

Coding challenge

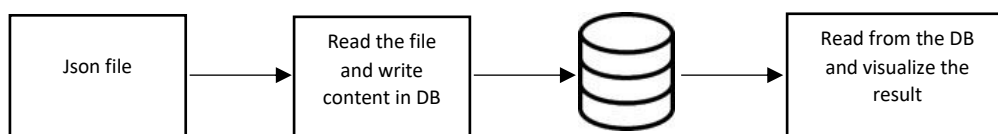
The main purpose of the challenge is to read data from a file, store the data in a data base, read the data from the database and visualize the data in a GUI (Graphical User Interface).

Focus is on deploying this approach distributed, this means in virtual machines (VM) or in containers on your machine and not in the cloud.

In order to fulfil this challenge please set up a database of your choice. Read the *GPS_track.json* file and use the latitude (lat) and longitude (lon) key value pairs inside the file as input for your database. The top key of every object is the relative timestamp in milliseconds. Create a meaningful structure in the database where the coordinates are stored. Read the data and visualize it on a map of your choice. Please try to highlight some interesting statistics of the data in the visualization.

Please setup the complete toolchain on your machine with different VMs or containers for each logical step.

Expected process:



Please prepare a presentation of your approach for the discussion of the results.