

What need to do:

We want to read data from MySql table (using SQL2JSON), get it as a new json file and use mezaveg script to alter the JSON file structure to a requested new JSON format (Appendix B) and then sent the result JSON as parameter to a given url.

We have all codes for that, need to make them all sing together, and make them boot with the machine. Project should run on a Centos7 VPS we will supply.

Code we have:

- MeZAVAG - a JSON Joiner. (json_unify.py)

a program to Join of two JSON files, by a given join rules.

Input (MJSON,FJSON,Tikonim) => Output (CJSON,LogOfChanges)

- MJSON – Male (1st) JSON File.
- FJSON – Female (2nd) JSON File.
- Tikonim – a JSON file of adjustments for joining the M&F JSON Files in order to deliver a CJSON.
- CJSON – Child JSON, the final JSON that will be born from the Join and Tikonim.

- SQL2JSON

a code that delivers SQL queries results as JSON from a web server

This Code is assembeled from 2 parts

- S2JReadDB Python script that access the data and builds the JSON file result.
- S2JServer PHP code acts as a web server, getting the requests with parameters, activates the python script and handing back the JSON result

- S2JReadDB

a Python script that access the data and builds the JSON file result.

sample of command line:

```
$ S2JReadDB -dbIp "192.168.3.4", -dbName "hinb_mydb" -dbUser "hinb_user" -dbPass "0987654321!!" -  
TableName "VisitTimesTable" -keyValue "(/time/,"12:20.44/"),(/visitorID/,"32332442/"),(/room/,"34/")"
```

- S2JWebServer

a PHP script that will get the parameters in the format of URL params, activates S2JReadDB and return the created JSON

<http://www.mydomain.com/>
S2JWebServer.php?"dbIp"="192.168.3.4"&"dbName"="hinb_mydb"&"dbUser"="hinb_user"&"dbPass"="0987654321!!"&"TableName"= "VisitTimesTable"&"keyValue"="(/time/,"12:20.44/"),(/visitorID/,"32332442/"),(/room/,"34/")"