

Running simulated sensors with simsens.jar

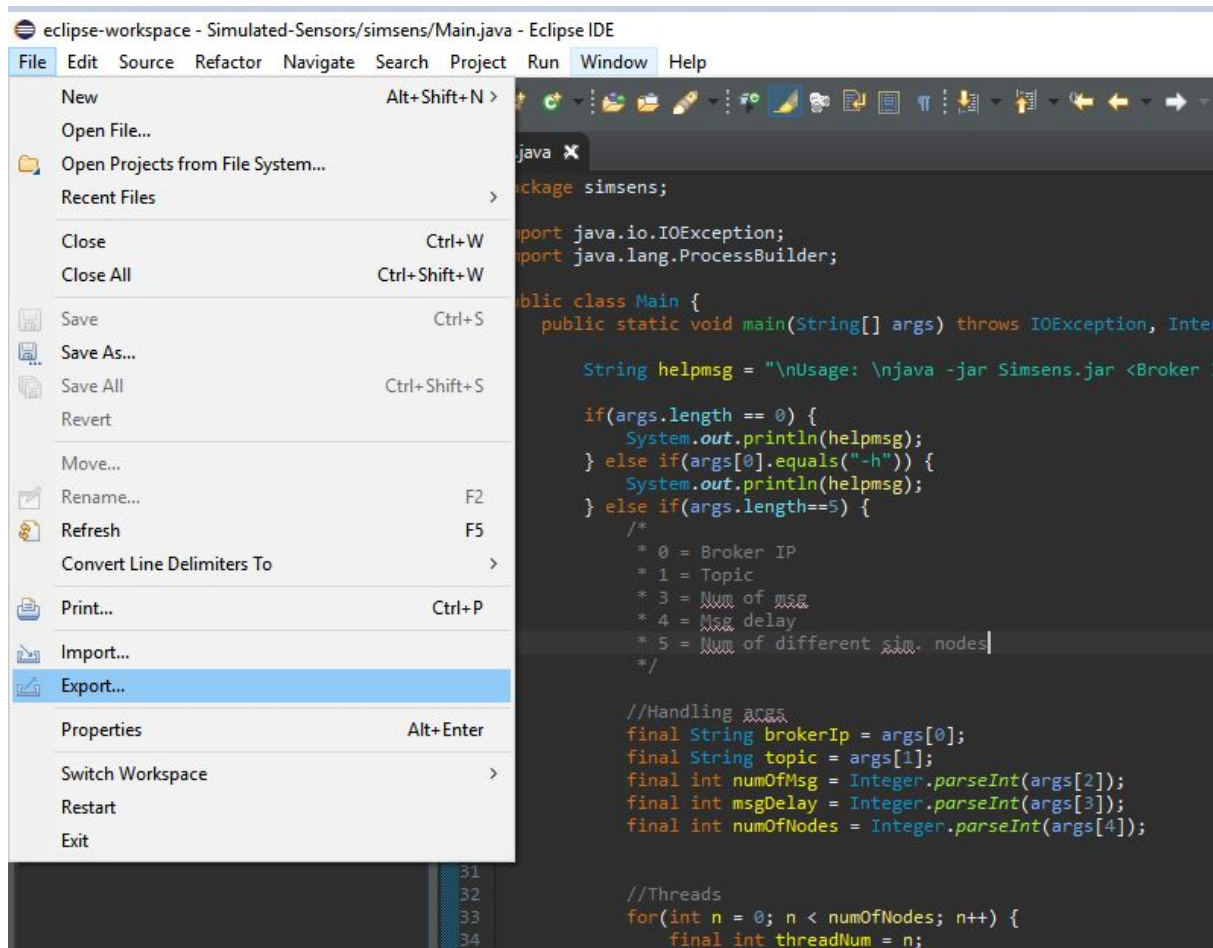
Making the JAR file

Clone and pull this repo

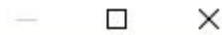
<https://github.com/team-ethernet/simsens>

Import the file into Eclipse (Might work with other Java IDE)

Export the code as a runnable JAR file.



Export



Select

Export all resources required to run an application into a JAR file on the local file system.



Select an export wizard:

type filter text

- ▶ General
- ▶ Install
- ▶ Java
 - JAR file
 - Javadoc
 - Runnable JAR file**
- ▶ Run/Debug
- ▶ Tasks
- ▶ Team
- ▶ XML

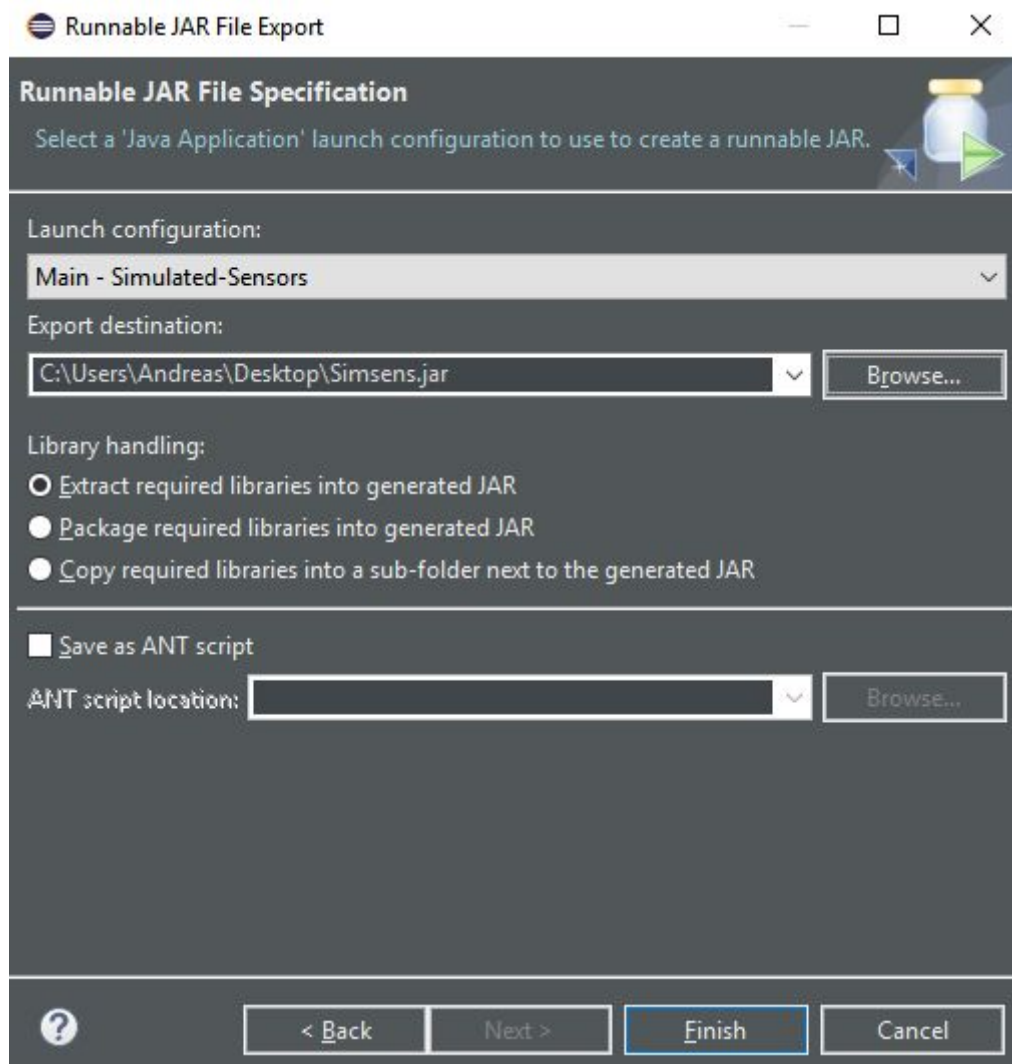


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Finish

Cancel



The .bat file

Put the file *mosquittotester.bat* from the git repo in the same directory as the exported .jar file.

The .bat file assumes you have Mosquitto installed in the following directory:

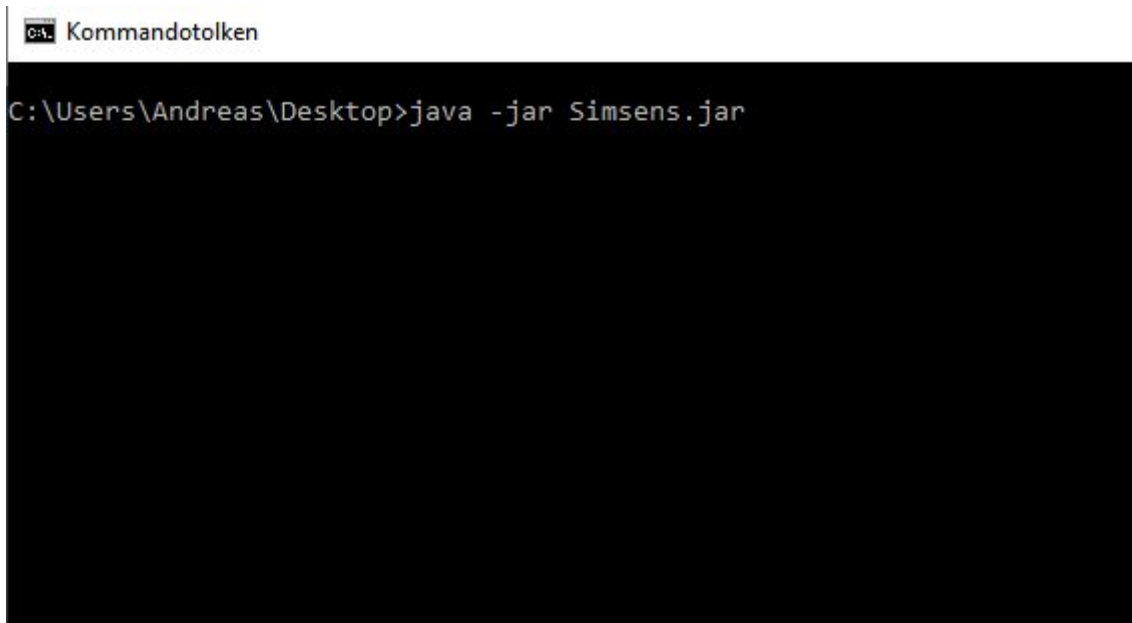
"C:\Program Files\mosquitto\"

If it isn't, open the .bat file and change the directory on line 2.

You are also able to change the port number in the .bat file on line 10.

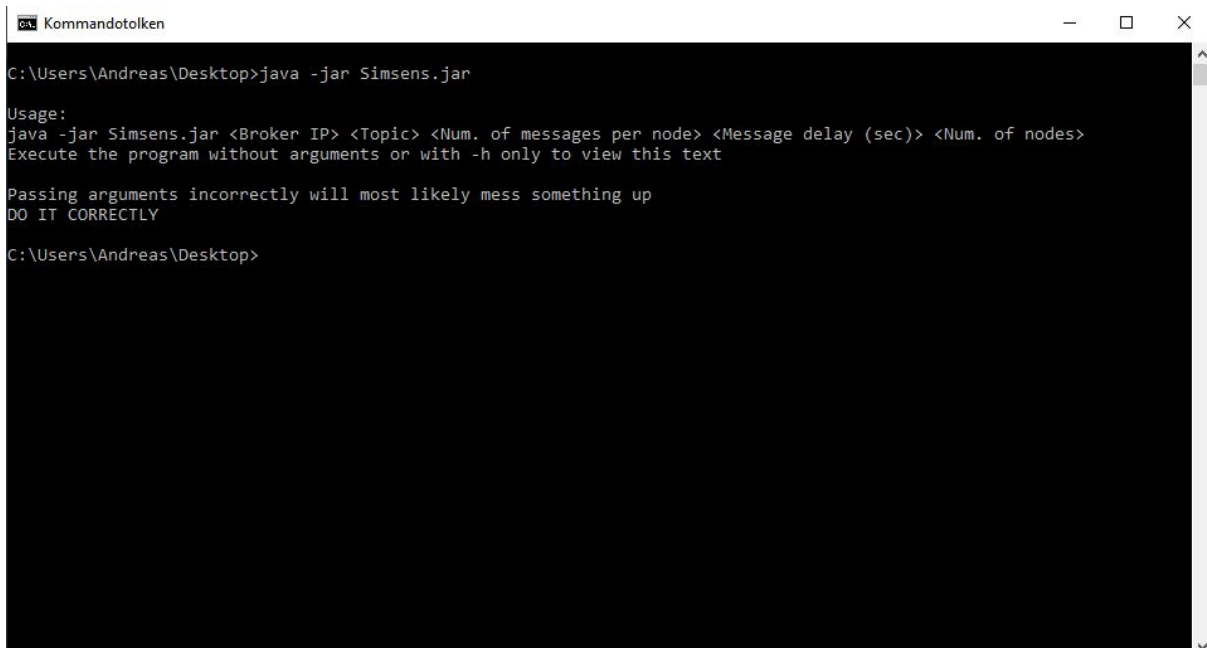
Running the program

Type the following command into CMD when in the same directory as the exported jar file.
java -jar Simsens.jar



```
C:\Users\Andreas\Desktop>java -jar Simsens.jar
```

Instructions on how to use the program will appear when not specifying any arguments



```
C:\Users\Andreas\Desktop>java -jar Simsens.jar

Usage:
java -jar Simsens.jar <Broker IP> <Topic> <Num. of messages per node> <Message delay (sec)> <Num. of nodes>
Execute the program without arguments or with -h only to view this text

Passing arguments incorrectly will most likely mess something up
DO IT CORRECTLY

C:\Users\Andreas\Desktop>
```