**API Performance Test Results**

GET Request:

|  |  |
| --- | --- |
| Execution Summary | |
| Users | 50,100,200 |
| Rampu up | 25,50,100 |
| Duration | 5 minutes |
| Api Test Case | Get Request |
| Test Case Uri | GET [https://jsonplaceholder.typicode.com/posts/${\_\_Random(1,100](https://jsonplaceholder.typicode.com/posts/$%7B__Random(1,100),)} |

Observations:

* As the load test conducted without any timers, due to continue hits on the servers we observed no errors are occurring periodically during the test
* In terms of response time average response time is good

Summary Table Metrics

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Concurrent Users | # Samples | Average | Min | Max | Error % | Throughput | Received KB/sec | Sent KB/sec |
| 50 | 180915 | 79 | 48 | 8917 | 0.00% | 601.0 | 514.2.7 | 230.01 |
| 100 | 534659 | 77 | 59 | 8917 | 0.00% | 143.6 | 122.85 | 54 |
| 200 | 994373 | 91 | 48 | 11253 | 0.00% | 69.4 | 59 | 26 |

Graphic Metrics

**Elapsed Time Vs Average Response Time(Concurrent Users =50)**



**Elapsed Time Vs Average Response Time(Concurrent Users =100)**



**Elapsed Time Vs Average Response Time(Concurrent Users =200)**



**GET Request With Timers**

|  |  |
| --- | --- |
| Execution Summary | |
| Users | 50,100,200 |
| Rampu up | 25,50,100 |
| Duration | 5 minutes |
| Api Test Case | Get Request with Timers 2 seconds |
| Test Case Uri | GET [https://jsonplaceholder.typicode.com/posts/${\_\_Random(1,100](https://jsonplaceholder.typicode.com/posts/$%7B__Random(1,100),)} |

Observations:

* As the load test conducted with 2 sec sleep time, no errors observed during the test
* In terms of response time average response time is good, as the load increase response time slightly increased and low error % occurred.

Summary Table Metrics

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Concurrent Users | # Samples | Average | Min | Max | Error % | Throughput | Received KB/sec | Sent KB/sec |
| 50 | 6783 | 127 | 51 | 4280 | 0.00% | 22.7 | 19.45 | 8.7 |
| 100 | 56037 | 142 | 51 | 4280 | 0.00% | 22.7 | 19.4 | 8.7 |
| 200 | 79611 | 136 | 51 | 4280 | 0.00% | 64.3 | 54.97 | 24.59 |

Graphic Metrics

**Elapsed Time Vs Average Response Time(Concurrent Users =50)**



**Elapsed Time Vs Average Response Time(Concurrent Users =100)**



**Elapsed Time Vs Average Response Time(Concurrent Users =200)**

