

JMETER REPORT

FLIGHT SERVICE:

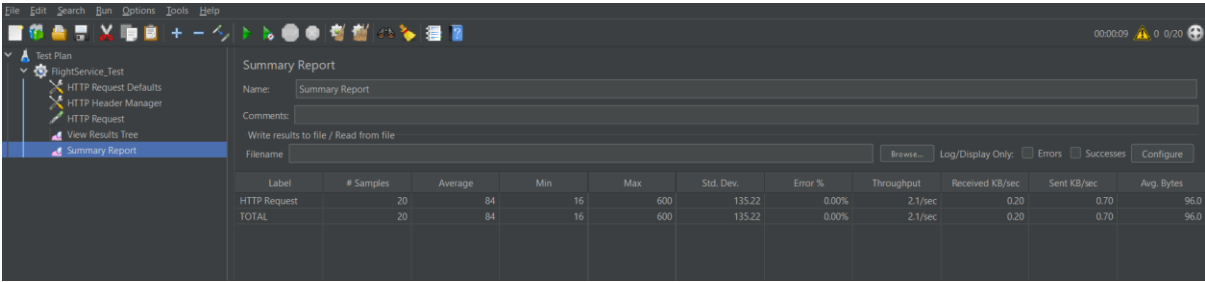
JMETER LOAD TESTING SUMMARY — FLIGHTSERVICE

OVERVIEW

LOAD TESTING WAS PERFORMED ON THE **FLIGHT SERVICE API** USING APACHE JMETER WITH USER LOADS OF **20, 50, AND 100 VIRTUAL USERS**. THE OBJECTIVE WAS TO EVALUATE RESPONSE TIME, THROUGHPUT, AND STABILITY UNDER INCREASING LOAD.

ALL TESTS EXECUTED SUCCESSFULLY WITH **0% ERRORS** ACROSS ALL LOAD LEVELS.

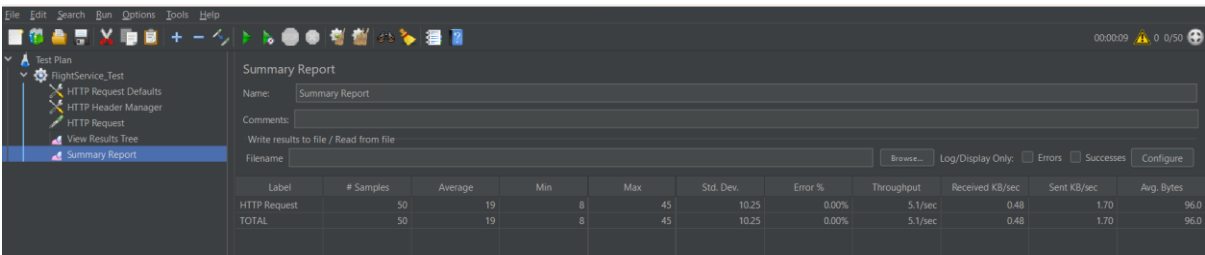
20 USERS:



The screenshot shows the JMeter Summary Report for a test named 'Summary Report'. The report includes a table with the following data:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	20	84	16	600	135.22	0.00%	2.1/sec	0.20	0.70	96.0
TOTAL	20	84	16	600	135.22	0.00%	2.1/sec	0.20	0.70	96.0

50 USERS:



The screenshot shows the JMeter Summary Report for a test named 'Summary Report'. The report includes a table with the following data:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	50	19	8	45	10.25	0.00%	5.1/sec	0.48	1.70	96.0
TOTAL	50	19	8	45	10.25	0.00%	5.1/sec	0.48	1.70	96.0

100 USERS:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	100	38	9	307	51.72	0.00%	10.1/sec	0.95	3.37	96.0
TOTAL	100	38	9	307	51.72	0.00%	10.1/sec	0.95	3.37	96.0

SUMMARY:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	100	38	9	307	51.72	0.00%	10.1/sec	0.95	3.37	96.0
TOTAL	100	38	9	307	51.72	0.00%	10.1/sec	0.95	3.37	96.0

FINAL SUMMARY (ALL TESTS)

LOAD (USERS) AVG RESPONSE TIME MAX RESPONSE ERROR % THROUGHPUT

20 USERS	84 MS	600 MS	0%	2.1/SEC
50 USERS	19 MS	45 MS	0%	5.1/SEC
100 USERS	38 MS	307 MS	0%	10.1/SEC

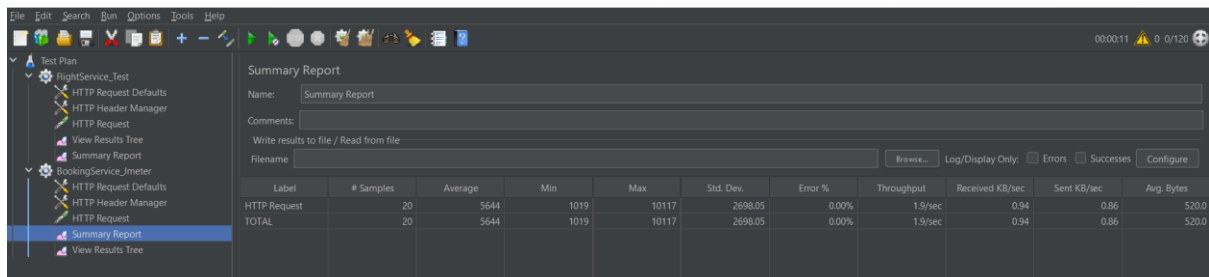
CONCLUSION

- THE FLIGHT SERVICE DEMONSTRATES **HIGH PERFORMANCE AND STABILITY** ACROSS ALL TESTED USER LOADS.
- NO ERRORS** WERE ENCOUNTERED IN ANY SCENARIO.

- THE SERVICE MAINTAINS CONSISTENT THROUGHPUT AND ACCEPTABLE RESPONSE TIMES EVEN AT **100 CONCURRENT USERS**.
- SYSTEM APPEARS WELL-OPTIMIZED AND PRODUCTION READY.

BOOKING SERVICE:

20 USERS:



Summary Report

Name: Summary Report

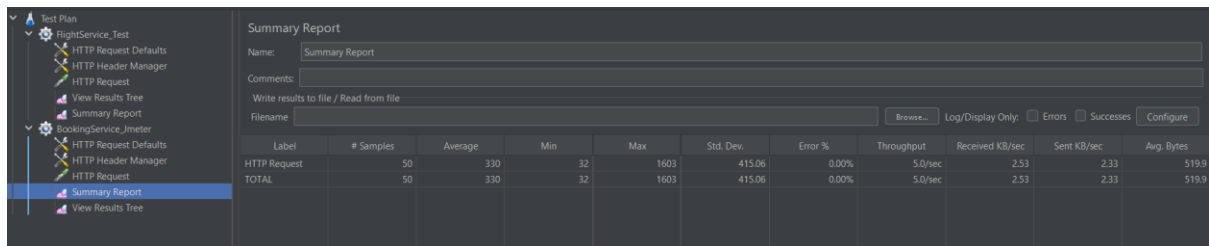
Comments:

Write results to file / Read from file

Filename: Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	20	5644	1019	10117	2698.05	0.00%	1.9/sec	0.94	0.86	520.0
TOTAL	20	5644	1019	10117	2698.05	0.00%	1.9/sec	0.94	0.86	520.0

50 USERS:



Summary Report

Name: Summary Report

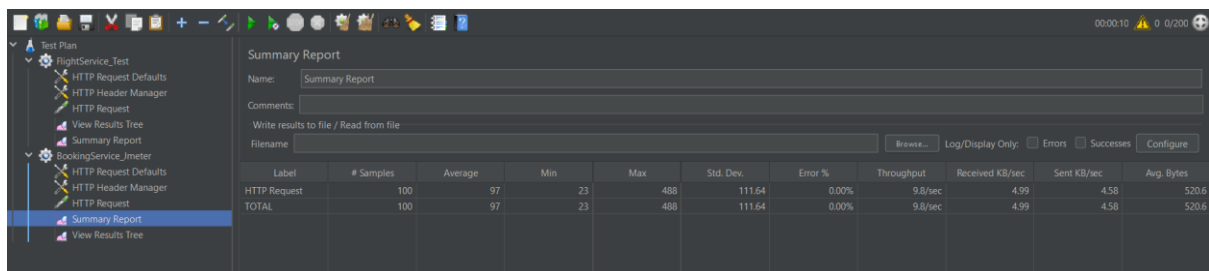
Comments:

Write results to file / Read from file

Filename: Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	50	330	32	1603	415.06	0.00%	5.0/sec	2.53	2.33	519.9
TOTAL	50	330	32	1603	415.06	0.00%	5.0/sec	2.53	2.33	519.9

100 USERS:



Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file

Filename: Log/Display Only: ☐ Errors ☐ Successes

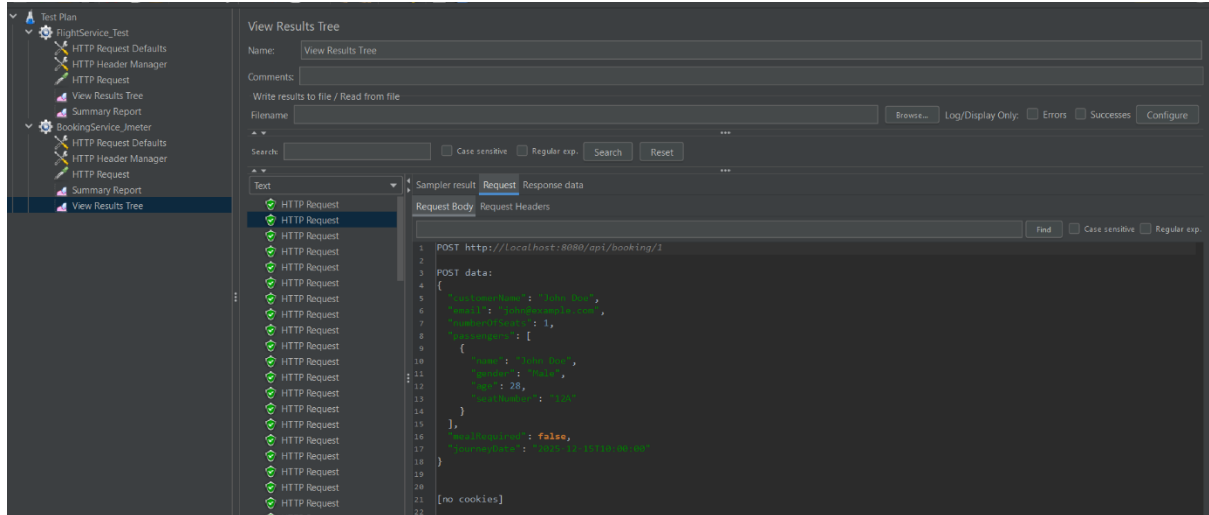
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	100	97	23	488	111.64	0.00%	9.8/sec	4.99	4.58	520.6
TOTAL	100	97	23	488	111.64	0.00%	9.8/sec	4.99	4.58	520.6

SUMMARY REPORT:

BOOKING SERVICE – JMETER PERFORMANCE TEST SUMMARY

THIS SECTION PRESENTS PERFORMANCE RESULTS FOR THE **BOOKING SERVICE API** UNDER THREE DIFFERENT USER LOADS: **20 USERS, 50 USERS, AND 100 USERS**.

ALL VALUES ARE TAKEN DIRECTLY FROM YOUR JMETER SUMMARY REPORT SCREENSHOTS.



NOTIFICATION SERVICE:

20 USERS :

The screenshot shows the Apache JMeter 'Summary Report' for a test plan named 'Summary Report'. The report displays performance metrics for 20 samples. The table below summarizes the data shown in the screenshot.

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	20	527	7	2983	916.84	0.00%	2.1/sec	0.27	0.63	131.0
TOTAL	20	527	7	2983	916.84	0.00%	2.1/sec	0.27	0.63	131.0

50 USERS:

Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file

Filename: Browse...

Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	50	15	8	70	10.59	0.00%	5.1/sec	0.65	1.53	131.0
TOTAL	50	15	8	70	10.59	0.00%	5.1/sec	0.65	1.53	131.0

100 USERS:

Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file

Filename: Browse...

Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	100	10	5	25	3.23	0.00%	10.1/sec	1.29	3.05	131.0
TOTAL	100	10	5	25	3.23	0.00%	10.1/sec	1.29	3.05	131.0

SUMMARY REPORT

View Results Tree

Name: View Results Tree

Comments:

Write results to file / Read from file

Filename:

Search: ☐ Case sensitive ☐ Regular exp.

Text

Sampler result Request **Response data**

Response Body Response headers

Email processed

