Dear Ehsanul Alam Sabbir Vaiya,

I have completed a performance test on the frequently used API for the test application. The test was conducted on server 000.000.000.00 under the following scenarios:

- 300 concurrent requests with a loop count of 10: The average TPS for the total samples is approximately 25, resulting in a total of 1,500 concurrent API requests.
- 700 concurrent requests with a loop count of 10: The average TPS for the total samples is approximately 58, resulting in a total of 3,500 concurrent API requests.
- 900 concurrent requests with a loop count of 10: The average TPS for the total samples is approximately 47, resulting in a total of 4,500 concurrent API requests.
- 1,000 concurrent requests with a loop count of 10: The average TPS for the total samples is approximately 62, resulting in a total of 5,000 concurrent API requests.

During the test with 1,000 concurrent requests, 53 requests encountered connection timeouts, leading to an error rate of **1.06%.**

In summary, the server can handle approximately 3,200 concurrent API calls with an almost zero error rate.

Could you find the detailed report attached? Feel free to reach out if you have any further questions or issues.

Thank you for your time and consideration.

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Sincerely,
Suvojit Das
Batch 25
Khulna University of Engineering and Technology - KUET