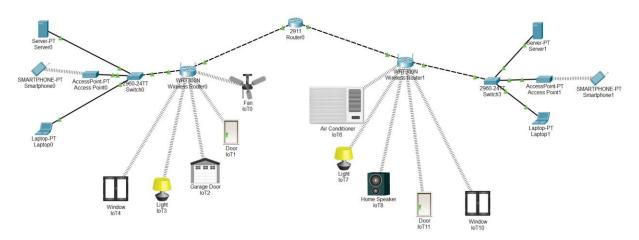
Here we have logged into the other IOT server of 2^{nd} house from Laptop0 of 1^{st} house. We have also turned on the AC of 2^{nd} house from laptop0.

Similarly,



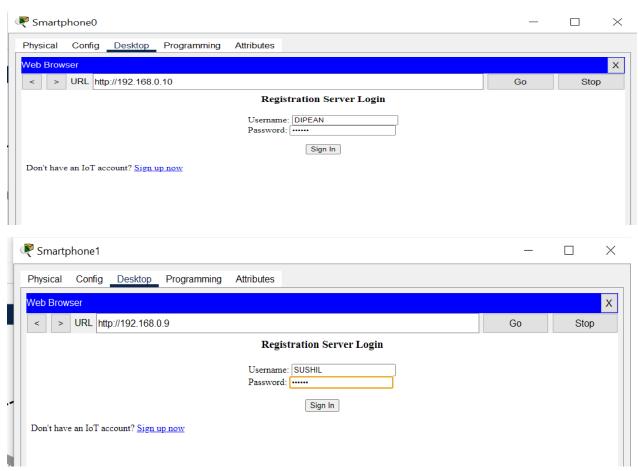
We have logged into iot server of 1st house from Laptop1 which is in 2nd house. We have turned on the fan of 1st house from Laptop1.

(2) Use a mobile phone to communicate with IoT devices.



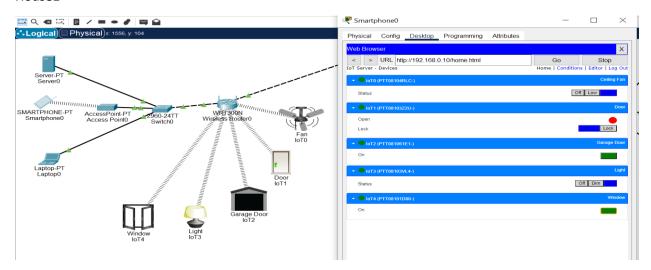
Here, mobiles are connected sing Access point connected with switch.

Logging in IOT server:



Controlling IOT devices from Mobile phones:

House1



House2

