

PERFORMANCE TESTING

Objective: To assess and test system's responsiveness, scalability and performance under various conditions

Tools used: Blaze-Meter

The test is conducted under the following conditions:

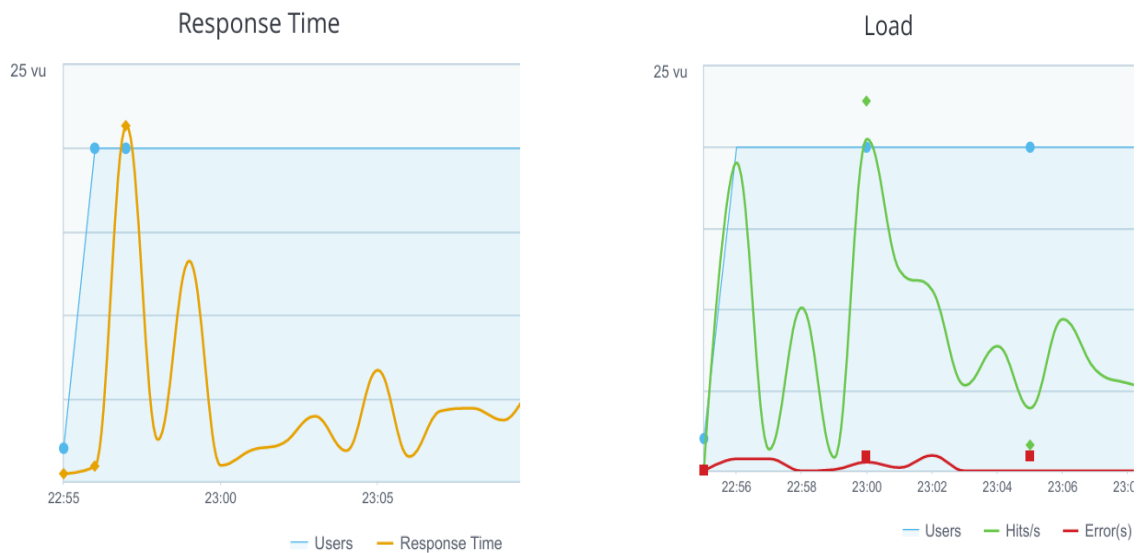
- Duration: 20 minutes
- Test Type: JMeter
- No. of CPUs: 2
- Fixed Location

Duration	20 minutes	Test Type	JMeter
Started	Nov 30, 2024, 10:55:56 PM	Response Codes	2xx Non-Http
Ended	Nov 30, 2024, 11:18:03 PM	Locations	Functional Testing Default Location

The output is as follows:

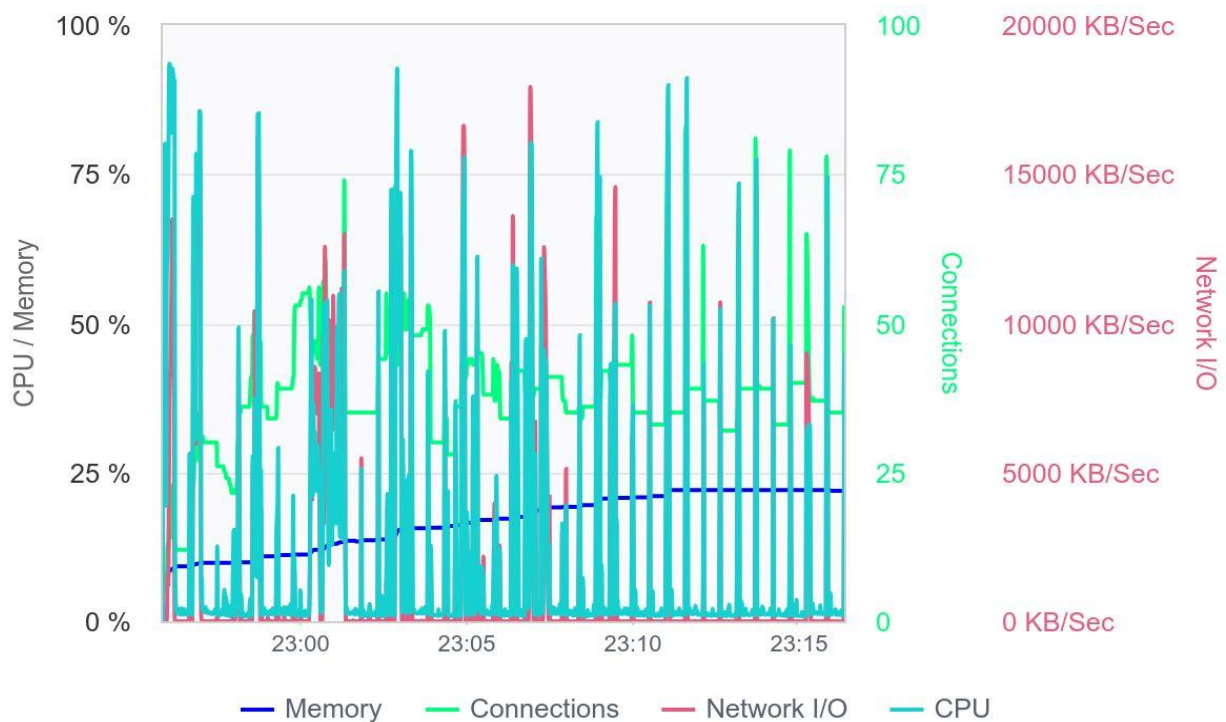
20 VU Max Users	1.72 Hits/s Avg. Throughput	2.77 % Errors	11.63 s Avg. Response Time	36.29 s 90% Response Time	1.51 MiB/s Avg. Bandwidth
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- The website can handle up to 6192 hits in an hour.
- The error rate according to the no. of users is quite low, giving an average bandwidth of 1.51 MB/s.
- Average response time of all users is 11.63 seconds.



From the left graph, it is noticed that, as the no. of users increase, the response time decreases, becoming constant after a certain time.

From the right graph, it is noticed that, as the no. of users increases the error probability increases. As the error increases, average throughput decreases.



The above graph shows the system metrics during the test.