



Open  
Source  
huh?

**EONS**

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<https://github.com/cosai/EONS/>





# What is it?

- Open source Wireless Network (discreet time) Simulator based on encounter dataset
- Implemented in Java
- Research or some application purposes
- Documented and well commented
- Runs on command line
- Outputs
  - Success Rates
  - Message Delay
  - Number of messages sent, received, added
  - Hop Count



# How to give the input?

- File input is checked and ping pong is tolerated.
- Number of messages and senders can be inputted.

nodeid1	nodeid2	StartTimeInSeconds	EndTimeInSeconds
1	3	45	67
3	7	56	60
23	56	120	1247



# How to run that?

- *java -jar Simulator.jar tracefile.txt tts prob #ofnodes #ofmessages  
#broadcasters alpha wantedprob isProphet lambda checkavg  
timelimit*
- Specify the parameters in parameters.bat/sh and run it many times
- Draw the graphs with some software (Matlab)
- To add your routing
  - Write a class, override a method
  - Change one line
- For more complicated stuff
  - Write a class with your methods
  - Change one line



# Questions?



- Ephesus in Turkey (Ionian city)

