

ANRG:

Coap: REST example running on Cooja and Sky motes

https://anrg.usc.edu/contiki/index.php/REST_example_running_on_Cooja_and_Sky_motes

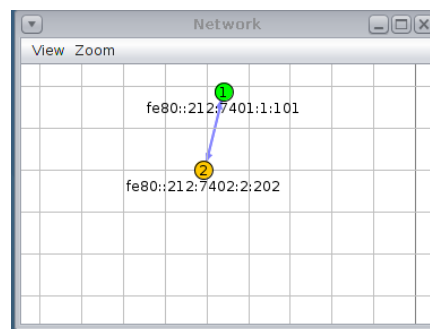
Example 1: COAP

1. Open the Makefile in the /contiki-2.7/examples/rest-example folder. For COAP server, make sure the WITH_COAP = 1 in the Makefile.

2. Open the terminal. Go to the /contiki-2.7/examples/rest-example folder. Run the following command given below:

```
make TARGET=cooja coap-client-server-example.csc
```

This opens the COOJA terminal which runs rest-server-example.c over COAP in one node having IP address aaaa::0212:7401:0001:0101 and coap-client-example.c in the another node having IP address aaaa::0212:7402:0002:0202. COAP uses 61616 port number as default. The client in the example periodically accesses the resources of the server and prints the payload which can be seen on the mote output. The Network looks as shown below:



3. Start the Simulation and observe the mote output. The Output is displayed as shown in the below window.

Time	Mote	Message
01:00.784	ID:2	
01:05.550	ID:2	Client sending request to:[fe80:0000:0000:0000:0212:7401:0001:0101]:61616/light
01:05.778	ID:2	Incoming packet size: 18
01:05.781	ID:2	Response transaction id: 12 payload: 124:117
01:10.550	ID:2	Client sending request to:[fe80:0000:0000:0000:0212:7401:0001:0101]:61616/light
01:10.778	ID:2	Incoming packet size: 16

Questões:

a) Analise o Mode Output no simulador em execução e responda:

a.1. Qual o tipo de dado de monitoramento o cliente está solicitando ao servidor COAP?

a.2. Qual a informação do payload que o cliente imprime?-----
