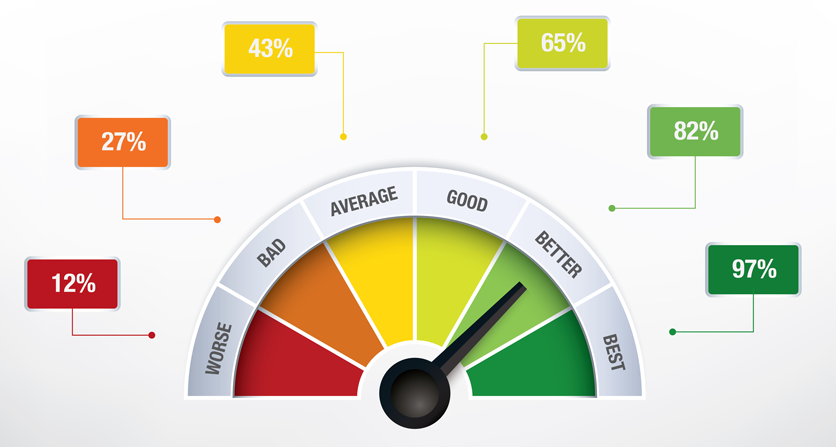
**JMeter Performance Testing with CSV Files**

**Design and Testing 2**

Ángel Delgado Luna

Belen Garrido López

Alejandro Rodríguez

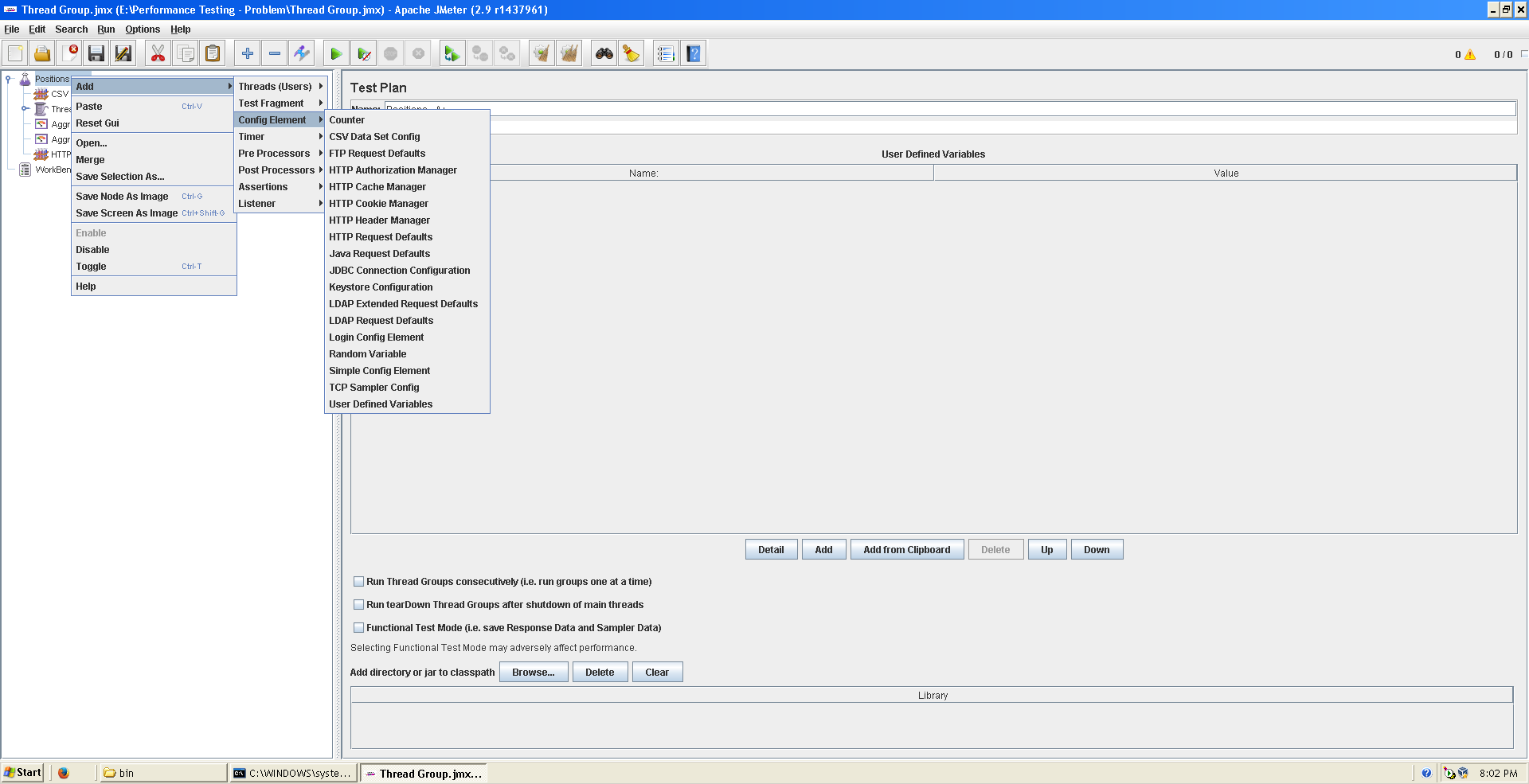
Ezequiel Portillo Jurado

Mª De Gracia Piñero Pastor

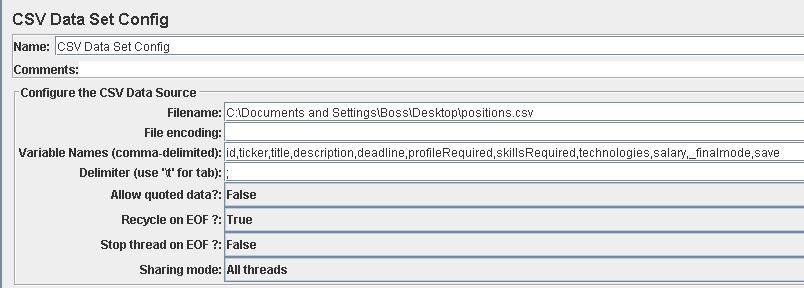
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6. **Running JMeter with CSV files**

First of all, we configure JMeter as explained in theory provided. Then, must create into our test plan, a CSV Data Set Config.



Then, we must define some parameters in order to let JMeter works with our CSV file.



**Filename**. In our case, we have set the file in our desktop.

**FileEncoding**. No necessary.

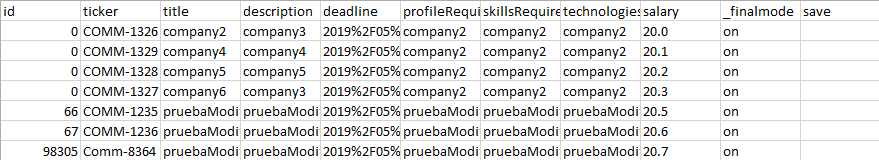
**Variable** **Names**. They must strictly be name in the same way as object java class. JMeter may have some problems when executing tests.

**Delimiter**. When a csv file, using excel tool, is created and this one is read using notepad tool from windows, columns appear separated by semicolons. We must tell JMeter, which delimiter is being used for the experiments.

1. **Entity chosen and its parameter**

The chosen entity has been ‘Position’. It has the following parameters:

* Id (It is zero when a position is being created)
* Ticker (For our system, ticker is considered an entity. But, in the saving process is considered a String. We provide a string which fits to the pattern provided)
* Title
* Description
* Deadline
* Profile Required
* Skills Required
* Technologies
* Salary
* Final Mode
* Cancel
* Company (ManyToOne relation)

Using any tool named in the step before, we create a table of data. Be careful of name the columns in the same way as java attributes.

\*Save parameter must be empty. It is the parameter used for save action.

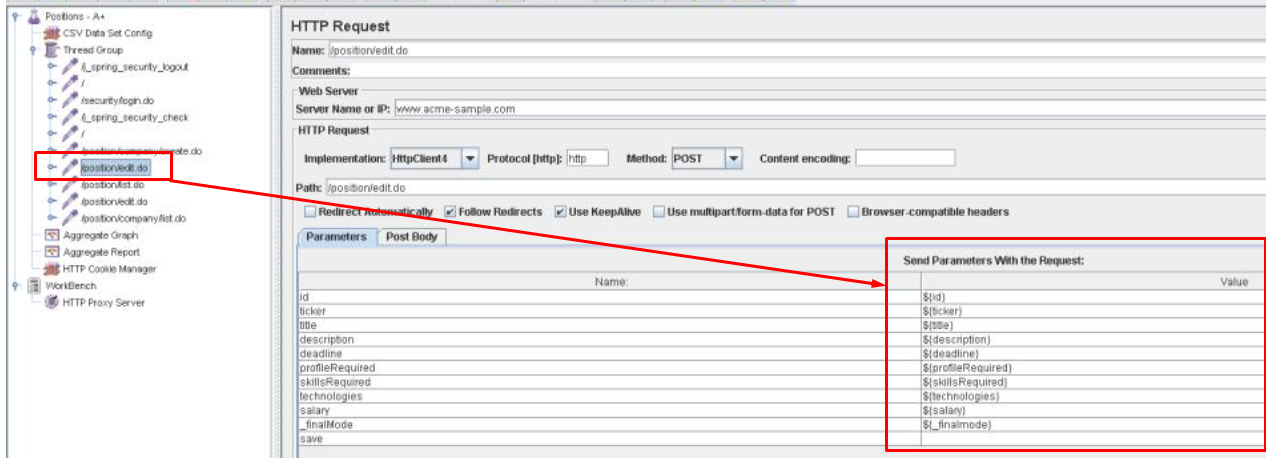
1. **Process followed**

According to the need of testing multiple cases in terms of performance, JMeter has allowed us with a csv file to register at every iteration multiple elements with other parameters.

The steps followed have been:

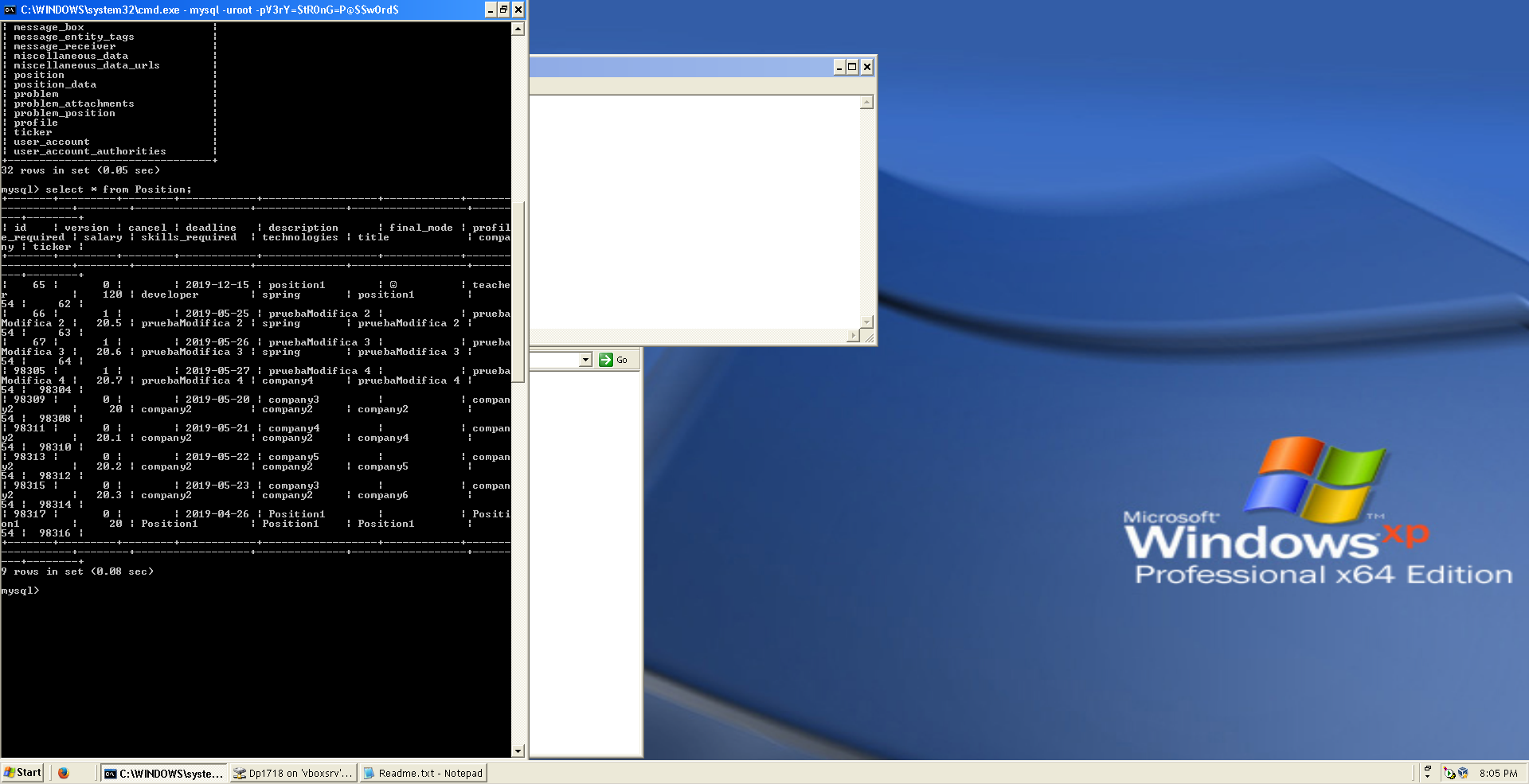
1. We start the HTTP proxy server. We record every user interaction related with position.
2. In position/edit.do, we modify all values from value´s column. Setting each value in keys with the name of every column declared on the csv file.

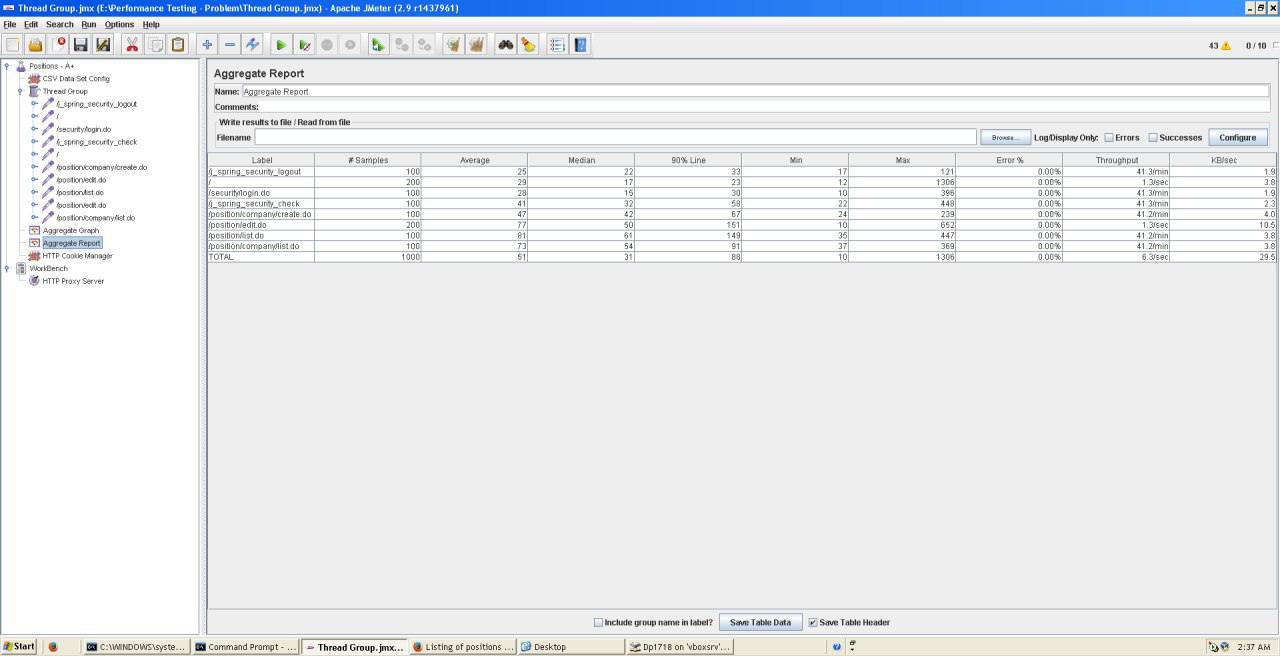
\*Note that the id which is different than zero, is the defined by the database when population process is executed.



**3. Results**

As it can be seen, JMeter records data into database. This system helps us to make multiple of performance test making use of different data respect to the saved on database.





\*Test done with 10 users and 100 iterations.

**4. Bibliography**

* [1] <https://guide.blazemeter.com/hc/en-us/articles/206733689-Using-CSV-DATA-SET-CONFIG>