

15th May | Spring 1 Stress Test

Stress Testing for Posting a New Moment

We use JMeter to simulate a user posting 1500 moments to see if our server can withstand this amount of load.

API to make request to: **121.4.57.204:8080/info/{userId}** via **POST**

Parameter	Value
contents	this is a test moment
userId	606c453064ad461348e31a23

JMeter Component Structure

- Sprint 1 Test Plan
 - Message Threads { Number of Threads: 1500, Ramp-up period (seconds): 1, Loop Count: 1 }
 - Loop Controller
 - HTTP GET Moment { Parameters: specified above, Method: POST }
 - View Results Tree
 - Graph Results
 - Summary Report

Success Rate

Total number of request: 1496

Number of successful request: 1481

Success rate: 99.00%

Min Response Time: 1832ms

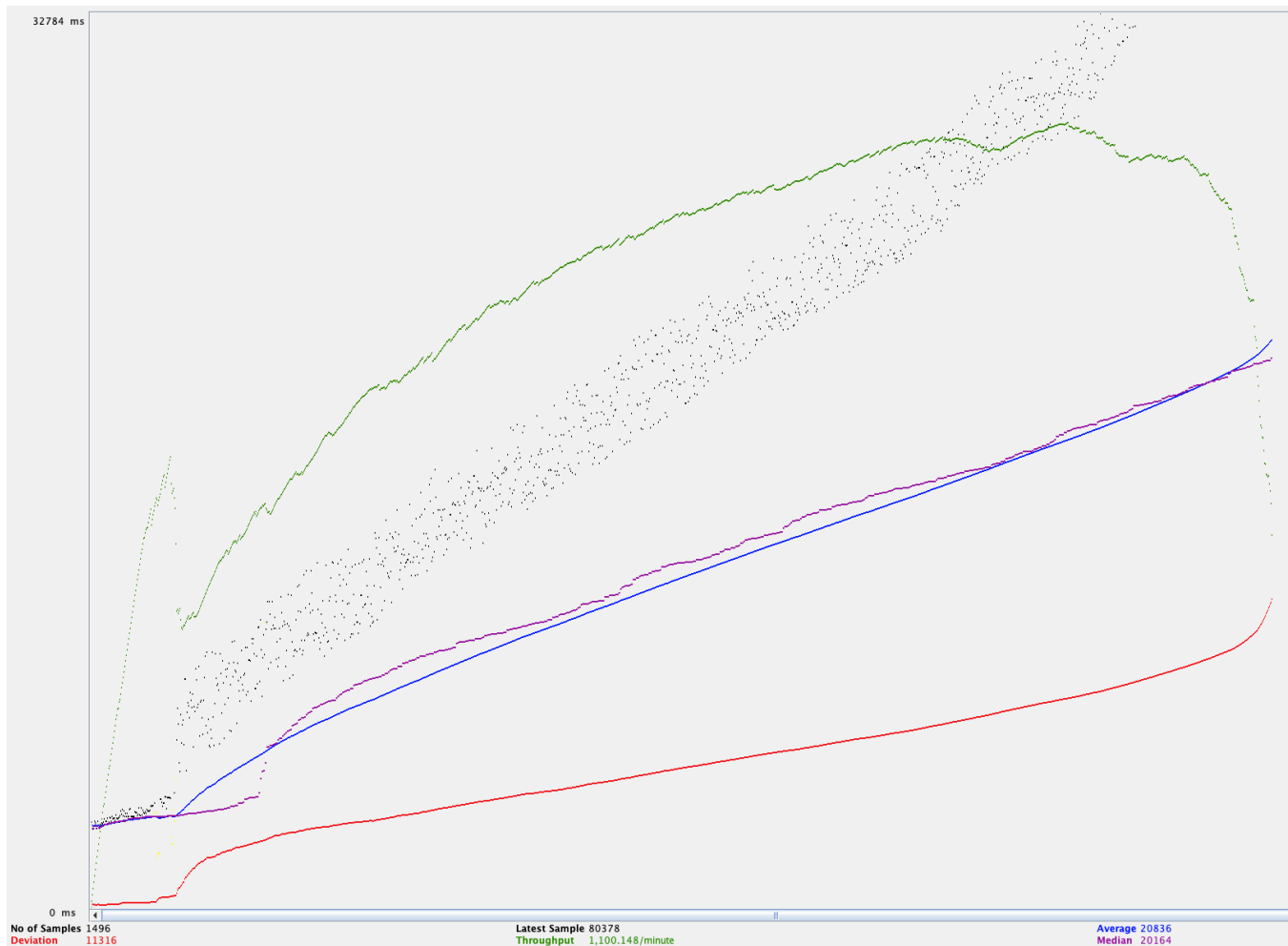
Max Response Time: 80378ms

Average Response Time: 20836ms

Throughput: 18.3/sec

Average Byte: 619.9

Graph Results



Sample Message Report

timeStamp	elapsed	label	responseCode	responseMessage	threadName	data Type	success	failureMessage	bytes	sent Bytes	grpTh reads	allTh reads	URL	Latency	Idle Time	Connect
1.6213 E+12	3159	HTTP POST Moment	200		Thread Group 1-2	text	TRUE		601	263	1312	1312	http://121.4.57.204:8080/info/606c453064ad461348e31a23	3159	0	692
1.6213 E+12	2895	HTTP POST Moment	200		Thread Group 1-107	text	TRUE		601	263	1313	1313	http://121.4.57.204:8080/info/606c453064ad461348e31a23	2894	0	423
1.6213 E+12	3457	HTTP POST Moment	Non HTTP response code: java.net.SocketException	Non HTTP response message: Connection reset	Thread Group 1-261	text	FALSE		2467	0	1421	1421	http://121.4.57.204:8080/info/606c453064ad461348e31a23	0	0	2007
1.6213 E+12	40407	HTTP POST Moment	200		Thread Group 1-679	text	TRUE		601	263	56	56	http://121.4.57.204:8080/info/606c453064ad461348e31a23	40407	0	4003
1.6213 E+12	41963	HTTP POST Moment	200		Thread Group 1-258	text	TRUE		601	263	55	55	http://121.4.57.204:8080/info/606c453064ad461348e31a23	27785	0	2058
1.6213 E+12	42076	HTTP POST Moment	200		Thread Group 1-359	text	TRUE		601	263	54	54	http://121.4.57.204:8080/info/606c453064ad461348e31a23	42076	0	2569

