

Station simulator

Dummy java application developped with love for the training.

All you need to know is in this document

Image name

Application available : eu.gcr.io/formation-k8s-247908/station-simulator:latest

Database

Uses hsql db by default. This can be changed to PostgreSQL by providing the following environment variables :

- **JDBC_URL** : should look like : `jdbc:postgresql://<db_host>:<db_port>/<db_name>`
- **DB_USER_NAME** : specify the database user name
- **DB_USER_PWD** : specify the database user password

API

path	Method	params	action
/	GET	N/A	Returns "OK"
/version	GET	N/A	return the value of the <code>app_version</code> environment variable
/meteo	GET	Optional <code>name</code> , default value to <code>world</code>	Returns the meteo
/boom	GET	N/A	Kills the JVM
/file	GET	Optional <code>fileName</code> , default value to <code>input.txt</code>	Returns the content of the file located in <code>/var/meteo/\$fileName</code>

path	Method	params	action
/record	POST	Required value . Data to be saved in db	<p>The saved content. Should look like</p> <pre>{ "id": 1, "data": "First record ever!!! "</pre> <p>Via curl : curl --location --request POST 'http://localhost:8080/record?value=First%20record%20ever%21%21%21%20F0%9FA4%98'</p>
/records	GET	N/A	Fourni la liste de tous les records ajoutés
/memory	GET		Returns short memory (heap) usage description
/memory	POST	Required size . Size of memory to consume in Mo	<p>Consume memory in heap</p> <pre>curl -X POST "localhost:8080/memory?size=100"</pre>
/memoryOut	POST	Required size . Size of memory to consume in Mo	<p>Consume memory in main memory (out of heap)</p> <pre>curl -X POST "localhost:8080/memoryOut?size=100"</pre>

path	Method	params	action
/cpu	POST	Required thread . Nb thread of worker to start	Start a thread consuming CPU and logging speed <pre>curl -X POST "localhost:8080/cpu?thread=10"</pre>