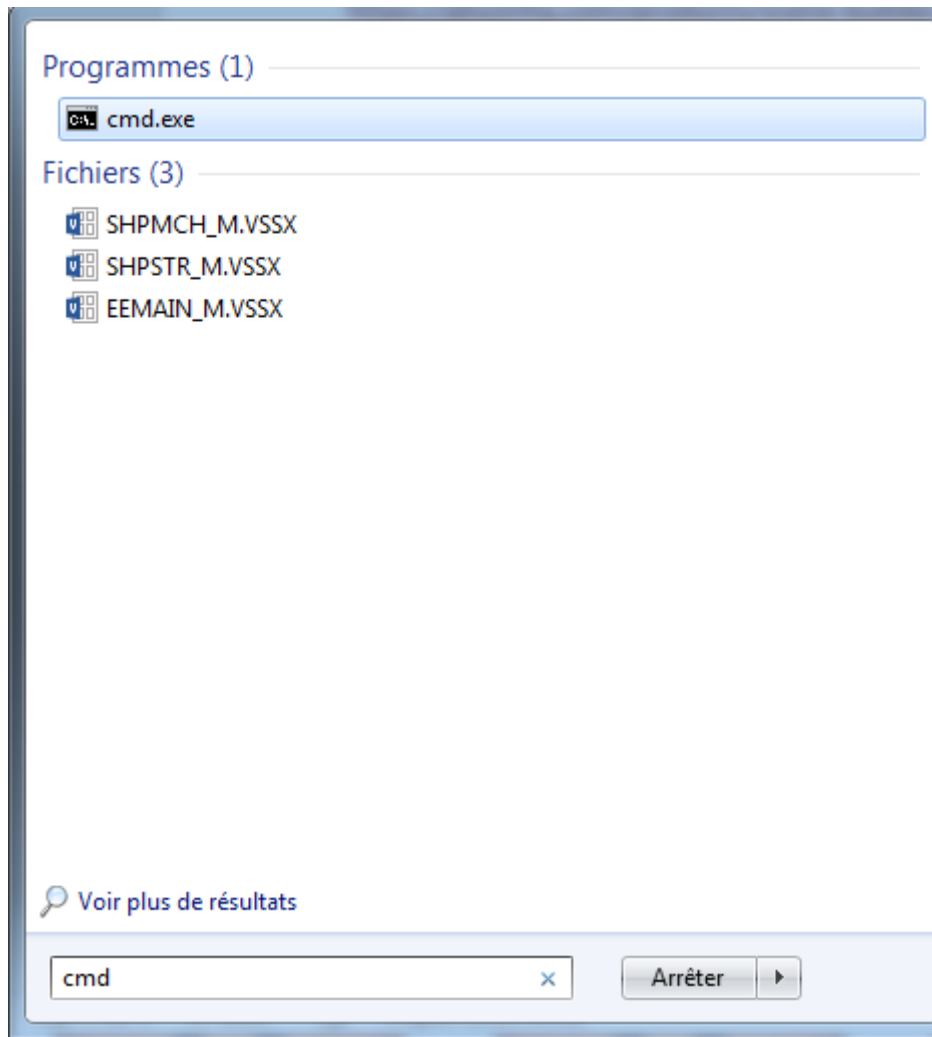


# How to use Trust'ePot Simulator for Windows

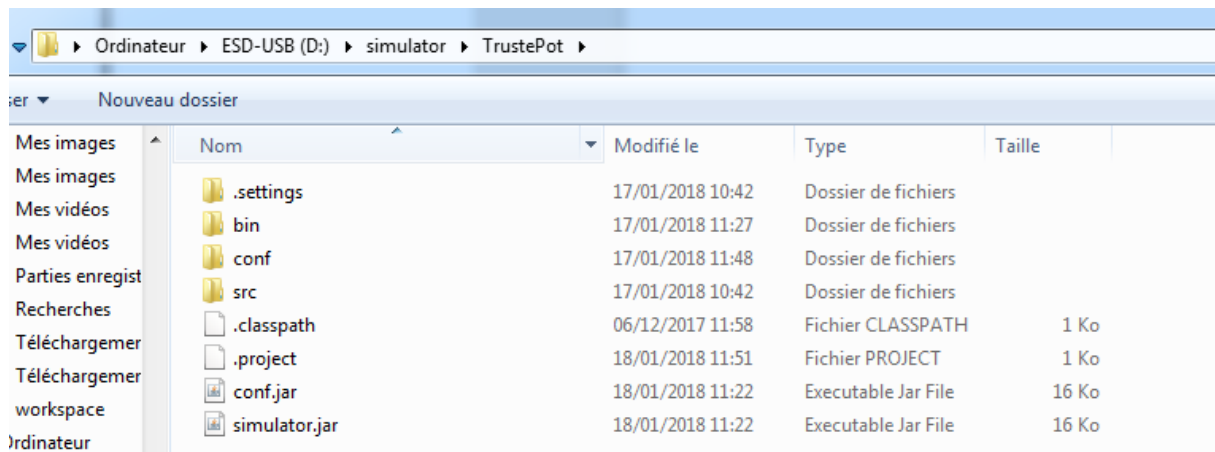
## 1) Open Terminal

Open a terminal by typing "cmd" in the search bar and clicking on "cmd.exe"



Locate the jar files in the simulator repository

```
D:\>cd simulator\TrustePot  
D:\simulator\TrustePot>
```



## 2) Launch configuration software

The configuration software generates a configuration file that can emulate a sensor.

Use the command **java -jar conf.jar**

```
D:\simulator\TrustePot>java -jar conf.jar
```

You can now fill all specifications for your sensor :

**Sensor Management**

Sensor id :       Send frequency :       Mosquitto repo path :

Client id :       Server :       Conf filename :

	Activated	Base Value	Max/Min Variation		Variation Type
Temperature :	<input checked="" type="checkbox"/>	<input type="text" value="20"/>	<input type="text" value="5"/>	<input type="text" value="5"/>	<input checked="" type="radio"/> Random <input type="radio"/> Triangular <input type="radio"/> Sinusoidal
Moisture :	<input checked="" type="checkbox"/>	<input type="text" value="30"/>	<input type="text" value="5"/>	<input type="text" value="5"/>	Min to Max Value : <input type="text" value="10"/>
Light :	<input checked="" type="checkbox"/>	<input type="text" value="400"/>	<input type="text" value="50"/>	<input type="text" value="50"/>	
pH :	<input checked="" type="checkbox"/>	<input type="text" value="7"/>	<input type="text" value="2"/>	<input type="text" value="2"/>	

Once you're done, click "Export". Your file has been generated in the "conf" folder.

### 3) Run the simulation

Type the command with your configuration file previously generated in parameter:

**java -jar simulator.jar <your configuration file>**

```
D:\simulator\TrustePot>java -jar simulator.jar conf.txt
DEMARRAGE DE LA SIMULATION...
C:\Program Files (x86)\mosquitto\mosquitto_pub -t plants/d051931f37d2fb2699a2c8d
ea2b2768de069327f -m <$sensor$:$15$, $temp$:$15.3$, $moisture$:$27.71$, $light$:$37
9.12$, $pH$:$8.13$> -h iot.eclipse.org
C:\Program Files (x86)\mosquitto\mosquitto_pub -t plants/d051931f37d2fb2699a2c8d
ea2b2768de069327f -m <$sensor$:$15$, $temp$:$18.46$, $moisture$:$30.17$, $light$:$3
67.71$, $pH$:$8.87$> -h iot.eclipse.org
C:\Program Files (x86)\mosquitto\mosquitto_pub -t plants/d051931f37d2fb2699a2c8d
ea2b2768de069327f -m <$sensor$:$15$, $temp$:$21.79$, $moisture$:$31.73$, $light$:$3
73.72$, $pH$:$6.47$> -h iot.eclipse.org
C:\Program Files (x86)\mosquitto\mosquitto_pub -t plants/d051931f37d2fb2699a2c8d
ea2b2768de069327f -m <$sensor$:$15$, $temp$:$21.2$, $moisture$:$28.88$, $light$:$40
2.68$, $pH$:$7.94$> -h iot.eclipse.org
C:\Program Files (x86)\mosquitto\mosquitto_pub -t plants/d051931f37d2fb2699a2c8d
ea2b2768de069327f -m <$sensor$:$15$, $temp$:$21.08$, $moisture$:$32.06$, $light$:$4
11.07$, $pH$:$7.86$> -h iot.eclipse.org
C:\Program Files (x86)\mosquitto\mosquitto_pub -t plants/d051931f37d2fb2699a2c8d
ea2b2768de069327f -m <$sensor$:$15$, $temp$:$19.13$, $moisture$:$27.15$, $light$:$3
59.8$, $pH$:$7.42$> -h iot.eclipse.org
D:\simulator\TrustePot>
```

The simulation should start now. You can stop it with **Ctrl+C**