

1. Deployment Versions

1.1. Starting the Server

First you need to configure it correctly:

In the .conf file set the:

```
server.htmloutputpath=C:/xampp/xampp/htdocs/EnvironmentalMonitoring/html
```

to an existing directory in this directory you have to copy the 3 Files provided in the “statics” folder, if you want to use the dynamic php features.

Then you can start the server via the .jar file. If you want to test with many clients, it is advisable if you increase the xms/xmn/xmx values for the jvm.

1.2. Starting the Clients

You can start the viewing client either by executing the jar file directly or via the bat file, if you want to use the manager, you have to append some commandline argument or use appropriate .bat file.

IMPORTANT: When you want to use the manager, the port number has to be one higher! So instead of 4444 you have to connect to 4445 if you want to use admin features.

1.3. Starting the Sensors

You can start the sensor directly over the .jar file if you want to use localhost and the default port (4441). If you want to connect to a foreign host or a different port you have to specify this via commandline arguments, e.g.:

```
java -jar Sensor-release.jar 192.168.0.1 8080
```

2. Starting via Eclipse

2.1. Requirements:

You have to have maven and the maven eclipse plugin installed so the dependencies will be downloaded.

IMPORTANT: Then you need to install the swtchart libraries into your local maven repository, to do so, follow the instructions under `Source/libs/ExecuteMe.txt` if you don't do this, you will get dependency errors later!

Then you can import the 5 projects that start with EnvironmentalMonitoring.

2.2. Running it

Server: ServerApp.java

Client: SensorViewer.java, SensorManager.java

Sensors: SensorApp.java

Load tests: ConsoleTestAdminClient.java, SensorTester.java