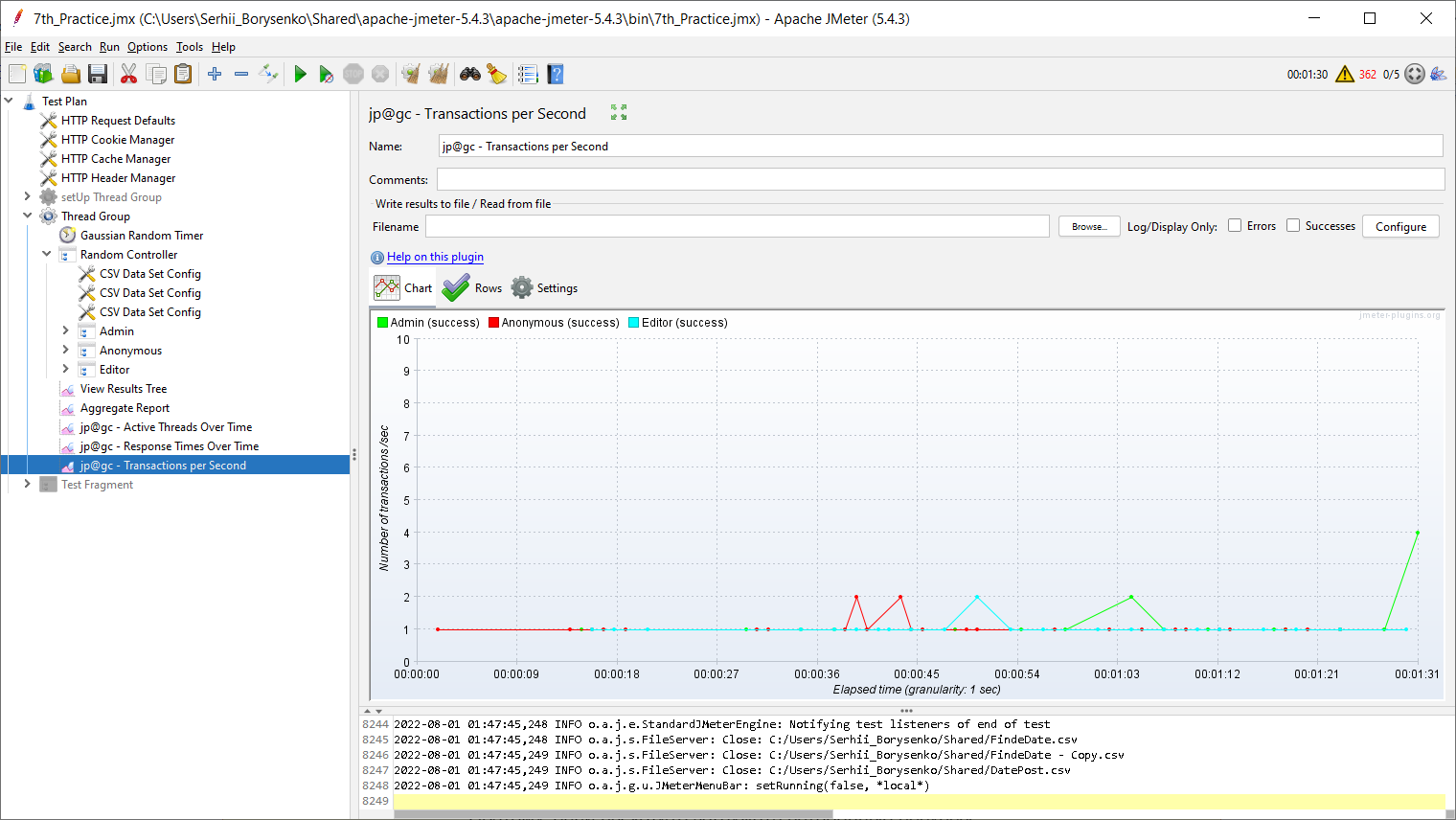
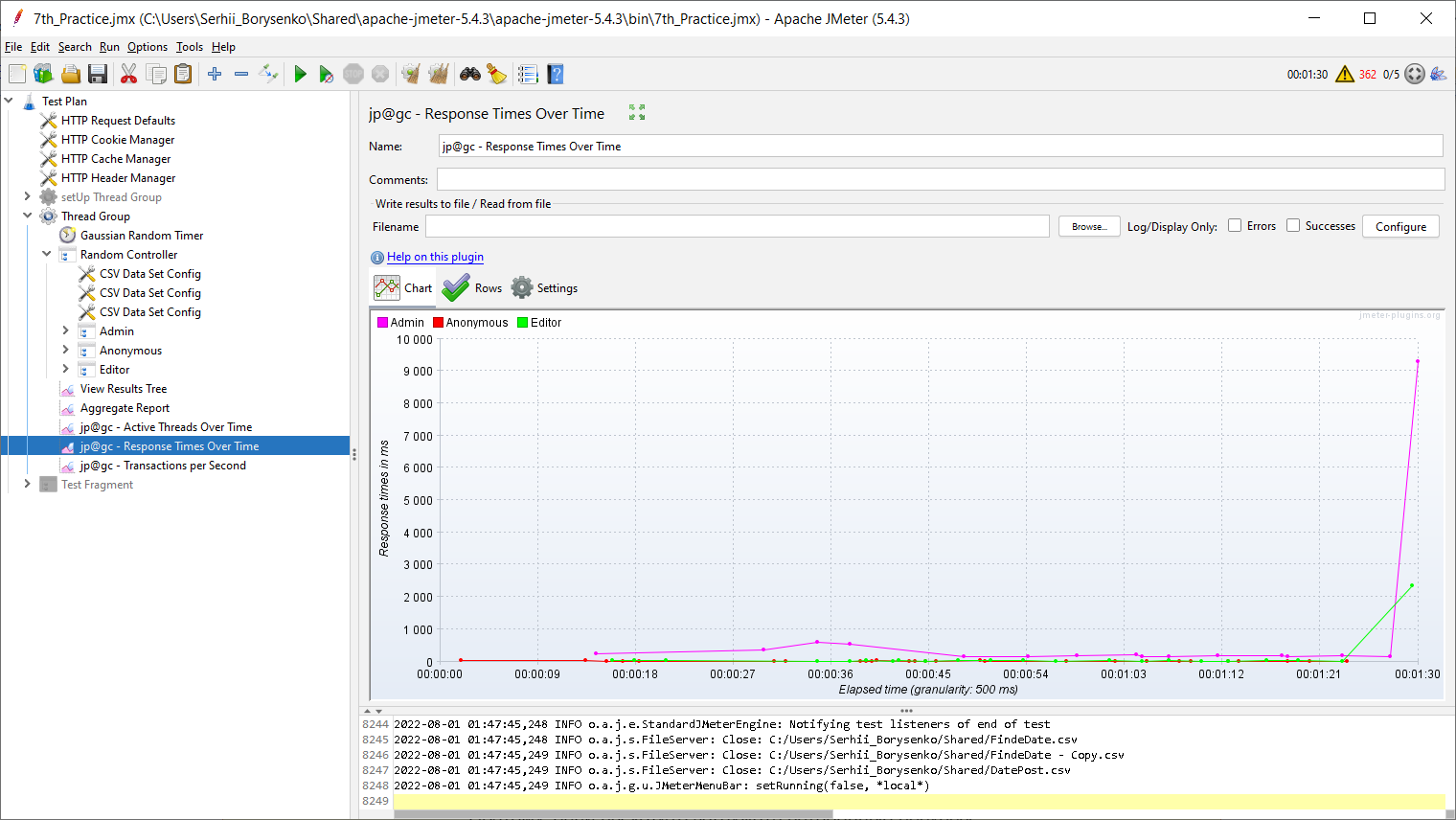
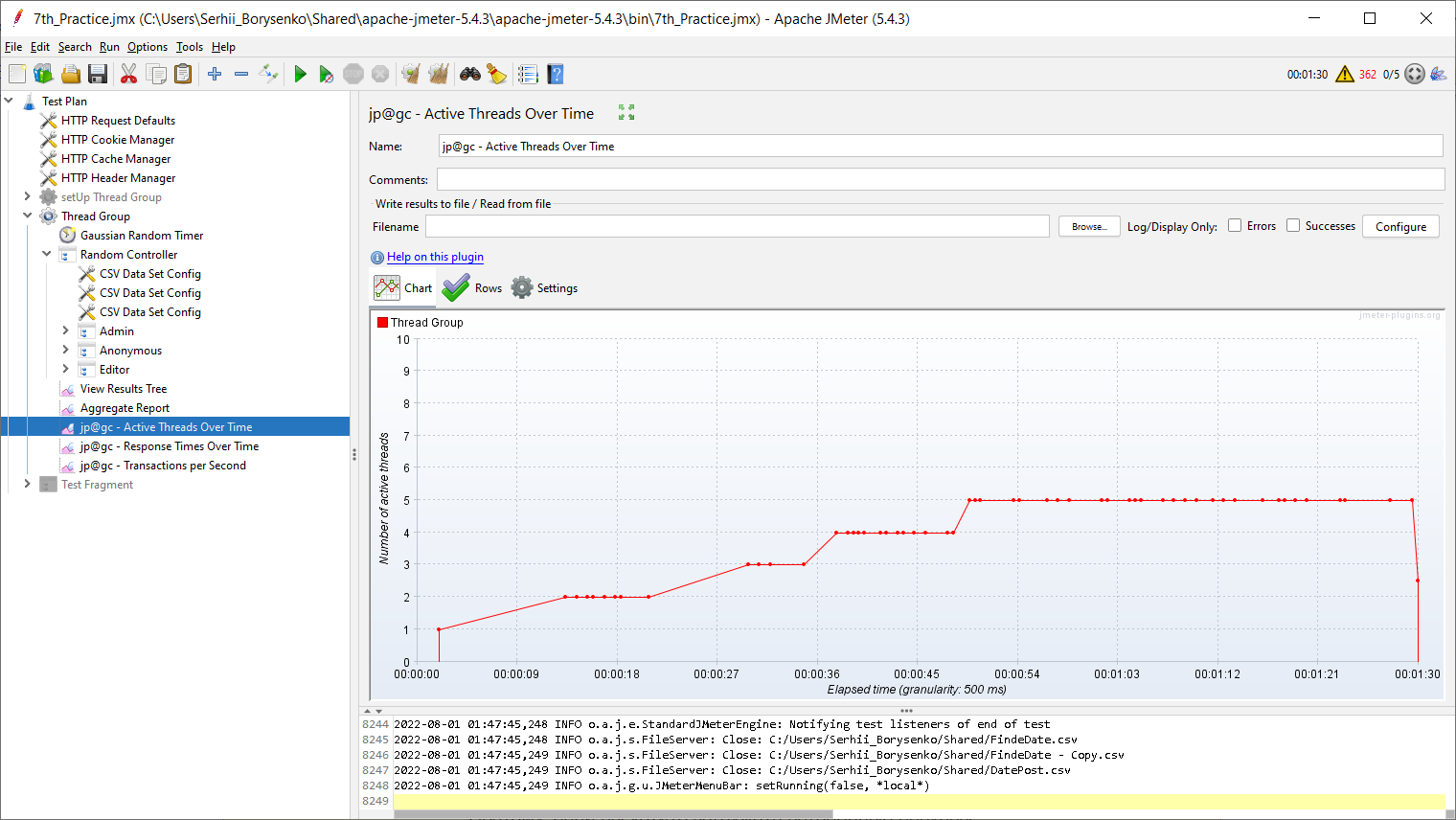
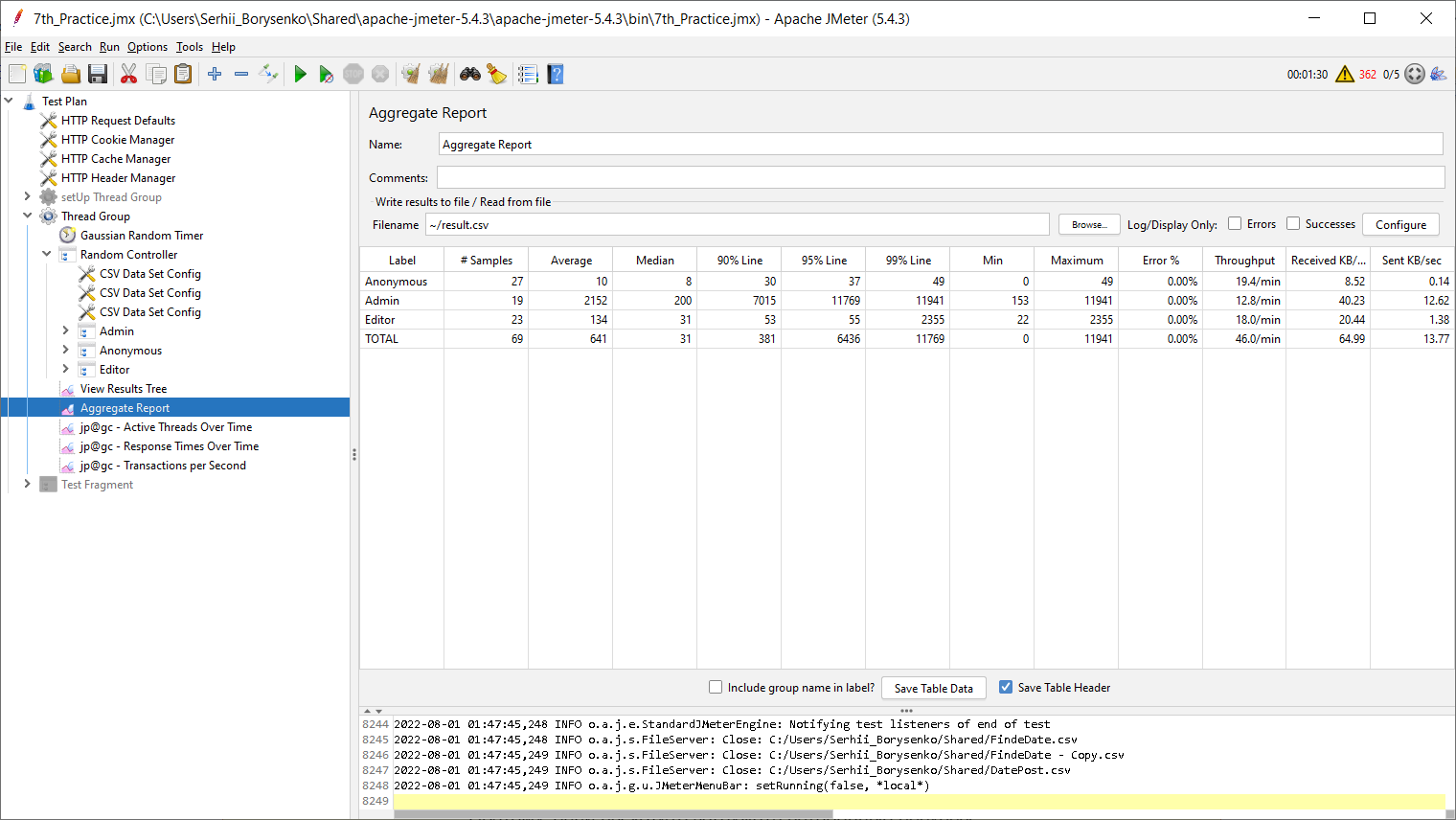
1. Using the results of task 7, the following regular load was determined(1CPU; 8Gb RAM):



1. Scaling CPU:

* 2 CPU:

Graphical user interface, application, table

Description automatically generated

Graphical user interface, chart, line chart

Description automatically generated

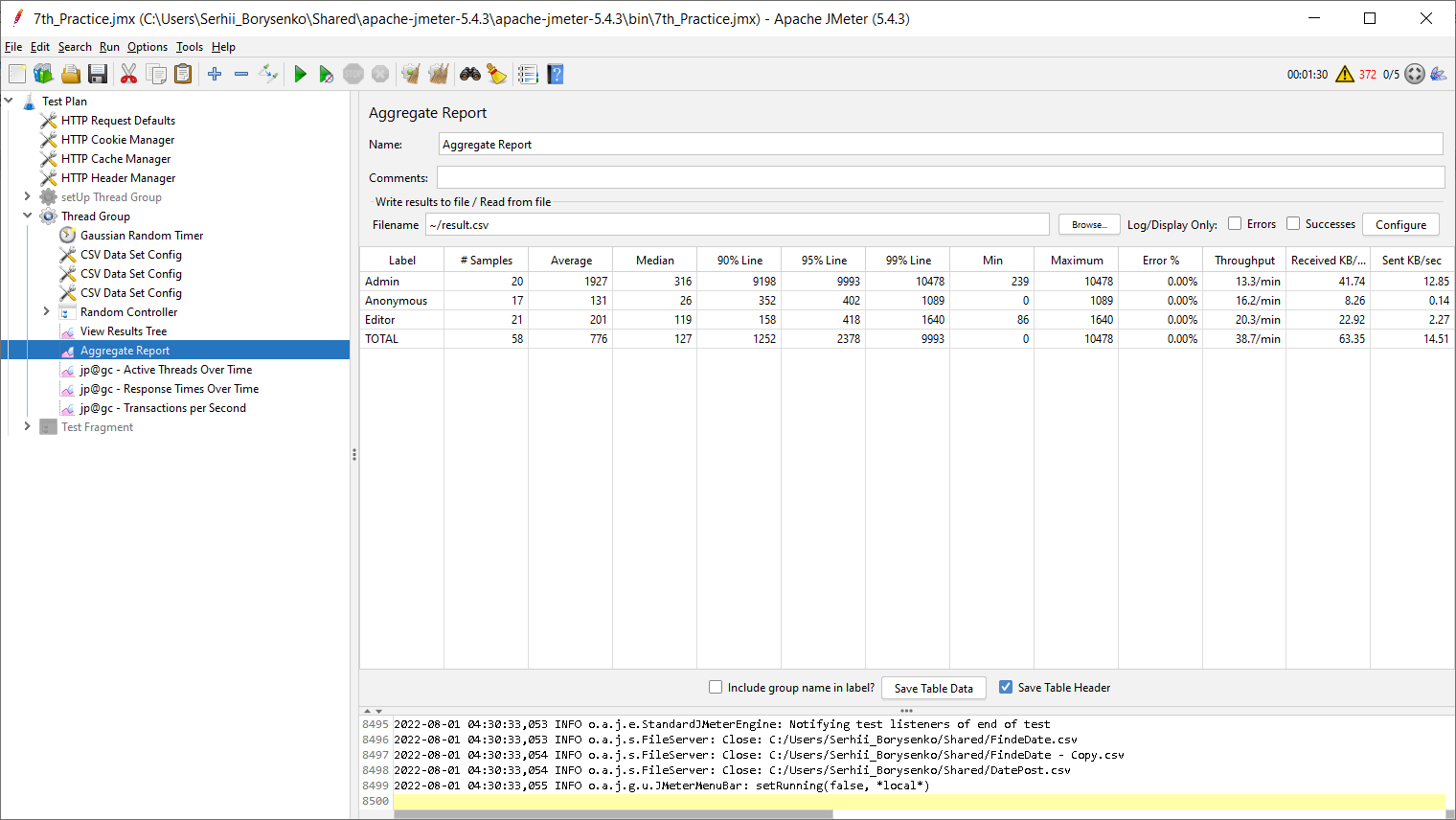
Graphical user interface, chart

Description automatically generated

A screenshot of a computer

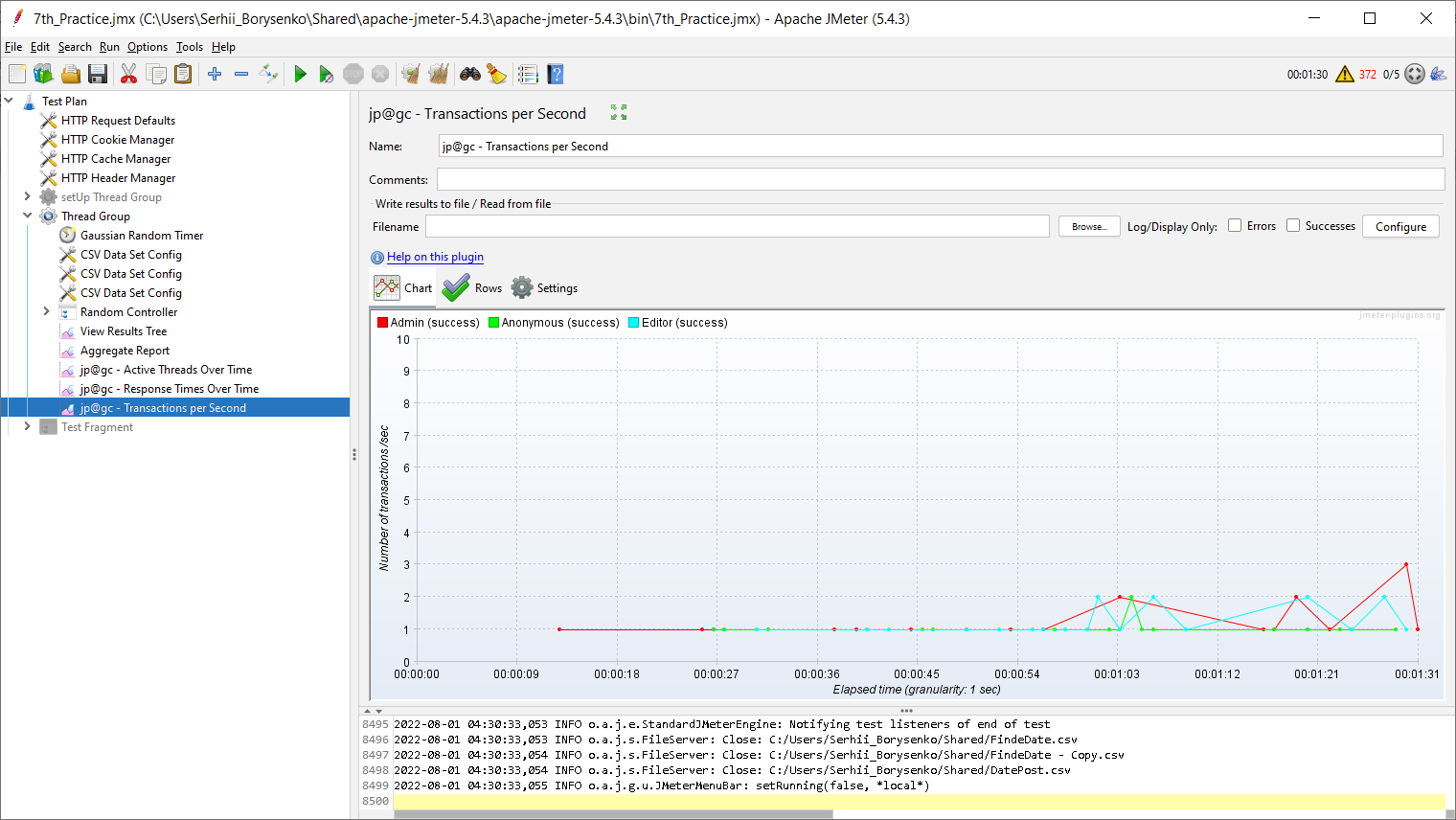
Description automatically generated

* 4 CPU:

Graphical user interface, chart

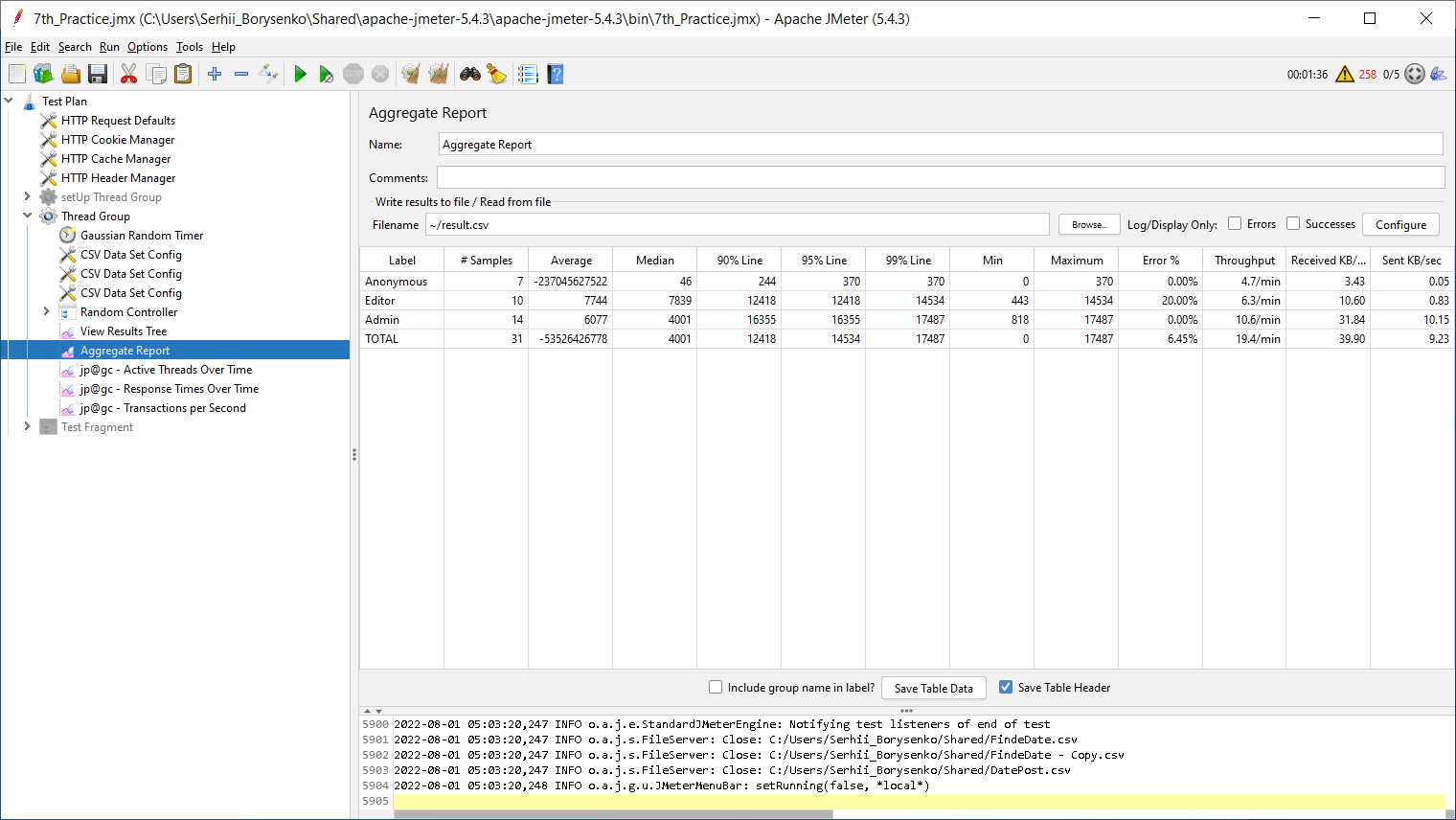
Description automatically generatedGraphical user interface, application

Description automatically generated

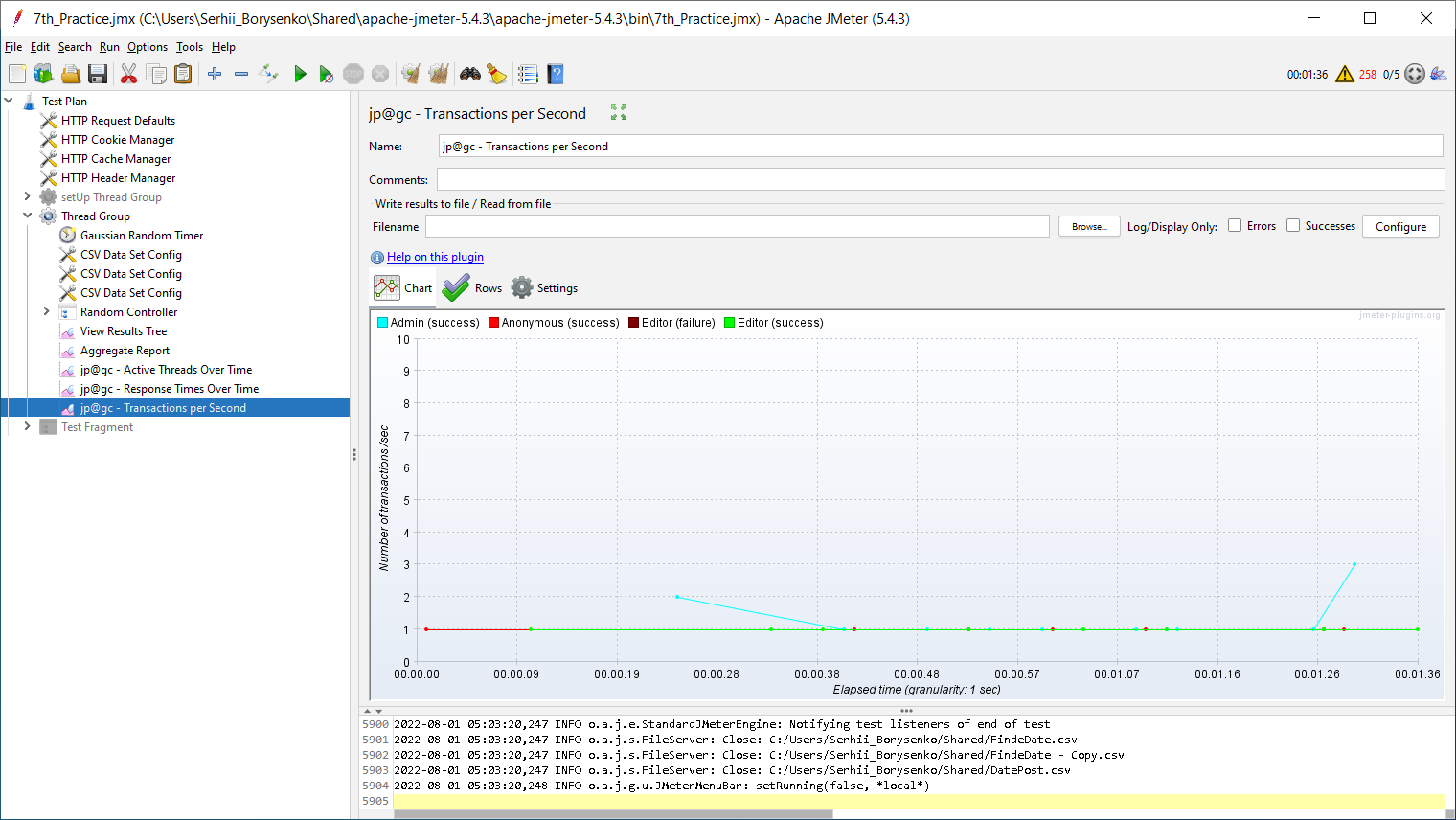


1. Scaling RAM:

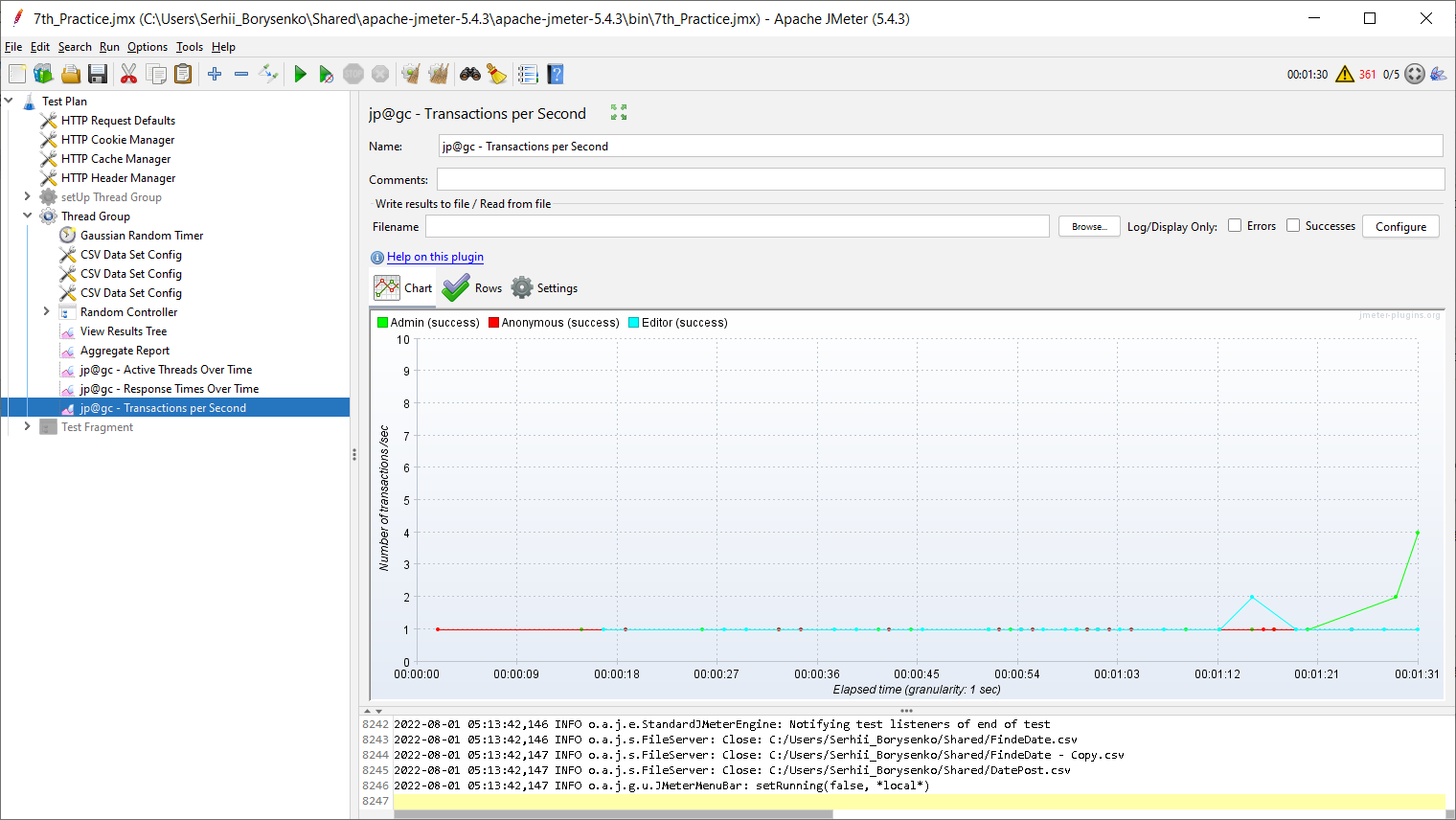
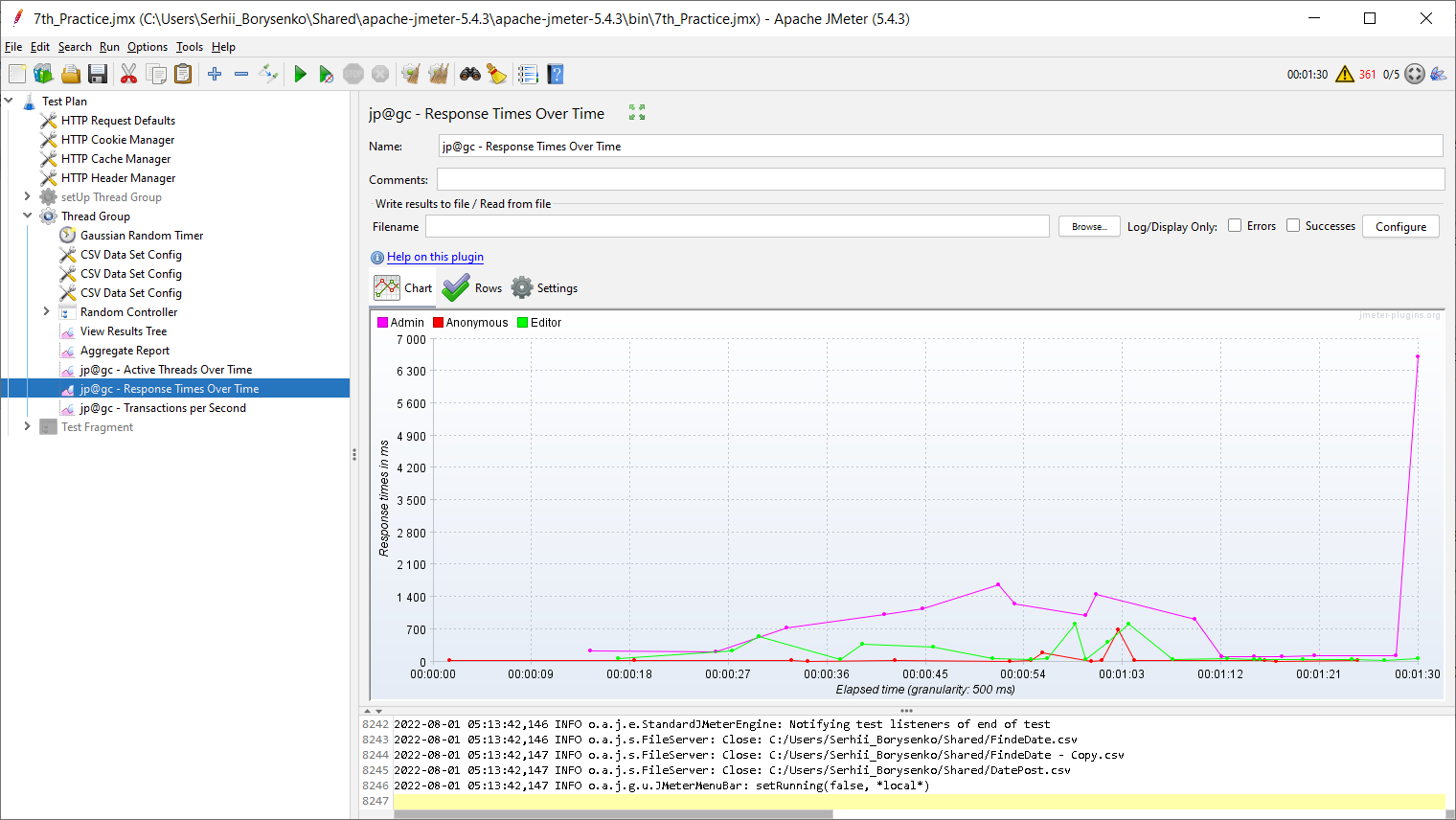
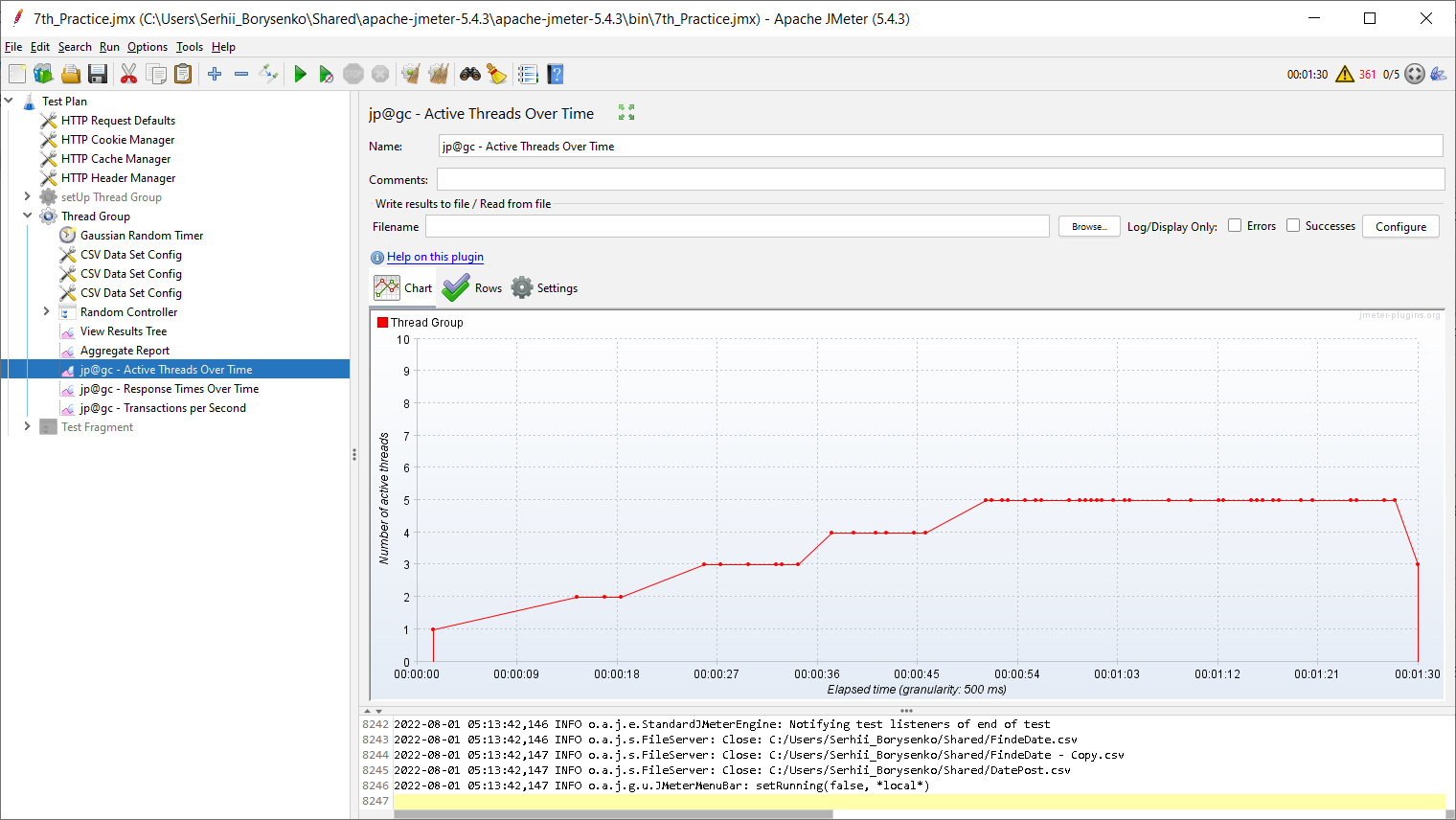
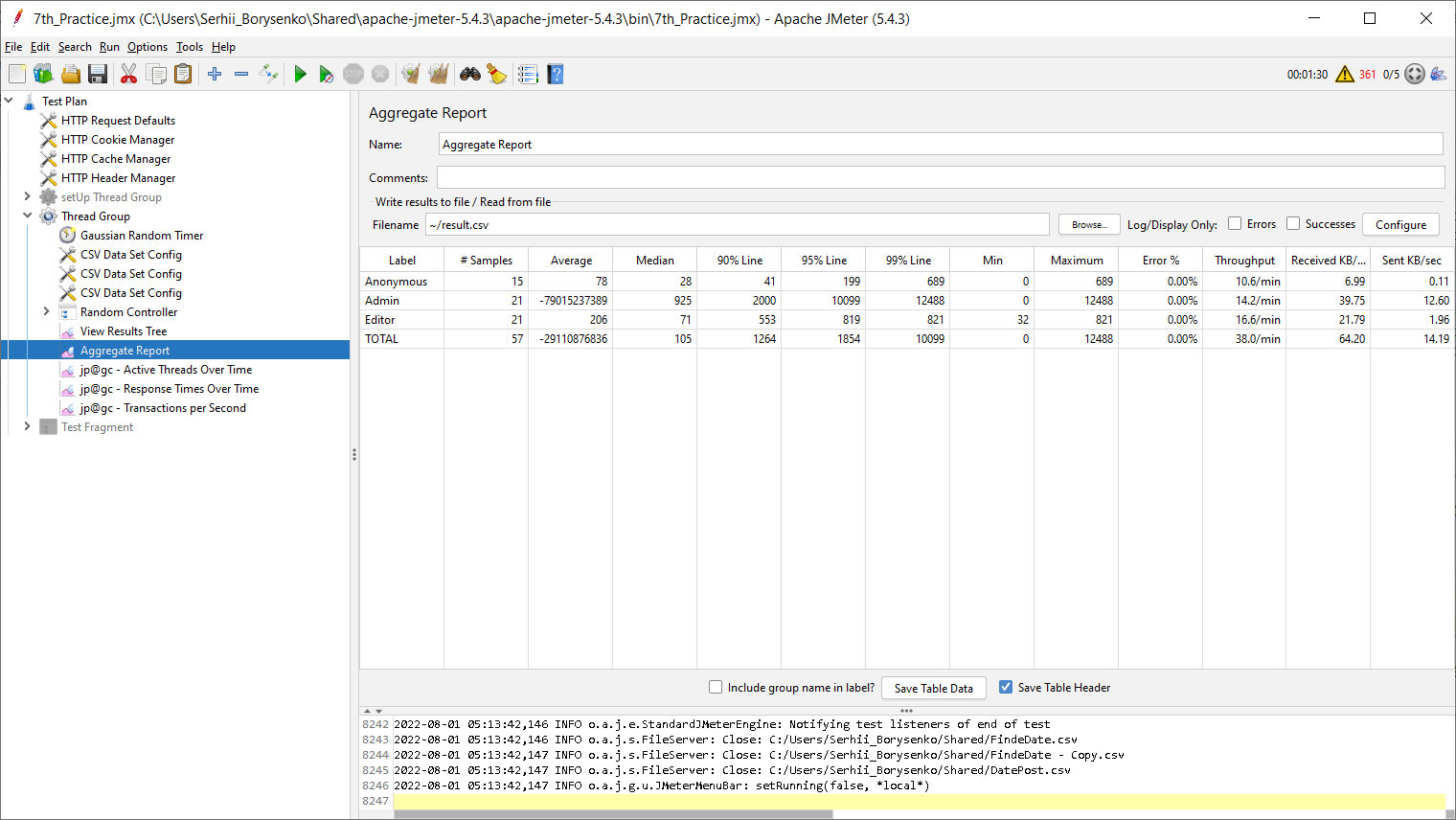
* 2Gb RAM:

Graphical user interface, chart, line chart

Description automatically generatedGraphical user interface, chart

Description automatically generated

* 4Gb RAM:



|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Samples | Average | Median | 90% Line | 95% Line | 99% Line | Min | Max | Error % | Throughput | Received KB/sec | Sent KB/sec |
| 1CPU; 8GB RAM | 69 | 641 | 31 | 381 | 6436 | 11769 | 0 | 11941 | 0.00% | 46.0/min | 64.99 | 13.77 |
| 2CPU; 8GB RAM | 50 | -66372665607 | 149 | 1661 | 1740 | 12132 | 0 | 12132 | 0.00% | 33.4/min | 59.39 | 14.24 |
| 4CPU; 8GB RAM | 58 | 776 | 127 | 1252 | 2378 | 9993 | 0 | 10478 | 0.00% | 38.7/min | 63.35 | 14.51 |

Summary report on scalability testing:

According to the presented results, it can be seen that with an increase in the number of CPUs and RAM, the throughput increases, while the response time and the number of errors decrease.

In conclusion, we can say that 4CPU; 8GB RAM is the most optimal option