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| Performance Testing Mentoring Program 2020#1  Task 2 report |

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# Summary

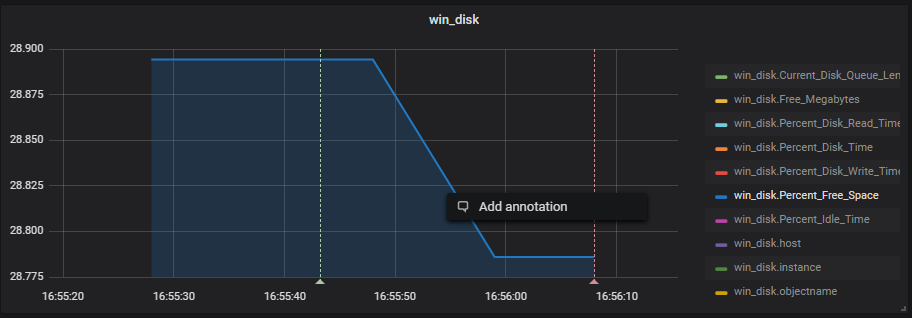
Was created the script to generate test posts(100,1000,2000) with any text from 50 to 1000 characters long.

# Actions

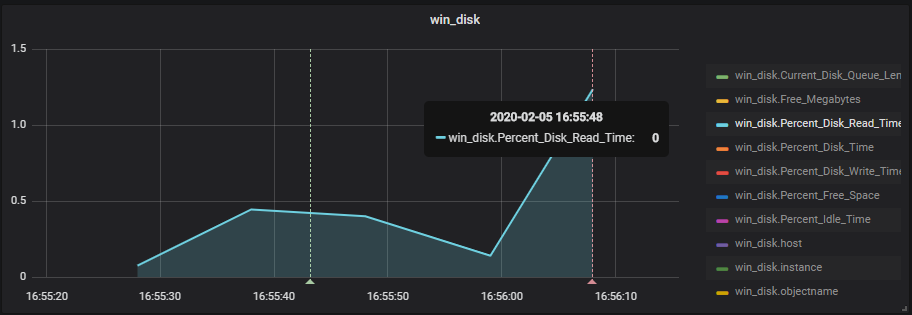
Run parameters (1 thread, rump-up period 10s). JMeter project + report is [here](https://github.com/diNovitska/BlogEngine/tree/master/TASK2). For 100 posts dates set from the list of particulate dates. For other posts dates generates randomly.

## Test run#1 – 100 articles generation

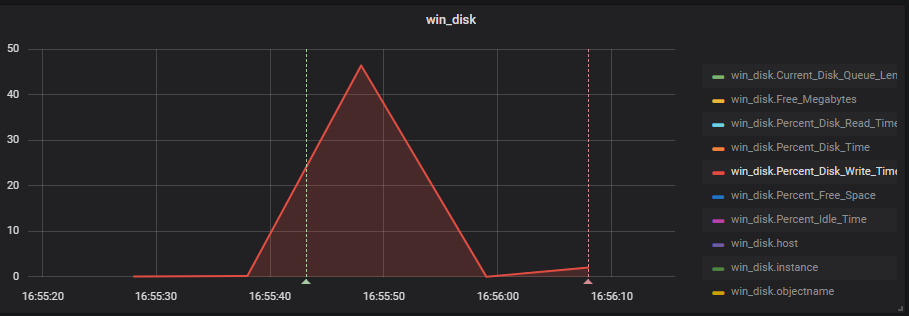
* ***Server metrics for that time period***



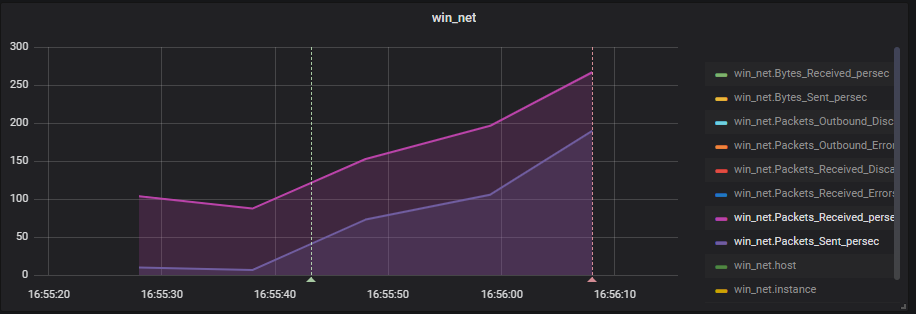
Free space on disk



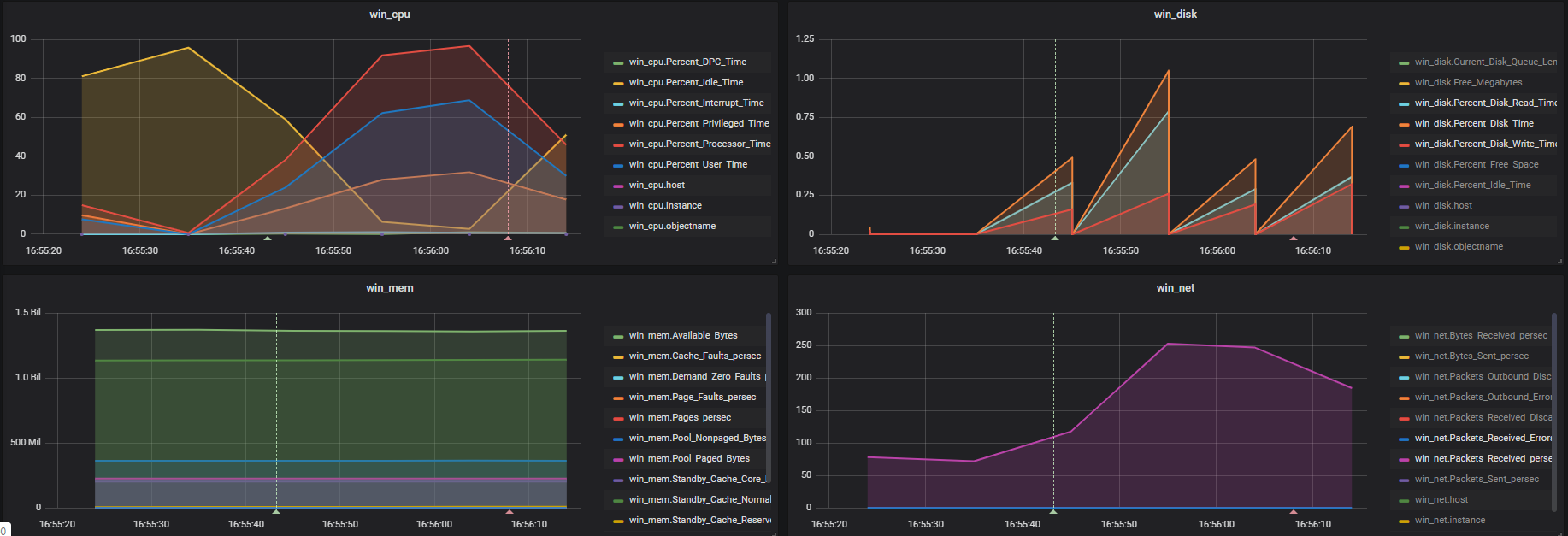
Disk metric - read time



Disc metric – Write time

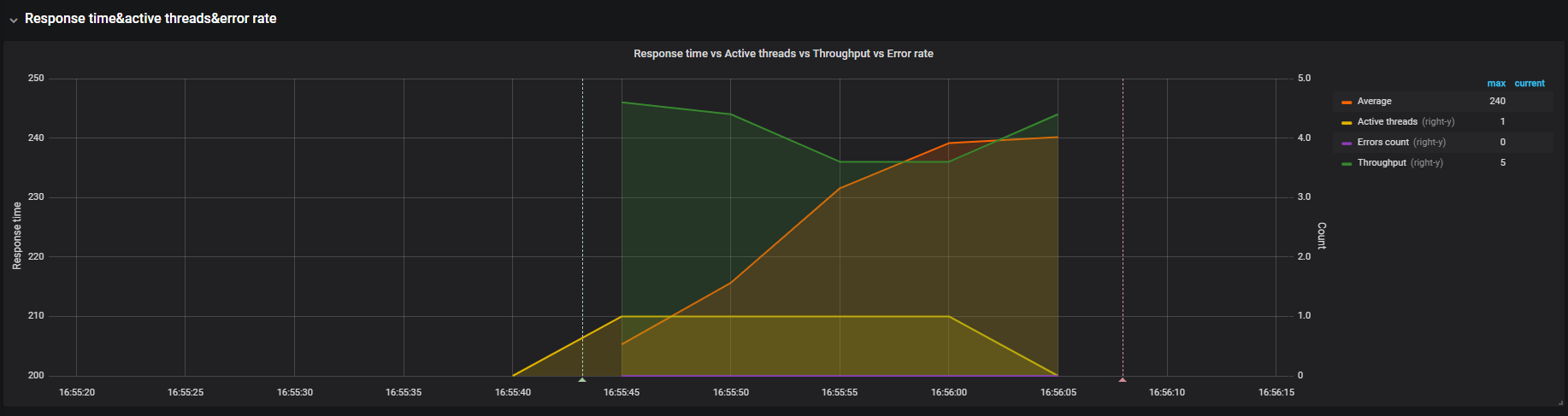


Packets metrics

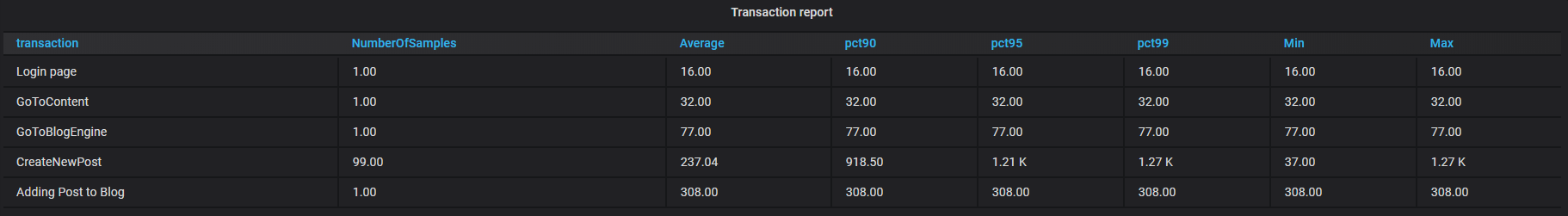


**Server Metrics of machine with which I load the Blog**

* ***JMeter run results from Grafana***



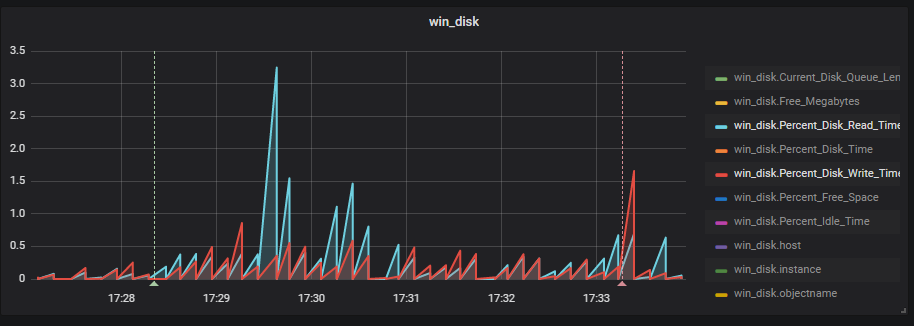
**Response time(avg) &Active threads & throughput**

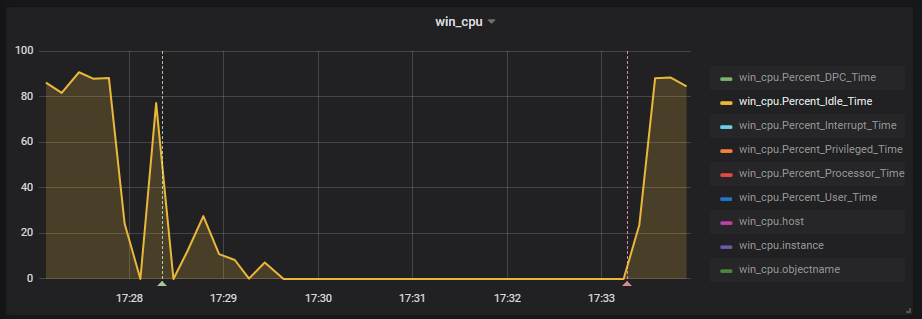
****

**Transaction report**

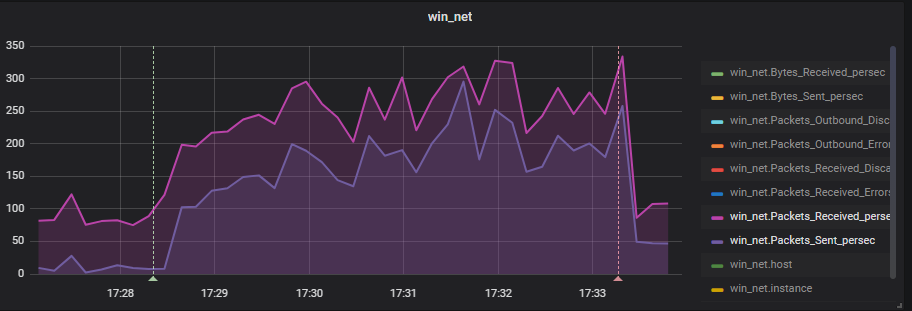
So generating 100 post by one user, has such parameters as 5requests per second and maximum value of response time is 240.

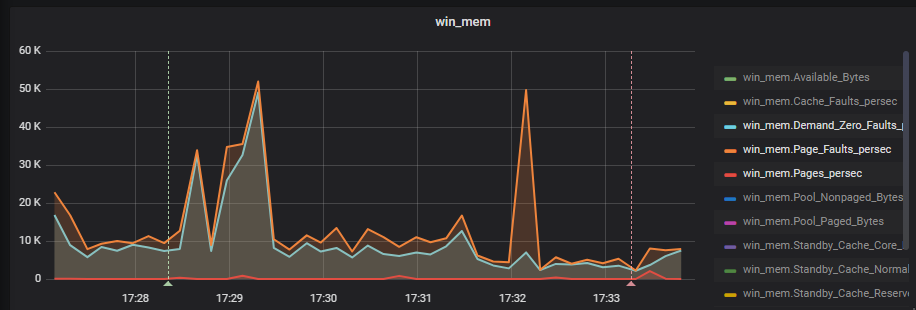
## Test run#2 – 1000 articles generation



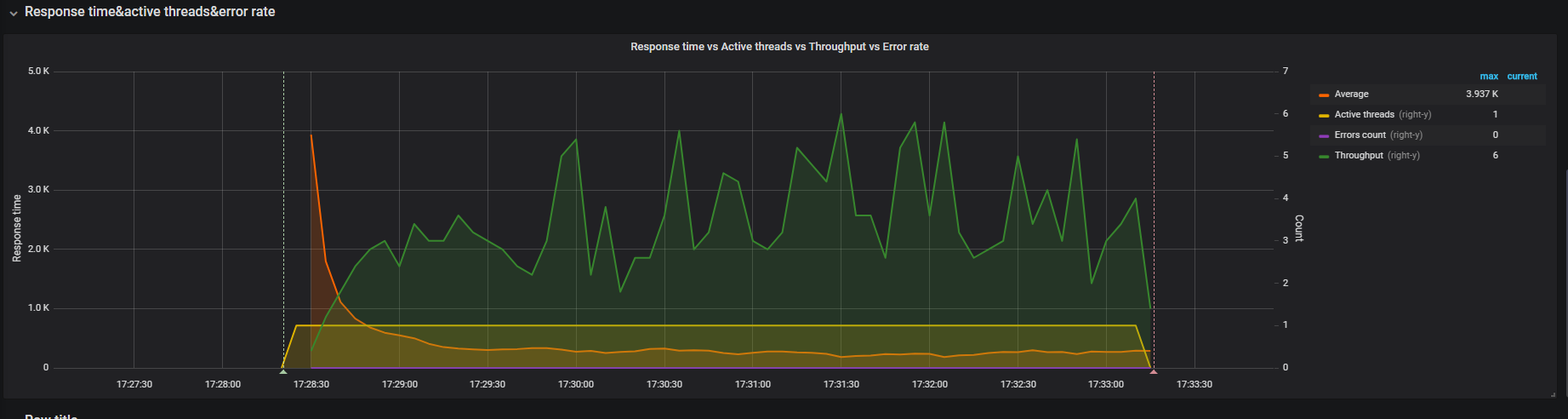


Percent Idle Time shows how free your system is now. So during the test system is free on 0%.





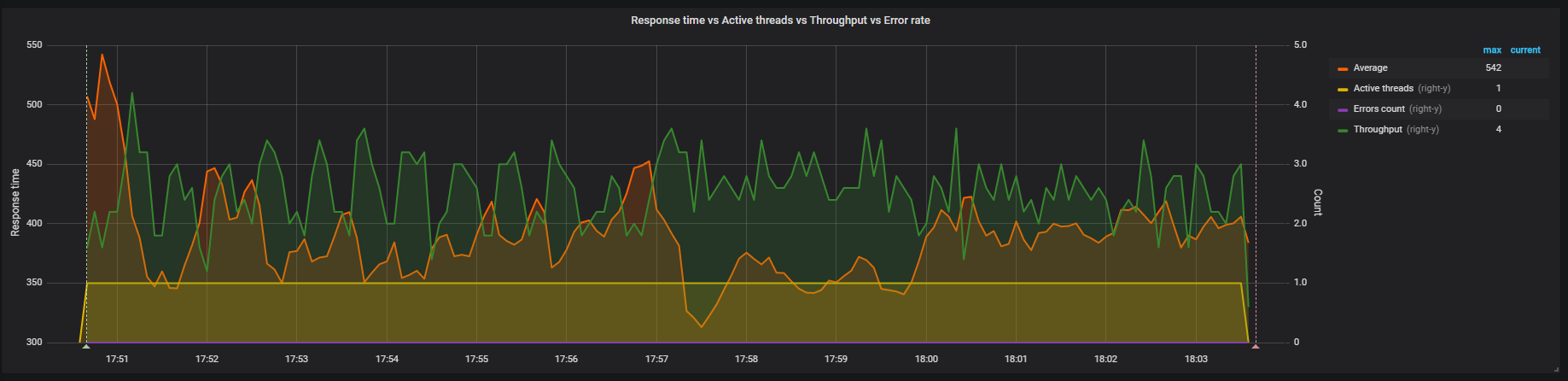
* ***JMeter run results from Grafana***

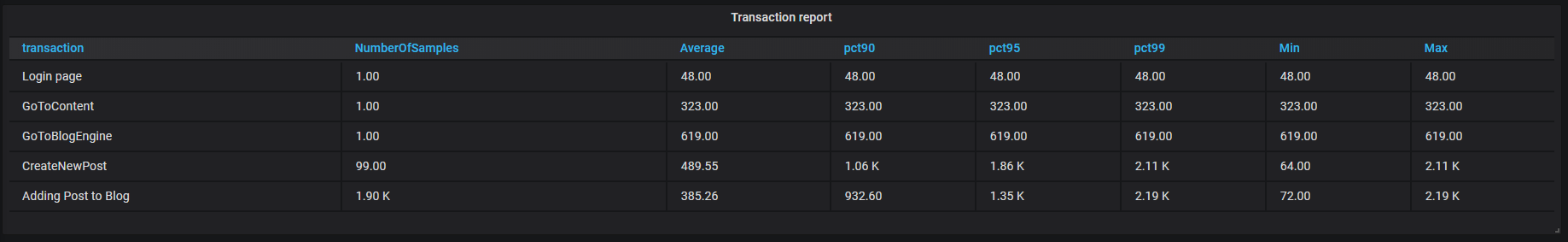


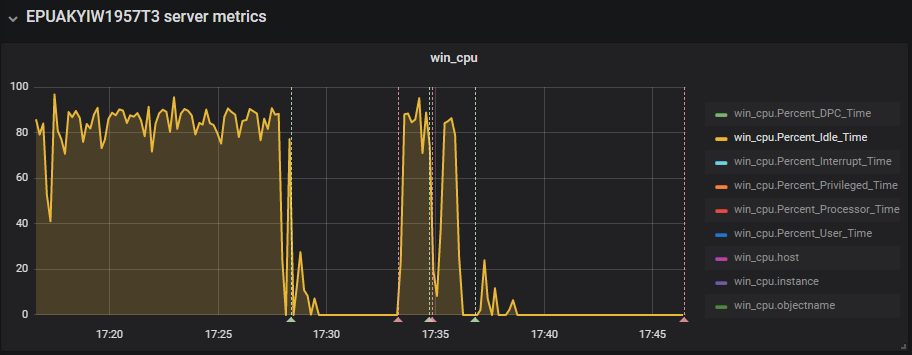
Throughput in comparison with first test this metric decreased.

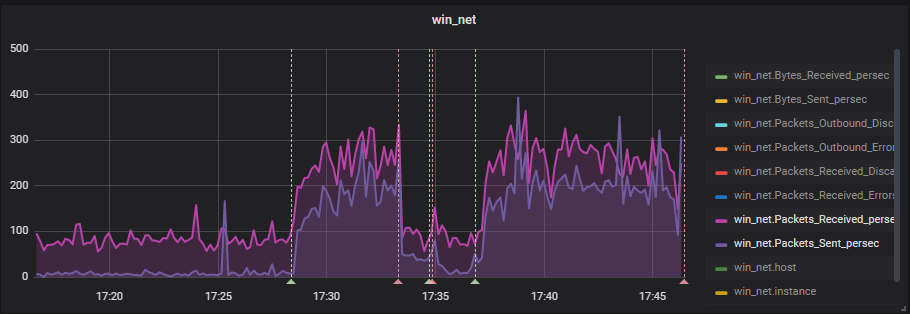
## Test run#2 – 2000 articles generation

* ***JMeter run results from Grafana***









# Conclusion

With an increase in the number of posts, throughput decreases and response time grows.