

JaCoCo Test Coverage Report

flight-booking-webflux Sessions

flight-booking-webflux

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.flighthapp.service	0%	0%	34	34	115	115	15	15	15	2	2	2
com.flighthapp.model.enums	0%	n/a	5	5	20	20	5	5	5	5	5	5
com.flighthapp.exception	5%	0%	5	6	14	15	2	3	0	1	0	1
com.flighthapp.controller	0%	n/a	6	6	7	7	6	6	6	1	1	1
com.flighthapp	37%	n/a	1	2	2	3	1	2	0	0	1	10
Total	652 of 658	0%	44 of 44	0%	51	53	158	160	29	31	8	10

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Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.flighthapp.service	57%	26%	25	34	39	115	6	15	0	15	0	2
com.flighthapp.exception	68%	66%	3	6	7	15	1	3	0	3	0	1
com.flighthapp	37%	n/a	1	2	2	3	1	2	0	2	0	1
com.flighthapp.model.enums	100%	n/a	0	5	0	20	0	5	0	5	0	5
com.flighthapp.controller	100%	n/a	0	6	0	7	0	6	0	6	0	1
Total	215 of 658	67%	30 of 44	31%	29	53	48	160	8	31	0	10

SonarQube Code Quality Analysis

The screenshot shows the SonarQube cloud interface. On the left, the navigation sidebar includes 'My Projects', 'My Issues', and 'Explore' at the top, followed by 'flight-booking-webflux' under 'Project'. Below this are sections for 'Information', 'Administration' (with options like 'General Settings', 'Analysis Method', 'Quality Profiles', 'Quality Gate', 'New Code', 'Links', 'Permissions', 'Background Tasks', 'Update Key', 'Webhooks', and 'Deletion'), and an 'Upgrade' button. The main content area displays the project 'flight-booking-webflux' with a status bar indicating 'No tags', 'Last analysis 25 Nov 2025', and '764 Lines of Code'. A chart shows the distribution of code by language: Java (purple), XML (pink), and Unknown (grey). The 'Main Branch Status' section shows a 'Quality Gate' icon with a minus sign and the text 'Not computed', accompanied by an icon of a document with a gear and a lightbulb. Below this, it says 'The next scan will generate a Quality Gate.' The 'Main Branch Evolution' section is noted as 'since 2 minutes ago' and states 'No historical data yet', with a note to 'Launch a second analysis on your Main Branch to see historical data'.

The screenshot shows the SonarQube cloud interface on the 'Summary' tab for the 'main' branch of the 'flight-booking-webflux' project. The left sidebar includes 'My Projects', 'My Issues', and 'Explore' at the top, followed by 'flight-booking-webflux' under 'Project', 'Public' status, and a star icon. Below this are sections for 'Overview' (selected), 'Main Branch' (highlighted with a blue border), 'Pull Requests', 'Branches', 'Information', and 'Administration'. The main content area shows a 'Passed' status for the 'Quality Gate: Sonar way'. It displays various metrics: Security (0 Open issues, A grade), Reliability (0 Open issues, A grade), Maintainability (6 Open issues, A grade), Accepted Issues (0), Coverage (53.4%, No conditions set on 179 Lines to cover), and Duplications (7.6%, No conditions set on 1k Lines).

JMeter Load Testing Report

Application URL: <http://localhost:9091>

API tested: /api/v1.0/flight/search

Data format: JSON request body

The screenshot shows the Apache JMeter interface. On the left, the Test Plan tree view shows a Thread Group named "search flights" which contains a Summary Report, Aggregate Report, and View Results Tree. The main panel displays the "HTTP Request" configuration for this thread group. The "Name" field is set to "search flights". The "Web Server" section has "Protocol [http]:" set to "http", "Server Name or IP:" set to "localhost", and "Port Number:" set to "9091". The "HTTP Request" section shows a "POST" method with "Path: /api/v1.0/flight/search". Below these, there are checkboxes for "Redirect Automatically", "Follow Redirects", "Use KeepAlive", "Use multipart/form-data", and "Browser-compatible headers". The "Parameters" tab is selected, showing a JSON payload:

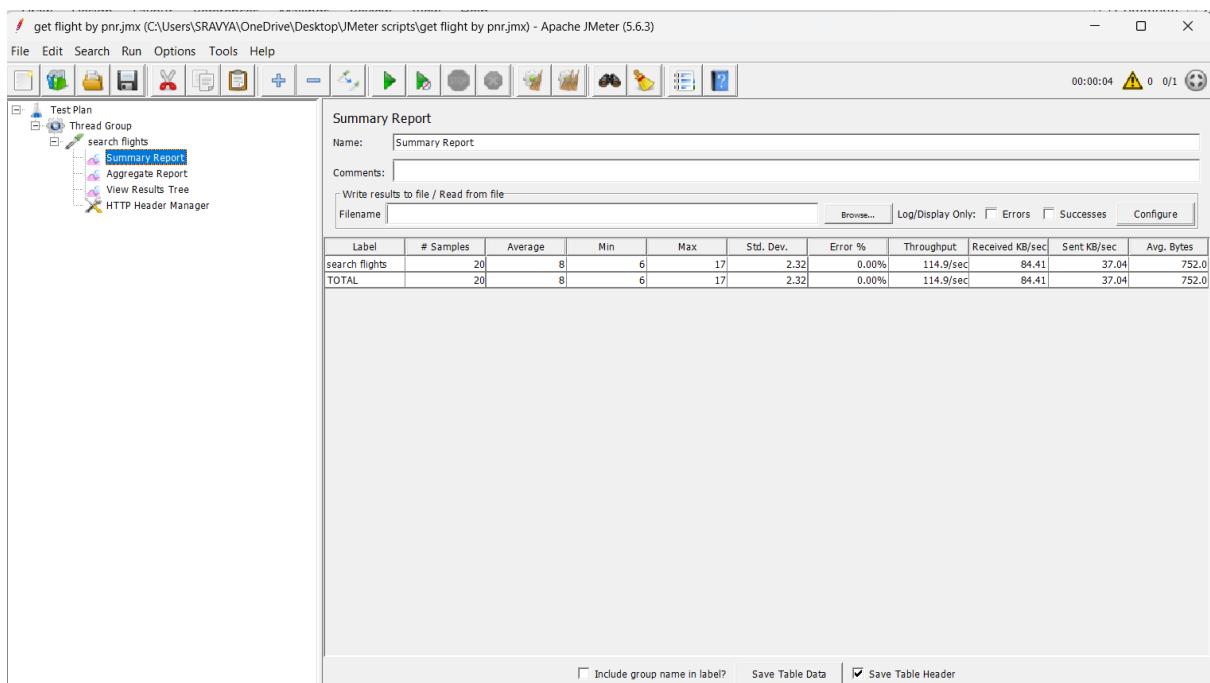
```
1 {
2   "fromPlace": "HYDERABAD",
3   "toPlace": "DELHI",
4   "journeyDate": "2025-12-15",
5   "roundTrip": false
6 }
7 
```

20 Requests

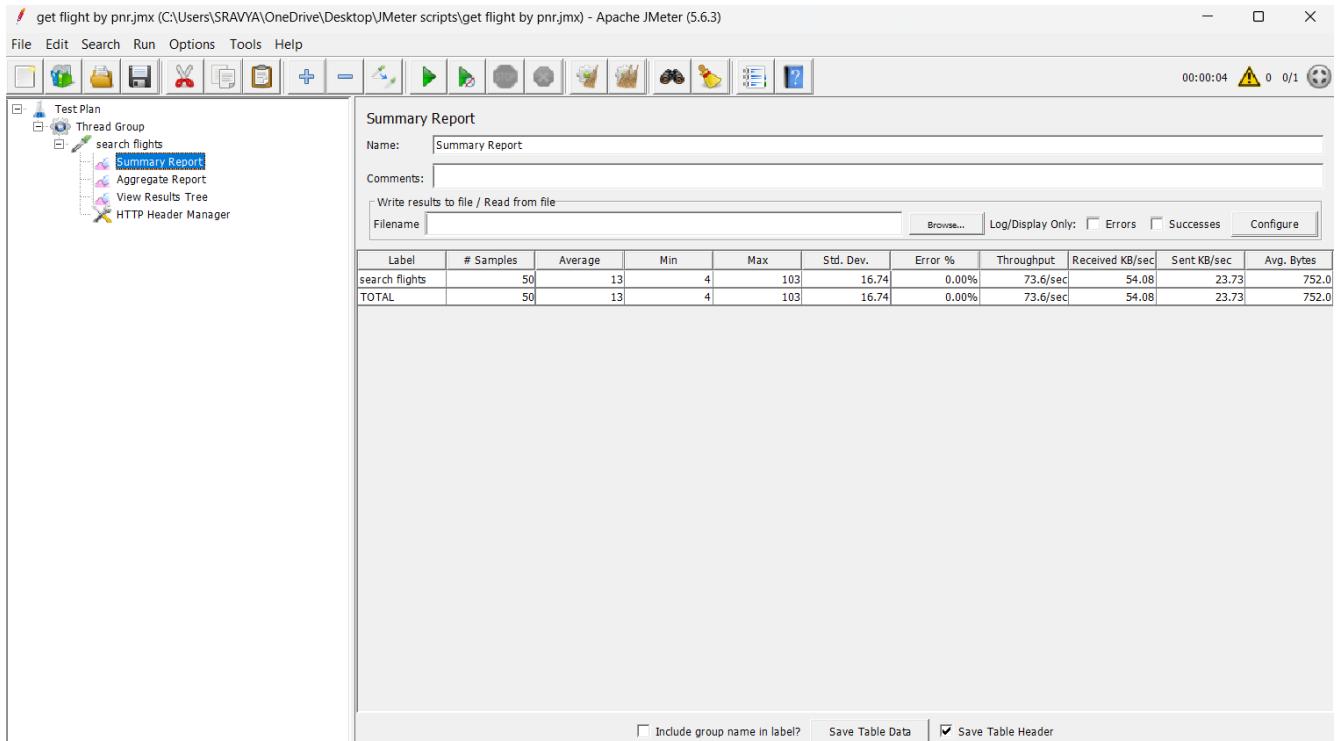
The screenshot shows the Apache JMeter interface after running 20 requests. The Test Plan tree view is the same as before. The main panel now displays the "Aggregate Report" configuration. The "Name" field is set to "Aggregate Report". The "Write results to file / Read from file" section includes a "Filename" input field and checkboxes for "Log/Display Only", "Errors", "Successes", and "Configure". Below this is a table showing the results for the "search flights" thread group:

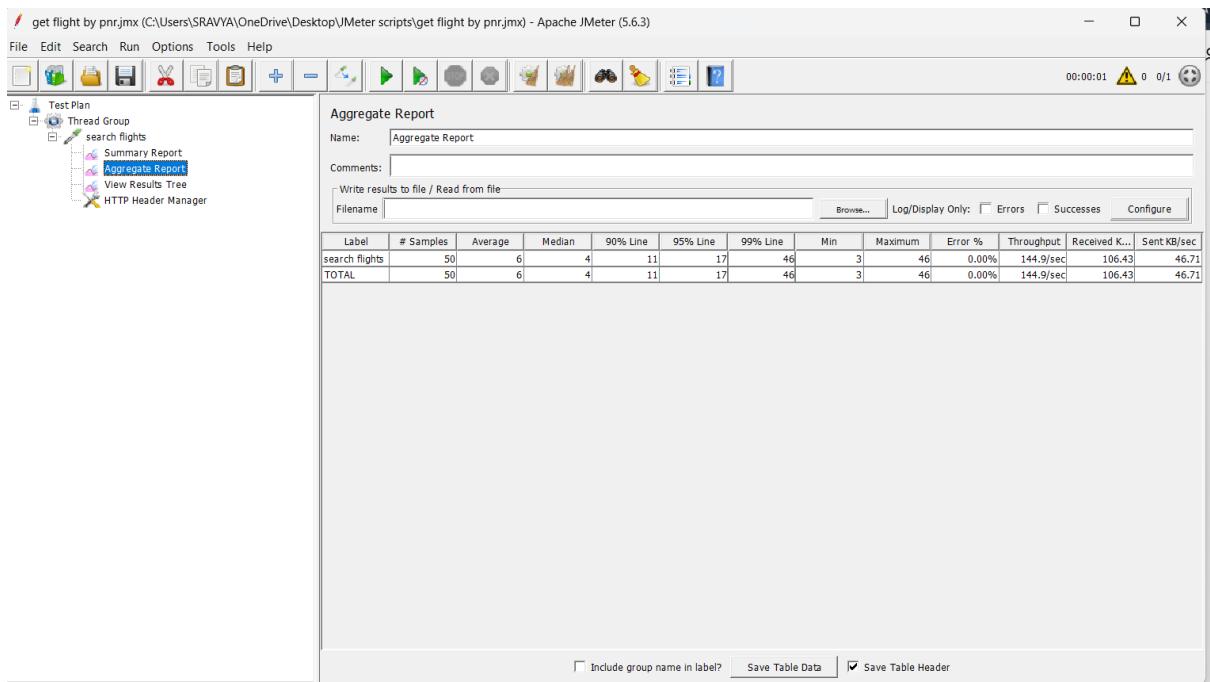
Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received K...	Sent KB/sec
search flights	20	9	8	14	15	15	5	15	0.00%	20.8/sec	15.30	6.71
TOTAL	20	9	8	14	15	15	5	15	0.00%	20.8/sec	15.30	6.71

At the bottom of the table, there are checkboxes for "Include group name in label?", "Save Table Data", and "Save Table Header".

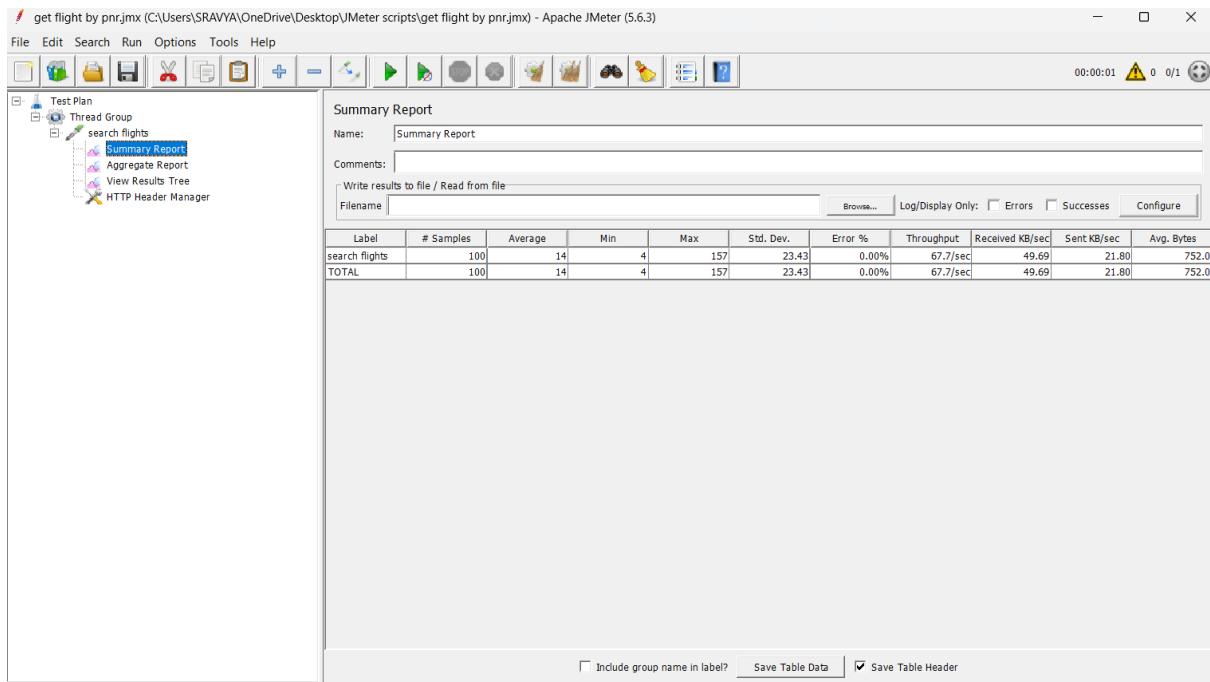


50 Requests





100 Requests



get flight by pnr.jmx (C:\Users\SRAVYA\OneDrive\Desktop\JMeter scripts\get flight by pnr.jmx) - Apache JMeter (5.6.3)

File Edit Search Run Options Tools Help

00:00:05 ⚠ 0 0/100 ⚙

Test Plan

Thread Group

search flights

Summary Report

Aggregate Report

View Results Tree

HTTP Header Manager

Aggregate Report

Name: Aggregate Report

Comments:

Write results to file / Read from file

Filename:

Browse... Log/Display Only: Errors Successes Configure

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received K...	Sent KB/sec
search flights	100	6	6	8	12	34	4	35	0.00%	19.8/sec	14.51	6.37
TOTAL	100	6	6	8	12	34	4	35	0.00%	19.8/sec	14.51	6.37

Include group name in label? Save Table Data Save Table Header

The screenshot shows the Apache JMeter interface with the 'Aggregate Report' tab selected. On the left, the 'Test Plan' tree view shows a 'Thread Group' named 'search flights'. The 'Aggregate Report' tab is highlighted. The main panel displays the 'Aggregate Report' configuration and a results table. The table has columns for Label, # Samples, Average, Median, 90% Line, 95% Line, 99% Line, Min, Maximum, Error %, Throughput, Received K..., and Sent KB/sec. Two rows are present: one for the 'search flights' group and one for the 'TOTAL' row. Both rows show values: Average 6, Median 6, 90% Line 8, 95% Line 12, 99% Line 34, Min 4, Maximum 35, Error % 0.00%, Throughput 19.8/sec, Received K... 14.51, and Sent KB/sec 6.37.