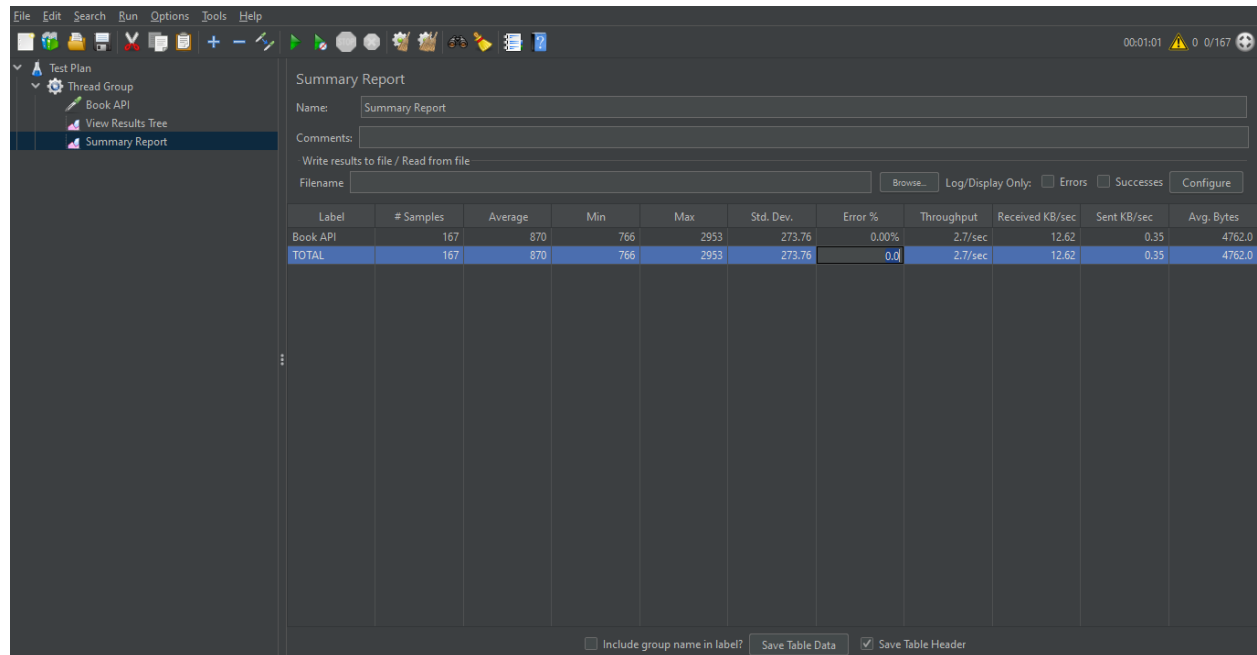


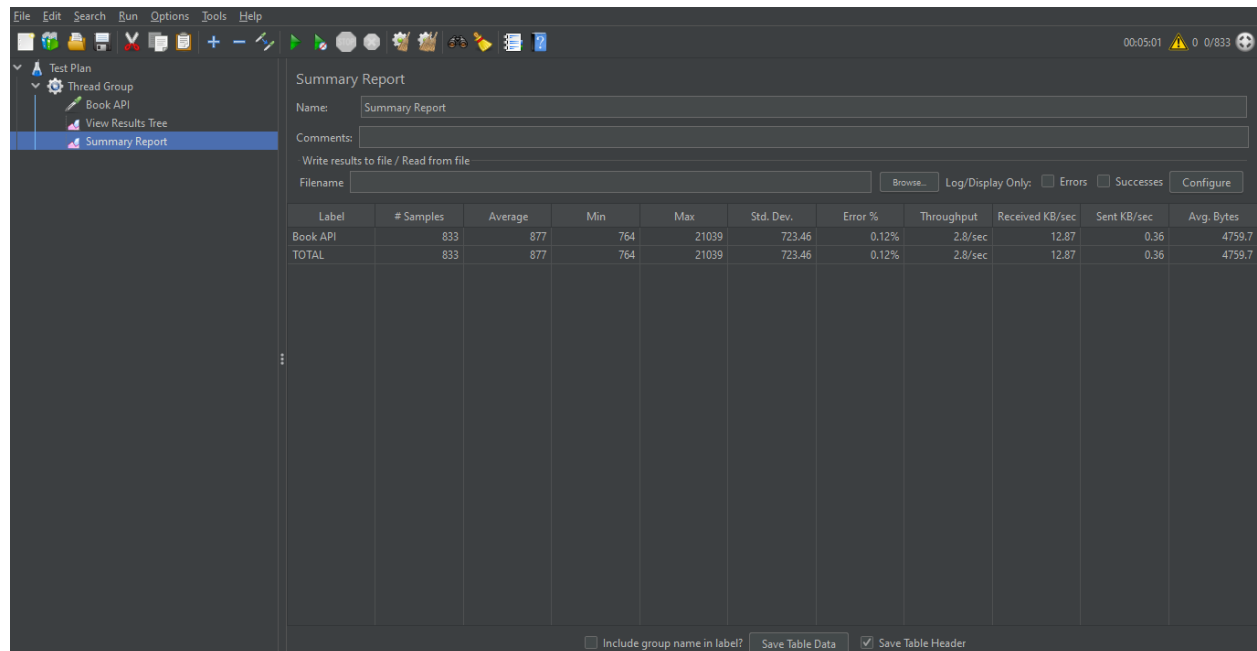
Step-1: 167 users for 60 sec
Throughput: 2.7/sec



The screenshot shows the JMeter Summary Report window. The left sidebar displays the test plan structure: Test Plan, Thread Group, Book API, View Results Tree, and Summary Report. The main area shows the Summary Report for the 'Book API' test. The report includes a table with performance metrics for the 'Book API' and a 'TOTAL' row. The 'TOTAL' row shows a throughput of 2.7/sec and an error rate of 0.0%.

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
Book API	167	870	766	2953	273.76	0.00%	2.7/sec	12.62	0.35	4762.0
TOTAL	167	870	766	2953	273.76	0.0	2.7/sec	12.62	0.35	4762.0

Step-2: 833 users for 300sec
Throughput: 2.8/sec
Error: 0.12%



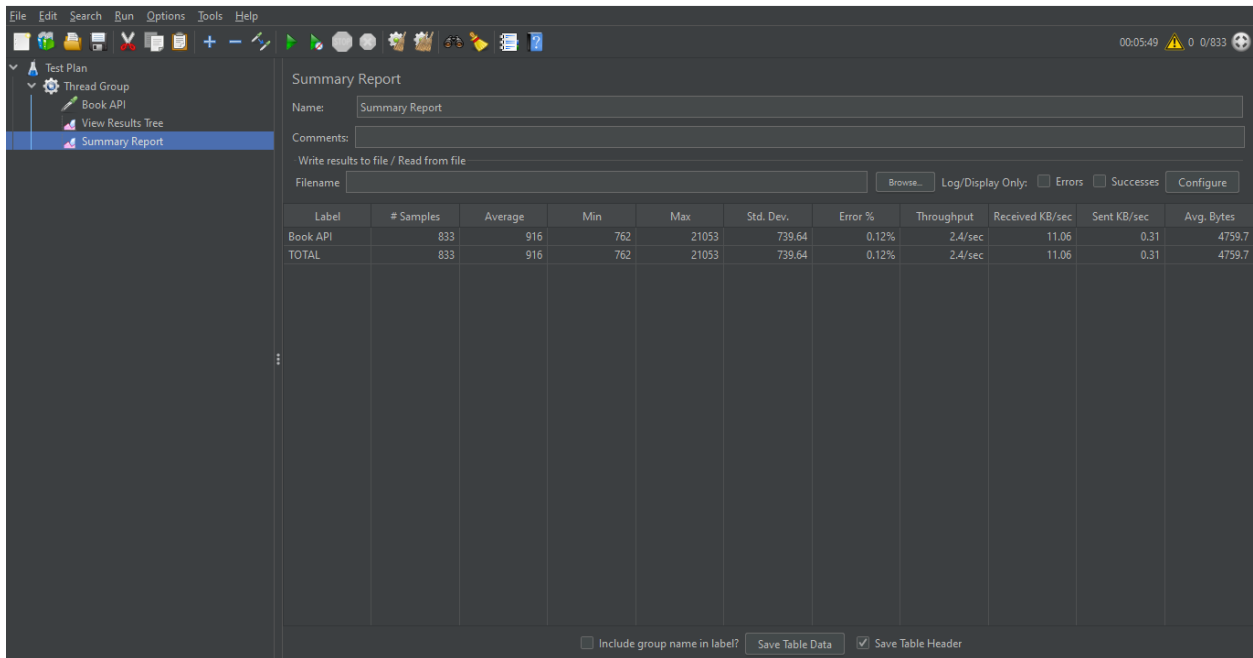
The screenshot shows the JMeter Summary Report window for Step 2. The left sidebar displays the test plan structure: Test Plan, Thread Group, Book API, View Results Tree, and Summary Report. The main area shows the Summary Report for the 'Book API' test. The report includes a table with performance metrics for the 'Book API' and a 'TOTAL' row. The 'TOTAL' row shows a throughput of 2.8/sec and an error rate of 0.12%.

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
Book API	833	877	764	21039	723.46	0.12%	2.8/sec	12.87	0.36	4759.7
TOTAL	833	877	764	21039	723.46	0.12%	2.8/sec	12.87	0.36	4759.7

Step-3: 833 users for 350 sec

Throughput: 2.4/sec

Error: 0.12%



The screenshot shows the Apache JMeter Summary Report window. The 'Name' field is 'Summary Report'. The 'Comments' field is empty. The 'Write results to file / Read from file' section has a 'Filename' field and a 'Browse...' button. The 'Log/Display Only' section has checkboxes for 'Errors' and 'Successes', and a 'Configure' button. The table below shows the test results for the 'Book API' thread group.

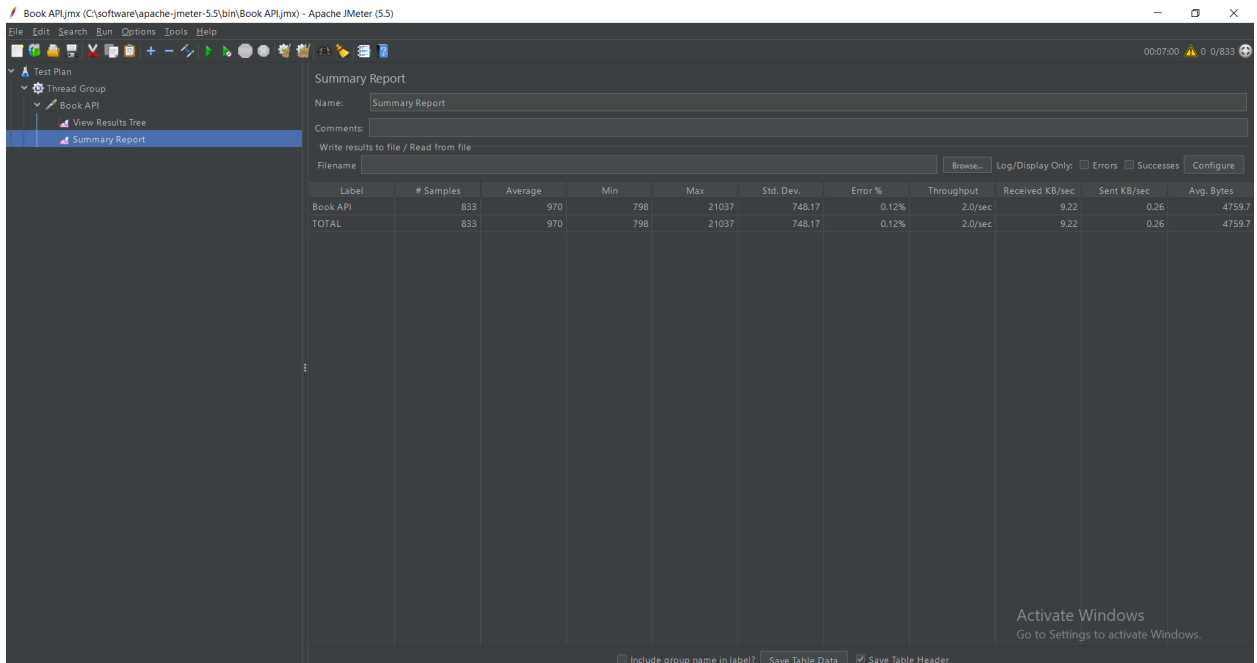
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
Book API	833	916	762	21053	739.64	0.12%	2.4/sec	11.06	0.31	4759.7
TOTAL	833	916	762	21053	739.64	0.12%	2.4/sec	11.06	0.31	4759.7

At the bottom, there are checkboxes for 'Include group name in label?' and 'Save Table Data', and a checked checkbox for 'Save Table Header'.

Step-4: 833 users for 420 sec

Throughput: 2.0/sec

Error: 0.12%

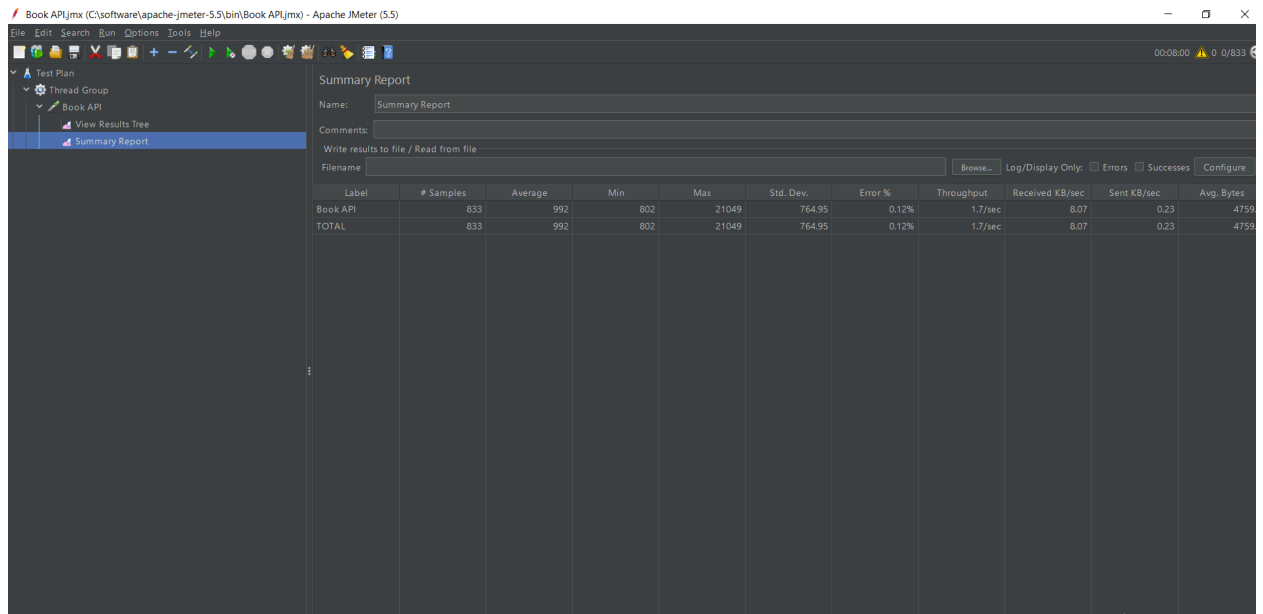


The screenshot shows the Apache JMeter Summary Report window. The 'Name' field is 'Summary Report'. The 'Comments' field is empty. The 'Write results to file / Read from file' section has a 'Filename' field and a 'Browse...' button. The 'Log/Display Only' section has checkboxes for 'Errors' and 'Successes', and a 'Configure' button. The table below shows the test results for the 'Book API' thread group.

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
Book API	833	970	798	21037	748.17	0.12%	2.0/sec	9.22	0.26	4759.7
TOTAL	833	970	798	21037	748.17	0.12%	2.0/sec	9.22	0.26	4759.7

At the bottom, there are checkboxes for 'Include group name in label?' and 'Save Table Data', and a checked checkbox for 'Save Table Header'. An 'Activate Windows' watermark is visible in the bottom right corner.

Step-5: 833 users for 480 sec
Throughput: 1.7/sec
Error: 0.12%



Summary Report

Name: Summary Report

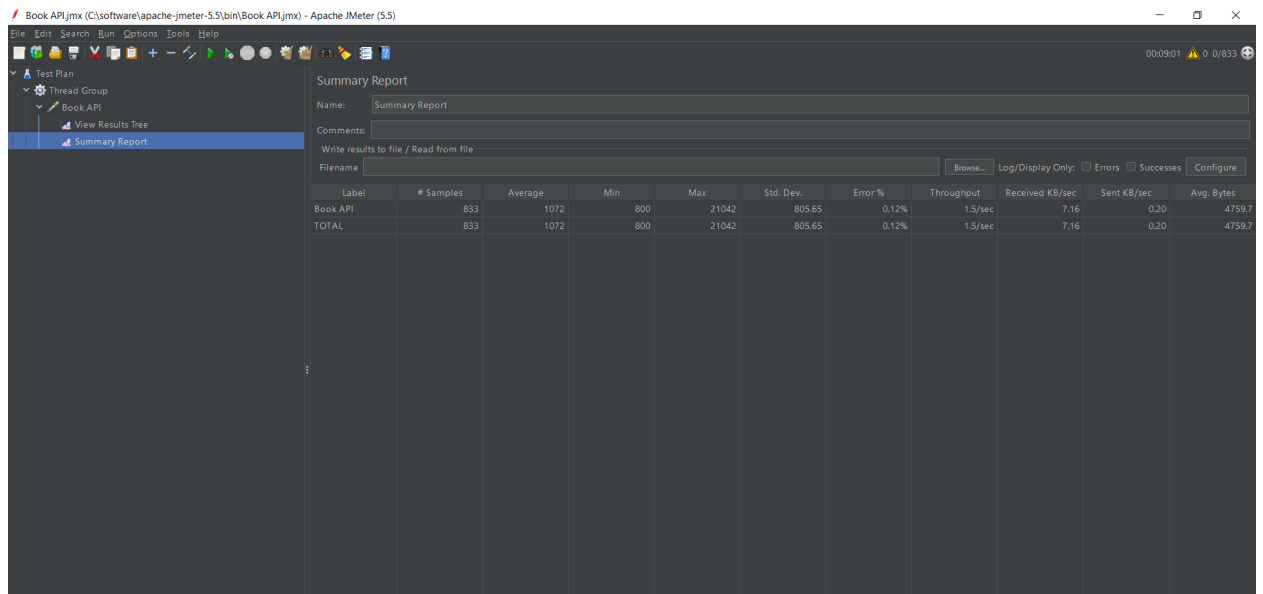
Comments:

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
Book API	833	992	802	21049	764.95	0.12%	1.7/sec	8.07	0.23	4759
TOTAL	833	992	802	21049	764.95	0.12%	1.7/sec	8.07	0.23	4759

Step-6: 833 users for 540 sec
Throughput: 1.5/sec
Error: 0.12%



Summary Report

Name: Summary Report

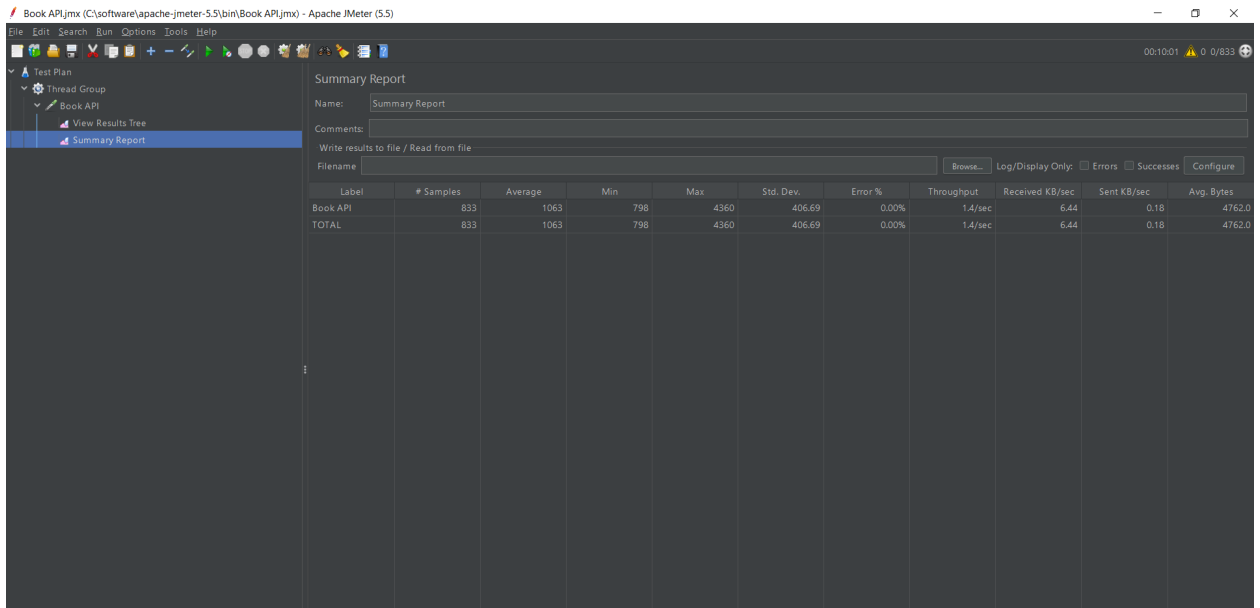
Comments:

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
Book API	833	1072	800	21042	805.65	0.12%	1.5/sec	7.16	0.20	4759.7
TOTAL	833	1072	800	21042	805.65	0.12%	1.5/sec	7.16	0.20	4759.7

Step-7: 833 users for 600 sec
Throughput: 1.4/sec

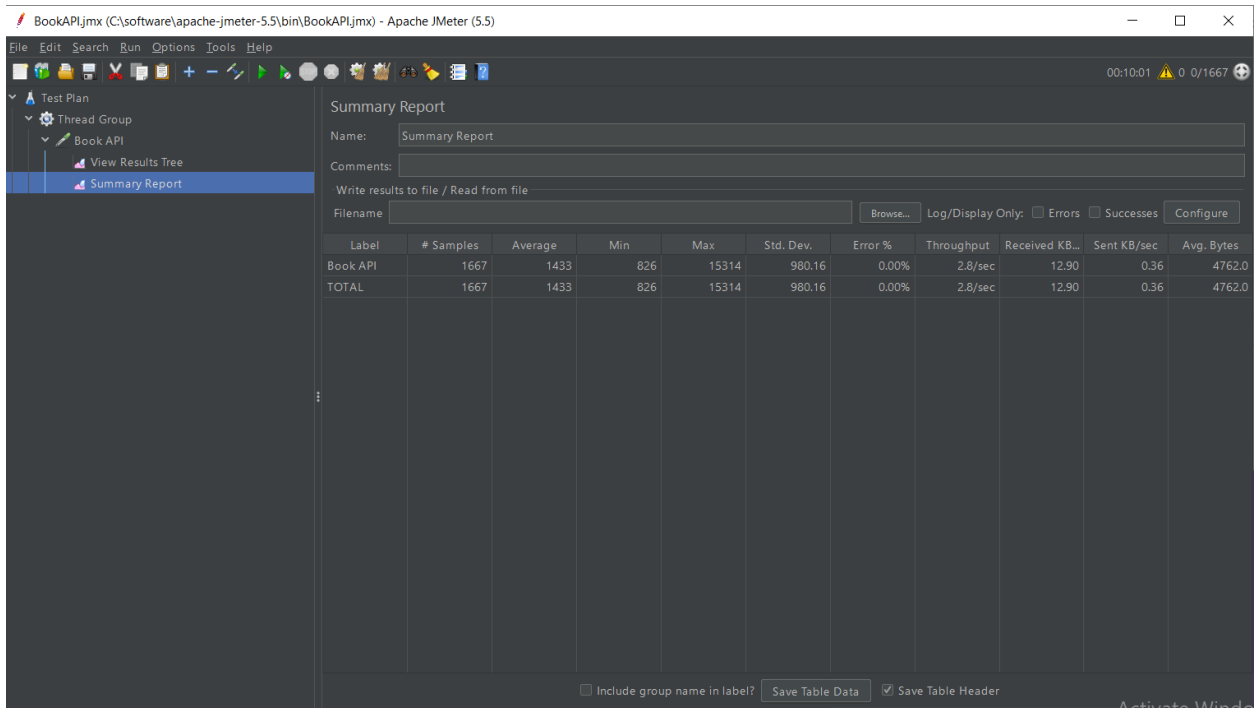


The screenshot shows the Apache JMeter 5.5 Summary Report window. The left sidebar displays the test plan structure: Test Plan, Thread Group, Book API, View Results Tree, and Summary Report. The main area shows the Summary Report for the 'Book API' test. The report includes a table with the following data:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
Book API	833	1063	798	4360	406.69	0.00%	1.4/sec	6.44	0.18	4762.0
TOTAL	833	1063	798	4360	406.69	0.00%	1.4/sec	6.44	0.18	4762.0

The status bar at the bottom right indicates '00:10:01' and '0 0/833'.

Step-8: 1667 users for 600 sec
Throughput: 2.8/sec



The screenshot shows the Apache JMeter 5.5 Summary Report window for Step 8. The left sidebar displays the test plan structure: Test Plan, Thread Group, Book API, View Results Tree, and Summary Report. The main area shows the Summary Report for the 'Book API' test. The report includes a table with the following data:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB...	Sent KB/sec	Avg. Bytes
Book API	1667	1433	826	15314	980.16	0.00%	2.8/sec	12.90	0.36	4762.0
TOTAL	1667	1433	826	15314	980.16	0.00%	2.8/sec	12.90	0.36	4762.0


The status bar at the bottom right indicates '00:10:01' and '0 0/1667'. At the bottom of the window, there are checkboxes for 'Include group name in label?' (unchecked), 'Save Table Data' (checked), and 'Save Table Header' (checked).

Step-9: 900 users for 2500 sec
Throughput: 2.8/sec

```

ASUS@DESKTOP-AIPAOG6 MINGW64 /c/software/apache-jmeter-5.5/bin
$ jmeter -n -t BookAPI.jmx -l BookAPI.csv -e -o Reports
Creating summariser <summary>
Created the tree successfully using BookAPI.jmx
Starting standalone test @ June 27, 2022 3:47:01 PM BDT (1656323221482)
Waiting for possible Shutdown/StopTestNow/HeapDump/ThreadDump message on port 44
45
summary +      74 in 00:00:28 =      2.7/s Avg:  2003 Min:   841 Max:  5359 Err:
  0 (0.00%) Active: 4 Started: 77 Finished: 73
summary +      84 in 00:00:30 =      2.8/s Avg:  1054 Min:   803 Max:  2993 Err:
  0 (0.00%) Active: 3 Started: 160 Finished: 157
summary =     158 in 00:00:58 =      2.7/s Avg:  1499 Min:   803 Max:  5359 Err:
  0 (0.00%)
summary +      79 in 00:00:30 =      2.6/s Avg:  1953 Min:   823 Max:  7562 Err:
  0 (0.00%) Active: 7 Started: 243 Finished: 236
summary =     237 in 00:01:28 =      2.7/s Avg:  1650 Min:   803 Max:  7562 Err:
  0 (0.00%)
summary +      87 in 00:00:30 =      2.9/s Avg:  1432 Min:   829 Max: 12956 Err:
  0 (0.00%) Active: 3 Started: 326 Finished: 323
summary =     324 in 00:01:57 =      2.8/s Avg:  1592 Min:   803 Max: 12956 Err:
  0 (0.00%)
summary +      84 in 00:00:30 =      2.8/s Avg:  1085 Min:   810 Max:  2939 Err:
  0 (0.00%) Active: 3 Started: 410 Finished: 407
summary =     408 in 00:02:27 =      2.8/s Avg:  1487 Min:   803 Max: 12956 Err:
  0 (0.00%)
summary +      82 in 00:00:30 =      2.7/s Avg:  1594 Min:   838 Max:  6474 Err:
  0 (0.00%) Active: 4 Started: 493 Finished: 489
summary =     490 in 00:02:57 =      2.8/s Avg:  1505 Min:   803 Max: 12956 Err:
  0 (0.00%)
summary +      84 in 00:00:30 =      2.8/s Avg:  1049 Min:   809 Max:  3002 Err:
  0 (0.00%) Active: 4 Started: 577 Finished: 573
summary =     574 in 00:03:28 =      2.8/s Avg:  1438 Min:   803 Max: 12956 Err:
  0 (0.00%)
summary +      84 in 00:00:30 =      2.8/s Avg:  1090 Min:   809 Max:  2665 Err:
  0 (0.00%) Active: 3 Started: 660 Finished: 657
summary =     658 in 00:03:57 =      2.8/s Avg:  1394 Min:   803 Max: 12956 Err:
  0 (0.00%)
summary +      81 in 00:00:30 =      2.7/s Avg:  1031 Min:   808 Max:  3892 Err:
  0 (0.00%) Active: 5 Started: 743 Finished: 738
summary =     739 in 00:04:27 =      2.8/s Avg:  1354 Min:   803 Max: 12956 Err:
  0 (0.00%)
summary +      85 in 00:00:30 =      2.8/s Avg:  1224 Min:   820 Max:  3002 Err:
  0 (0.00%) Active: 3 Started: 826 Finished: 823
summary =     824 in 00:04:57 =      2.8/s Avg:  1341 Min:   803 Max: 12956 Err:
  0 (0.00%)
summary +      82 in 00:00:30 =      2.7/s Avg:  1146 Min:   805 Max:  2643 Err:
  0 (0.00%) Active: 5 Started: 910 Finished: 905
summary =     906 in 00:05:28 =      2.8/s Avg:  1323 Min:   803 Max: 12956 Err:
  0 (0.00%)
summary +      83 in 00:00:30 =      2.8/s Avg:  1256 Min:   824 Max:  4081 Err:
  0 (0.00%) Active: 5 Started: 993 Finished: 988
summary =     989 in 00:05:58 =      2.8/s Avg:  1318 Min:   803 Max: 12956 Err:
  0 (0.00%)
summary +      83 in 00:00:30 =      2.8/s Avg:  1172 Min:   807 Max:  2522 Err:
  0 (0.00%) Active: 5 Started: 1076 Finished: 1071
summary =    1072 in 00:06:27 =      2.8/s Avg:  1306 Min:   803 Max: 12956 Err:
  0 (0.00%)

```

 MINGW64:/c:/software/apache-jmeter-5.5/bin

```
summary +      83 in 00:00:30 =    2.8/s Avg: 1172 Min: 807 Max: 2522 Err:
0 (0.00%) Active: 5 Started: 1076 Finished: 1071
summary =    1072 in 00:06:27 =    2.8/s Avg: 1306 Min: 803 Max: 12956 Err:
0 (0.00%)
summary +      86 in 00:00:30 =    2.9/s Avg: 1280 Min: 817 Max: 2732 Err:
0 (0.00%) Active: 3 Started: 1160 Finished: 1157
summary =    1158 in 00:06:58 =    2.8/s Avg: 1304 Min: 803 Max: 12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.8/s Avg: 1119 Min: 799 Max: 3639 Err:
0 (0.00%) Active: 3 Started: 1243 Finished: 1240
summary =    1241 in 00:07:27 =    2.8/s Avg: 1292 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.7/s Avg: 1269 Min: 815 Max: 4855 Err:
0 (0.00%) Active: 4 Started: 1327 Finished: 1323
summary =    1324 in 00:07:58 =    2.8/s Avg: 1290 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.8/s Avg: 1329 Min: 818 Max: 3382 Err:
0 (0.00%) Active: 5 Started: 1411 Finished: 1406
summary =    1407 in 00:08:28 =    2.8/s Avg: 1293 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      84 in 00:00:30 =    2.8/s Avg: 1397 Min: 810 Max: 4098 Err:
0 (0.00%) Active: 3 Started: 1493 Finished: 1490
summary =    1491 in 00:08:57 =    2.8/s Avg: 1299 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      84 in 00:00:30 =    2.8/s Avg: 1194 Min: 809 Max: 3768 Err:
0 (0.00%) Active: 3 Started: 1577 Finished: 1574
summary =    1575 in 00:09:28 =    2.8/s Avg: 1293 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.8/s Avg: 935 Min: 807 Max: 2080 Err:
0 (0.00%) Active: 3 Started: 1660 Finished: 1657
summary =    1658 in 00:09:57 =    2.8/s Avg: 1275 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      82 in 00:00:30 =    2.7/s Avg: 1040 Min: 825 Max: 3102 Err:
0 (0.00%) Active: 4 Started: 1743 Finished: 1739
summary =    1740 in 00:10:27 =    2.8/s Avg: 1264 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      84 in 00:00:30 =    2.8/s Avg: 1624 Min: 814 Max: 4206 Err:
0 (0.00%) Active: 3 Started: 1826 Finished: 1823
summary =    1824 in 00:10:57 =    2.8/s Avg: 1281 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.8/s Avg: 1500 Min: 810 Max: 7033 Err:
0 (0.00%) Active: 3 Started: 1909 Finished: 1906
summary =    1907 in 00:11:27 =    2.8/s Avg: 1290 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.8/s Avg: 1225 Min: 817 Max: 3242 Err:
0 (0.00%) Active: 4 Started: 1993 Finished: 1989
summary =    1990 in 00:11:58 =    2.8/s Avg: 1287 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      81 in 00:00:30 =    2.7/s Avg: 1410 Min: 825 Max: 3917 Err:
0 (0.00%) Active: 6 Started: 2076 Finished: 2070
summary =    2071 in 00:12:27 =    2.8/s Avg: 1292 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      85 in 00:00:30 =    2.8/s Avg: 1321 Min: 816 Max: 3761 Err:
0 (0.00%) Active: 4 Started: 2159 Finished: 2155
summary =    2156 in 00:12:57 =    2.8/s Avg: 1293 Min: 799 Max: 12956 Err:
0 (0.00%)
summary +      84 in 00:00:30 =    2.8/s Avg: 1584 Min: 829 Max: 4805 Err:
0 (0.00%) Active: 4 Started: 2243 Finished: 2239
```

MINGW64:/c/software/apache-jmeter-5.5/bin

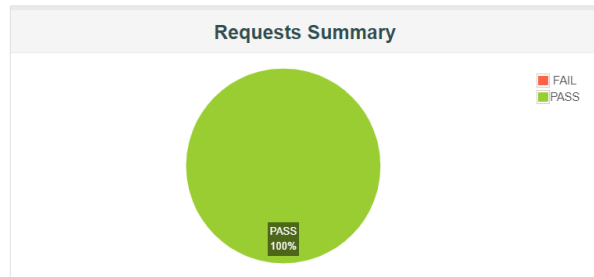
```
0 (0.00%)
summary +      84 in 00:00:30 =    2.8/s Avg:  1194 Min:   809 Max:   3768 Err:
0 (0.00%) Active: 3 Started: 1577 Finished: 1574
summary =    1575 in 00:09:28 =    2.8/s Avg:  1293 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.8/s Avg:   935 Min:   807 Max:   2080 Err:
0 (0.00%) Active: 3 Started: 1660 Finished: 1657
summary =    1658 in 00:09:57 =    2.8/s Avg:  1275 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      82 in 00:00:30 =    2.7/s Avg:  1040 Min:   825 Max:   3102 Err:
0 (0.00%) Active: 4 Started: 1743 Finished: 1739
summary =    1740 in 00:10:27 =    2.8/s Avg:  1264 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      84 in 00:00:30 =    2.8/s Avg:  1624 Min:   814 Max:   4206 Err:
0 (0.00%) Active: 3 Started: 1826 Finished: 1823
summary =    1824 in 00:10:57 =    2.8/s Avg:  1281 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.8/s Avg:  1500 Min:   810 Max:   7033 Err:
0 (0.00%) Active: 3 Started: 1909 Finished: 1906
summary =    1907 in 00:11:27 =    2.8/s Avg:  1290 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.8/s Avg:  1225 Min:   817 Max:   3242 Err:
0 (0.00%) Active: 4 Started: 1993 Finished: 1989
summary =    1990 in 00:11:58 =    2.8/s Avg:  1287 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      81 in 00:00:30 =    2.7/s Avg:  1410 Min:   825 Max:   3917 Err:
0 (0.00%) Active: 6 Started: 2076 Finished: 2070
summary =    2071 in 00:12:27 =    2.8/s Avg:  1292 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      85 in 00:00:30 =    2.8/s Avg:  1321 Min:   816 Max:   3761 Err:
0 (0.00%) Active: 4 Started: 2159 Finished: 2155
summary =    2156 in 00:12:57 =    2.8/s Avg:  1293 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      84 in 00:00:30 =    2.8/s Avg:  1584 Min:   829 Max:   4805 Err:
0 (0.00%) Active: 4 Started: 2243 Finished: 2239
summary =    2240 in 00:13:27 =    2.8/s Avg:  1304 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.8/s Avg:  1139 Min:   816 Max:   2507 Err:
0 (0.00%) Active: 4 Started: 2326 Finished: 2322
summary =    2323 in 00:13:57 =    2.8/s Avg:  1298 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      83 in 00:00:30 =    2.7/s Avg:  1678 Min:   814 Max:   4749 Err:
0 (0.00%) Active: 6 Started: 2411 Finished: 2405
summary =    2406 in 00:14:28 =    2.8/s Avg:  1311 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +      85 in 00:00:30 =    2.9/s Avg:  1770 Min:   803 Max:   5279 Err:
0 (0.00%) Active: 3 Started: 2493 Finished: 2490
summary =    2491 in 00:14:57 =    2.8/s Avg:  1327 Min:   799 Max:  12956 Err:
0 (0.00%)
summary +       9 in 00:00:03 =    2.7/s Avg:   852 Min:   820 Max:   880 Err:
0 (0.00%) Active: 0 Started: 2500 Finished: 2500
summary =    2500 in 00:15:01 =    2.8/s Avg:  1325 Min:   799 Max:  12956 Err:
0 (0.00%)
Tidying up ...    @ June 27, 2022 4:02:03 PM BDT (1656324123346)
... end of run
```

ASUS@DESKTOP-AIPAOG6 MINGW64 /c/software/apache-jmeter-5.5/bin

\$

HTML Report: 2500 users for 900sec

Apdex	T (Tolerance threshold)	F (Frustration threshold)	Label
0.357	500 ms	1 sec 500 ms	Total
0.357	500 ms	1 sec 500 ms	Book API



Statistics

Requests	Executions			Response Times (ms)							Throughput	Network (KB/sec)	
Label ^	#Samples ⇅	FAIL ⇅	Error % ⇅	Average ⇅	Min ⇅	Max ⇅	Median ⇅	90th pct ⇅	95th pct ⇅	99th pct ⇅	Transactions/s ⇅	Received ⇅	Sent ⇅
Total	2500	0	0.00%	1325.91	799	12956	921.50	2257.30	2689.80	3916.97	2.78	12.91	0.36
Book API	2500	0	0.00%	1325.91	799	12956	921.50	2257.30	2689.80	3916.97	2.78	12.91	0.36