**The result of using Apache Benchmarking Tools on CSC326-Group5’s server running on AWS T1.Micro:**

To decide the maximum number of connections before connections drop, send requests with different concurrency levels and get the maximum concurrency level that successfully transmits all packets.

*ab -n 1000 -c 250* [*http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony*](http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony)

Result:

Total of 816 requests completed

Fail

*ab -n 1000 -c 100* [*http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony*](http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony)

Result:

Total of 959 requests completed

Fail

*ab -n 1000 -c 50* [*http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony*](http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony)

Result:

Total of 986 requests completed

Fail, but closer

*ab -n 1000 -c 30* [*http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony*](http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony)

Result:

Total of 999 requests completed

Success, 1% is tolerable

* **Therefore, the maximum number of connection is 30**

A total of 1000 requests were sent, with a concurrency level 30 (30 connections)

*ab -n 1000 -c 30 -r -S* [*http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony*](http://ec2-34-233-27-14.compute-1.amazonaws.com/?keywords=nix+tony)

* **According to the result below, the average PRS is 90.89requests,**
* **Average response time: 83ms**
* **99 percentile response time: 2675ms**
* **Utilization of CPU: gotten from stats:**

Maximum Utilization of CPU:66%

Memory: Used 197M, Buffer 150M, Cache 232M, Free 9136K

Disk IO: Read 0, Write 5940K

Network: Receive 119K, send 1037K

**Appendix:**

**AB Benchmarking and DSTAT info:**

