The American University in Cairo

School of Sciences and Engineering

Internet of Things: Networking Protocols

Course Project

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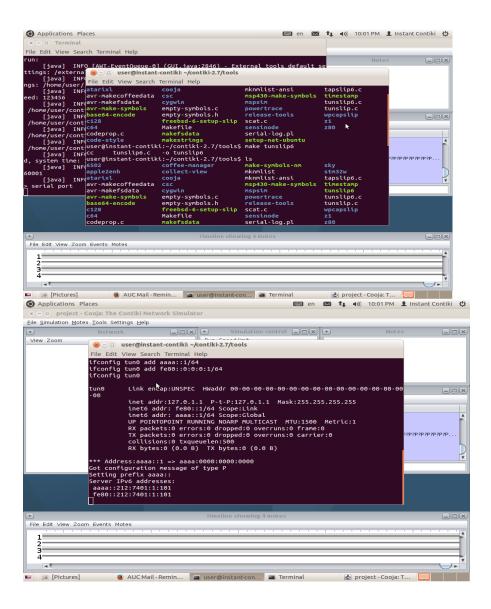
Ta: Nada Elgaml

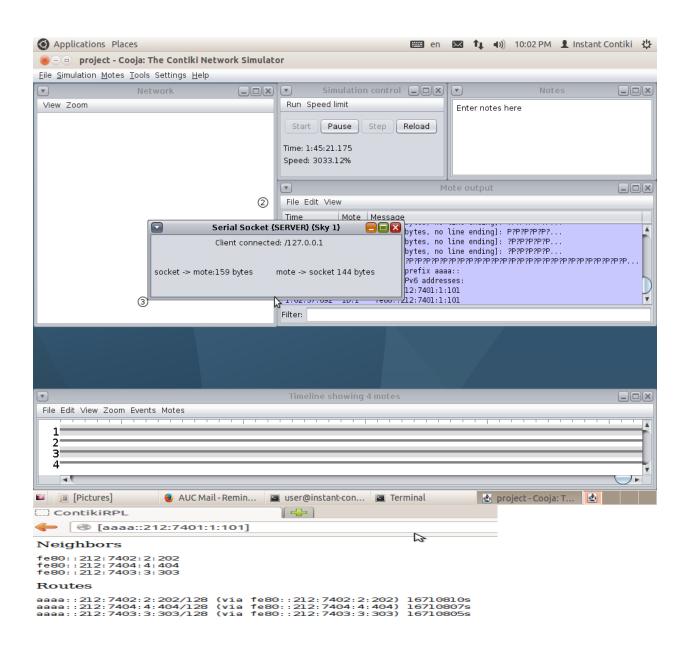
Hesham Hammad

Marie Elia

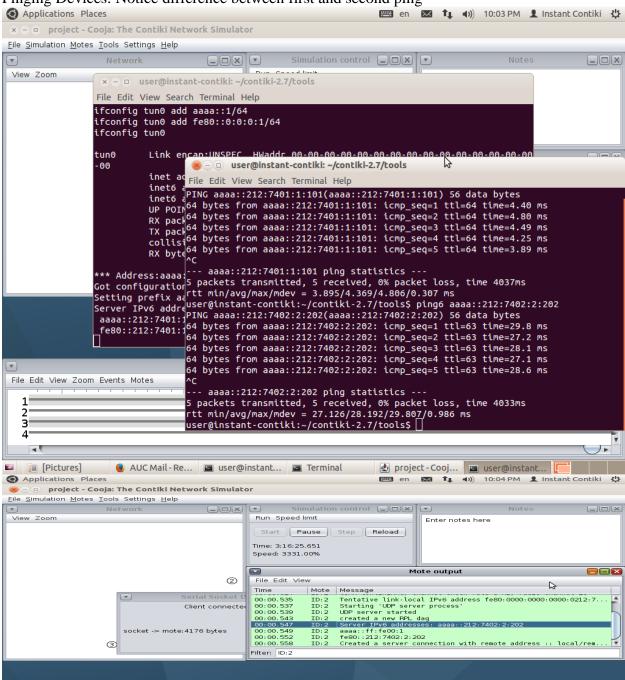
Part 1:

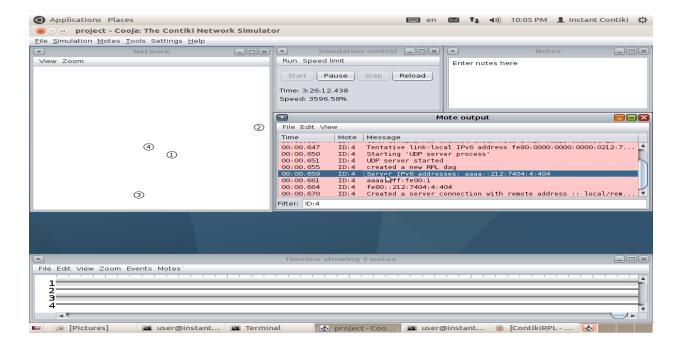
Before we start the simulation we need to make sure that the border router and the UDP Server are ready to be used. We added 1 of the border router, which enables the network of lot devices to connect to the internet through ipv6 and to pass the information that it got from the other motes in the network. After that 3 UDP server motes are added we need to start simulation of the network, which is forming the DAG between the motes of the network. The next step is to open the Serial Socket Server for border route which shows us the information about the bytes received and the port it is listening on.





Pinging Devices: Notice difference between first and second ping





Commands:

Cd contiki-2.7

Cd tools

cc tunslip6.c -o tunslip6

Sudo ./tunslip6 -a 127.0.0.1 aaaa::1/64

password:user

Part2:

