

Application Performance Testing

Tool Used - Jmeter

(1) Index Page subject to 100 concurrent threads(or users)

View Results in Table

Name:

Comments:

Write results to file / Read from file

Filename Log/Display Only: ☐ Errors ☐ Successes

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
1	16:32:34.625	Users 1-15	Index	2022		3166	116	2016	1743
2	16:32:34.626	Users 1-17	Index	2021		3166	116	2018	1742
3	16:32:34.626	Users 1-14	Index	2022		3166	116	2022	1742
4	16:32:34.625	Users 1-16	Index	2025		3166	116	2025	1743
5	16:32:34.652	Users 1-22	Index	2001		3166	116	2001	1716
6	16:32:34.624	Users 1-6	Index	2038		3166	116	2037	1744
7	16:32:34.624	Users 1-13	Index	2039		3166	116	2038	1744
8	16:32:34.624	Users 1-11	Index	2039		3166	116	2039	1744
9	16:32:34.625	Users 1-3	Index	2044		3166	116	2044	1743
10	16:32:34.626	Users 1-12	Index	2051		3166	116	2051	1742
11	16:32:34.643	Users 1-21	Index	2049		3166	116	2048	1726
12	16:32:34.663	Users 1-23	Index	2030		3166	116	2029	1705
13	16:32:34.626	Users 1-10	Index	2074		3166	116	2074	1742
14	16:32:34.626	Users 1-18	Index	2079		3166	116	2079	1742
15	16:32:34.624	Users 1-9	Index	2083		3166	116	2083	1744
16	16:32:34.626	Users 1-19	Index	2090		3166	116	2090	1743
17	16:32:34.626	Users 1-8	Index	2093		3166	116	2093	1743
18	16:32:34.625	Users 1-4	Index	2101		3166	116	2100	1744
19	16:32:34.625	Users 1-7	Index	2106		3166	116	2106	1744
20	16:32:34.633	Users 1-20	Index	2100		3166	116	2099	1736
21	16:32:34.720	Users 1-28	Index	2021		3166	116	2020	1649
22	16:32:34.686	Users 1-25	Index	2059		3166	116	2059	1683
23	16:32:34.626	Users 1-2	Index	2123		3166	116	2122	1743
24	16:32:34.672	Users 1-24	Index	2079		3166	116	2079	1697
25	16:32:34.626	Users 1-5	Index	2128		3166	116	2128	1743
26	16:32:34.626	Users 1-1	Index	2136		3166	116	2135	1743

☐ Scroll automatically? ☐ Child samples?

No of Samples 100 Latest Sample 1882 Average 1948 Deviation 102

(2) Statistics Page Subject to 100 Concurrent Users

View Results in Table

Name: Statistics Get

Comments:

Write results to file / Read from file

Filename:

Browse...

Log/Display Only: ☐ Errors ☐ Successes

Configure

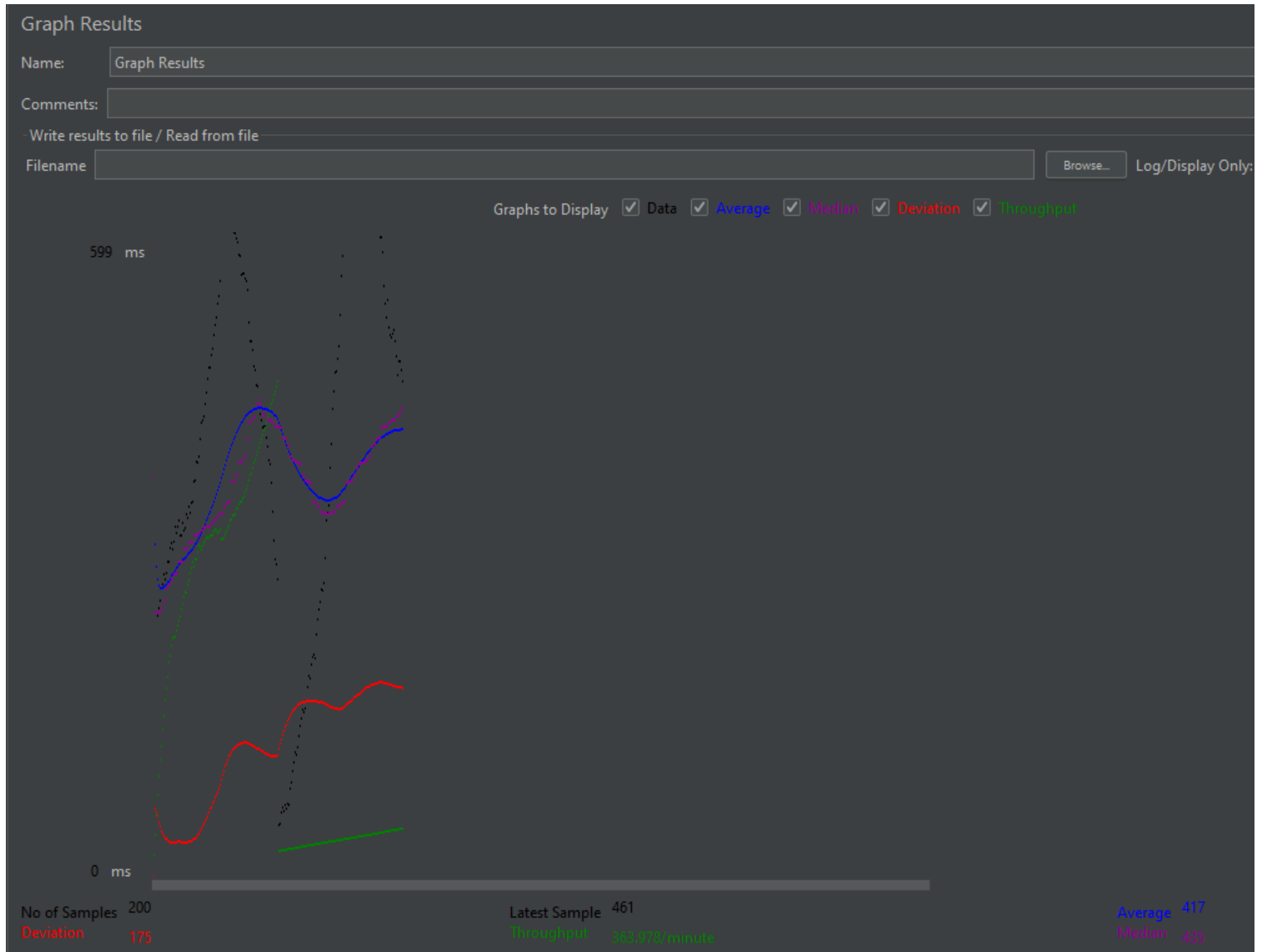
Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
1	16:42:24.117	Users 1-1	HTTP Request	48		3446	266	26	1
2	16:42:24.136	Users 1-2	HTTP Request	50		3446	266	21	2
3	16:42:24.146	Users 1-3	HTTP Request	60		3446	266	29	2
4	16:42:24.162	Users 1-4	HTTP Request	65		3446	266	33	2
5	16:42:24.178	Users 1-5	HTTP Request	61		3446	266	33	1
6	16:42:24.183	Users 1-6	HTTP Request	67		3446	266	35	1
7	16:42:24.203	Users 1-7	HTTP Request	64		3446	266	32	2
8	16:42:24.214	Users 1-8	HTTP Request	68		3446	266	35	1
9	16:42:24.228	Users 1-9	HTTP Request	67		3446	266	31	1
10	16:42:24.231	Users 1-10	HTTP Request	82		3446	266	35	1
11	16:42:24.238	Users 1-11	HTTP Request	88		3446	266	39	1
12	16:42:24.253	Users 1-12	HTTP Request	98		3446	266	40	1
13	16:42:24.260	Users 1-13	HTTP Request	107		3446	266	49	1
14	16:42:24.280	Users 1-14	HTTP Request	116		3446	266	55	2
15	16:42:24.287	Users 1-15	HTTP Request	114		3446	266	51	1
16	16:42:24.310	Users 1-16	HTTP Request	121		3446	266	55	1
17	16:42:24.316	Users 1-17	HTTP Request	131		3446	266	65	2
18	16:42:24.333	Users 1-18	HTTP Request	140		3446	266	60	2
19	16:42:24.345	Users 1-19	HTTP Request	147		3446	266	70	2
20	16:42:24.353	Users 1-20	HTTP Request	155		3446	266	69	2
21	16:42:24.377	Users 1-21	HTTP Request	153		3446	266	65	1
22	16:42:24.384	Users 1-22	HTTP Request	157		3446	266	74	1
23	16:42:24.389	Users 1-23	HTTP Request	164		3446	266	75	1
24	16:42:24.408	Users 1-24	HTTP Request	177		3446	266	78	1
25	16:42:24.417	Users 1-25	HTTP Request	187		3446	266	83	1
26	16:42:24.426	Users 1-26	HTTP Request	185		3446	266	88	1

☐ Scroll automatically? ☐ Child samples?

No of Samples 100 Latest Sample 461 Average: 408 Deviation: 220

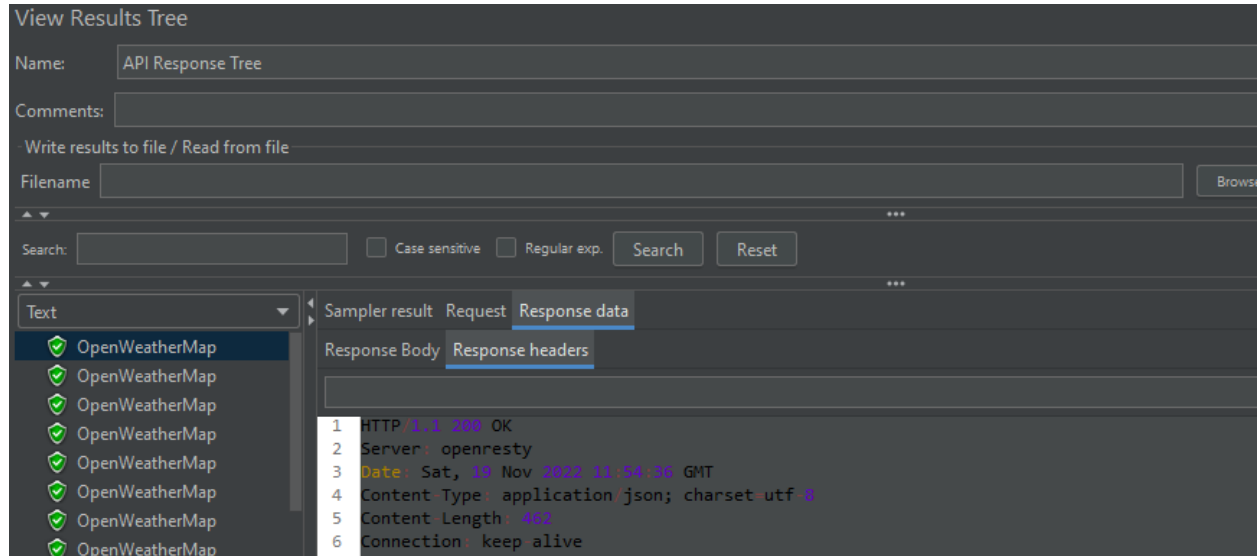
This is the results table obtained when a GET request is made to the statistics route

A Graphical Representation of the Observed Results. Some of the parameters analyzed include latency, throughput, average and the mean deviation in response time

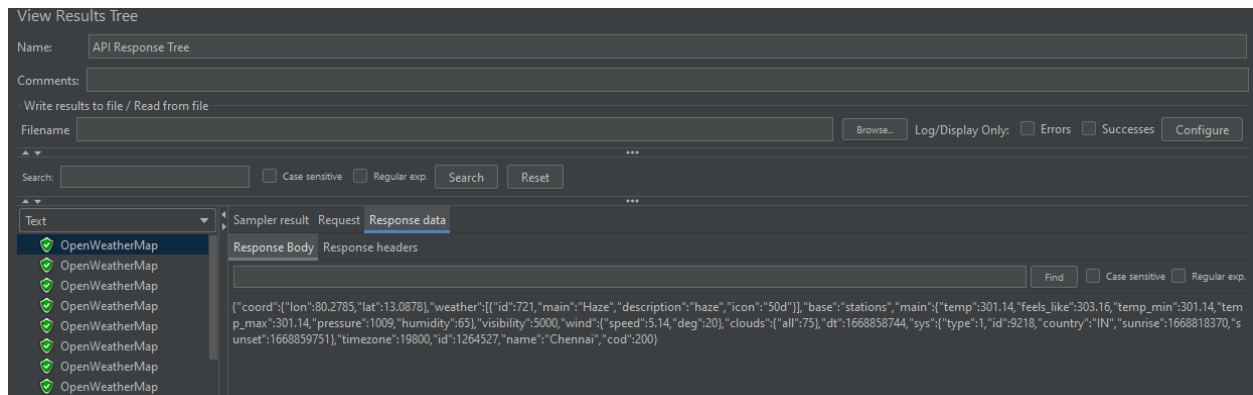


(3) API Testing - OpenWeatherMap

Making GET requests to the OpenWeatherMap endpoint for Chennai's weather conditions



The Response Header



Body of the Response