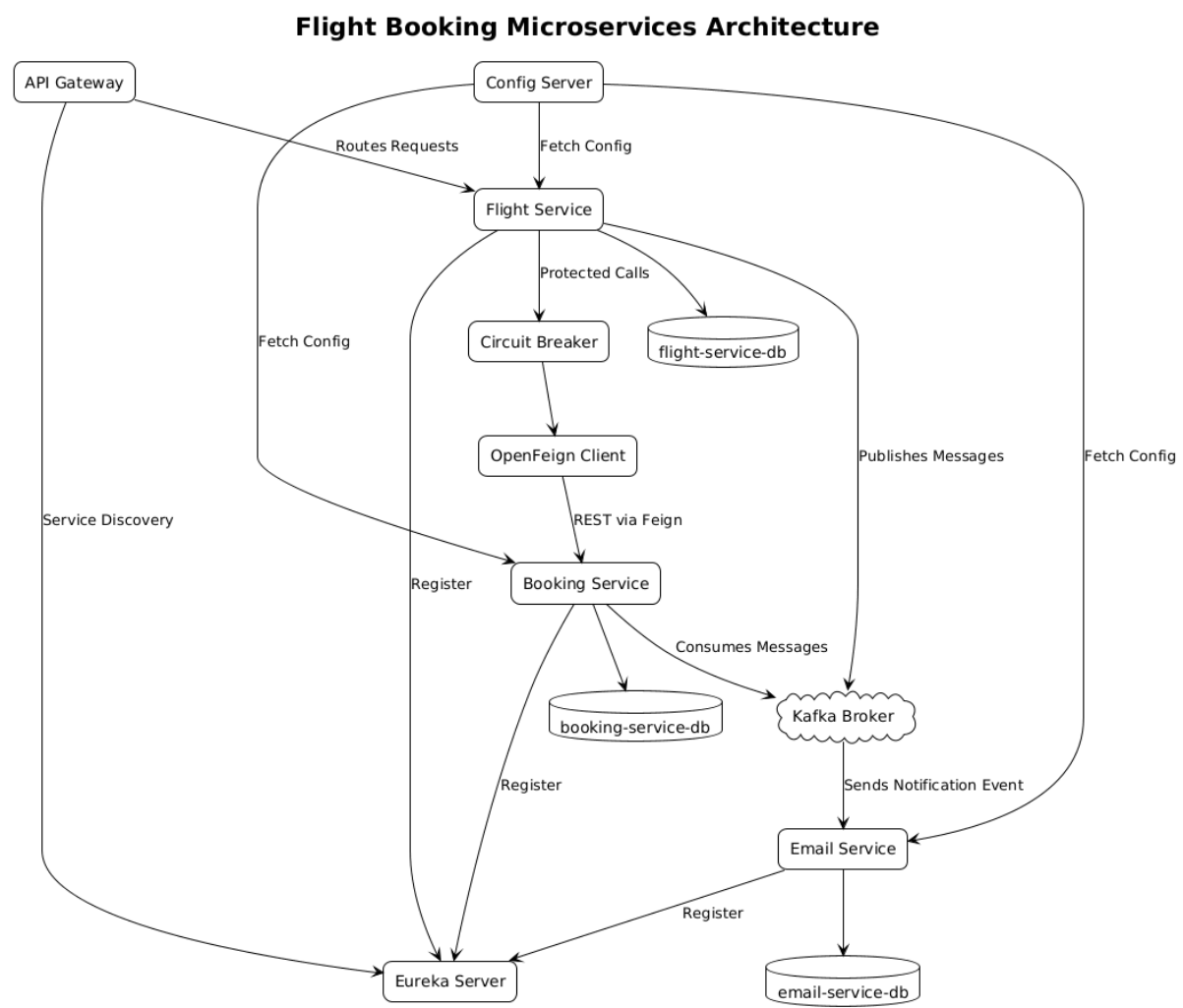


Current Microservices Architecture:



Eureka-server:

Application	AMIs	Availability Zones	Status
EMAIL-SERVICE	n/a (1)	(1)	UP (1) - host.docker.internal:email-service:8085
API-GATEWAY	n/a (1)	(1)	UP (1) - host.docker.internal:api-gateway:8080
BOOKING-SERVICE	n/a (1)	(1)	UP (1) - host.docker.internal:booking-service:8082
CONFIG-SERVER	n/a (1)	(1)	UP (1) - host.docker.internal:config-server:8888
FLIGHT-SERVICE	n/a (1)	(1)	UP (1) - host.docker.internal:flight-service:8081

General Info

Jacoco coverage:

FlightService:

FlightService

FlightService

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.flightservice	<div><div></div></div>	37%	<div><div></div></div>	n/a	1	2	2	3	1	2	0	1
com.flightservice.services	<div><div></div></div>	100%	<div><div></div></div>	100%	0	10	0	40	0	9	0	1
com.flightservice.controllers	<div><div></div></div>	100%	<div><div></div></div>	100%	0	8	0	13	0	5	0	1
Total	5 of 231	97%	0 of 8	100%	1	20	2	56	1	16	0	3

BookingService:

booking-service

booking-service

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.bookingservice	<div><div></div></div>	22%	<div><div></div></div>	n/a	2	4	5	7	2	4	0	2
com.bookingservice.kafka	<div><div></div></div>	0%	<div><div></div></div>	n/a	1	1	2	2	1	1	1	1
com.bookingservice.services	<div><div></div></div>	100%	<div><div></div></div>	100%	0	9	0	54	0	8	0	1
com.bookingservice.config	<div><div></div></div>	100%	<div><div></div></div>	n/a	0	3	0	7	0	3	0	1
com.bookingservice.controller	<div><div></div></div>	100%	<div><div></div></div>	n/a	0	4	0	5	0	4	0	1
Total	28 of 275	89%	0 of 2	100%	3	21	7	75	3	20	1	6

Docker for kafaka and zookeeper:

Images

Give feedback

Local

My Hub

1.01 GB / 2.43 GB in use

2 images

Last refresh: 4 hours ago

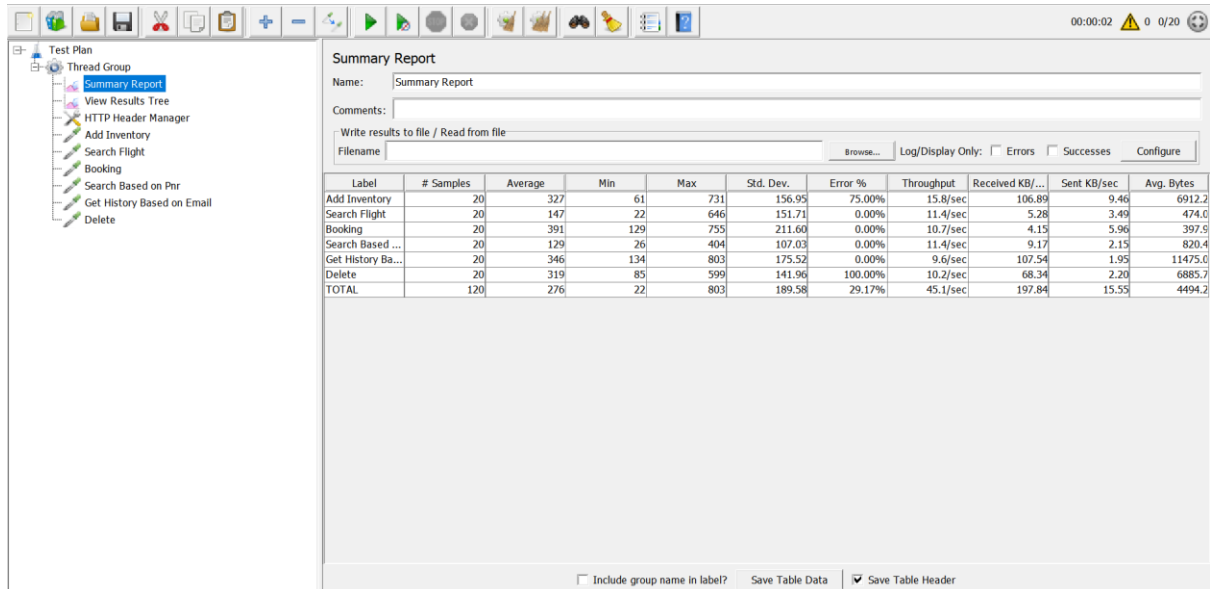
Q

Search

<input type="checkbox"/>	Name	Tag	Image ID	Created	Size	Actions
<input type="checkbox"/>	confluentinc/cp-zookeeper	7.4.0	90631f224b43	3 years ago	1.32 GB	<div><div></div><div></div><div></div></div>
<input type="checkbox"/>	confluentinc/cp-kafka	7.4.0	187dac6627e7	3 years ago	1.32 GB	<div><div></div><div></div><div></div></div>

Jmeter reports:

For 20 requests:

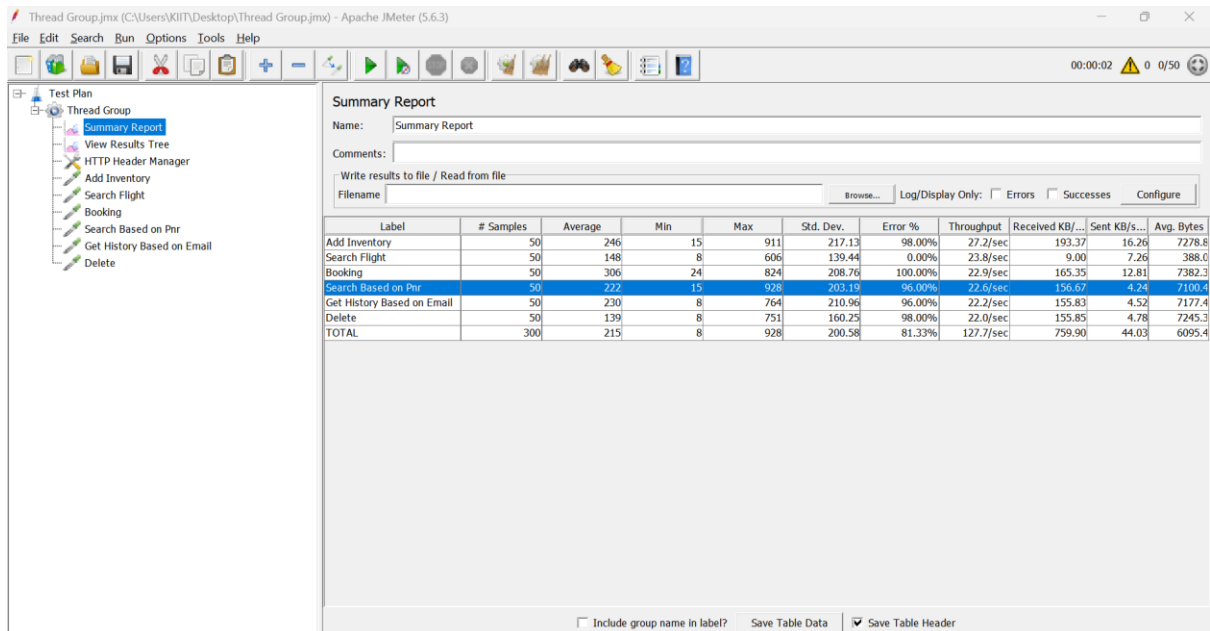


The screenshot shows the JMeter Summary Report for a test plan named 'Thread Group'. The report displays a table with 11 columns: Label, # Samples, Average, Min, Max, Std. Dev., Error %, Throughput, Received KB/..., Sent KB/sec, and Avg. Bytes. The data is as follows:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/...	Sent KB/sec	Avg. Bytes
Add Inventory	20	327	61	731	156.95	75.00%	15.8/sec	106.89	9.46	6912.2
Search Flight	20	147	22	646	151.71	0.00%	11.4/sec	5.28	3.49	474.0
Booking	20	391	129	755	211.60	0.00%	10.7/sec	4.15	5.96	397.9
Search Based ...	20	129	26	404	107.03	0.00%	11.4/sec	9.17	2.15	820.4
Get History Ba...	20	346	134	803	175.52	0.00%	9.6/sec	107.54	1.95	11475.0
Delete	20	319	85	599	141.96	100.00%	10.2/sec	68.34	2.20	6885.7
TOTAL	120	276	22	803	189.58	29.17%	45.1/sec	197.84	15.55	4494.2

At the bottom of the report, there are checkboxes for 'Include group name in label?' (unchecked), 'Save Table Data' (checked), and 'Save Table Header' (checked).

For 50 requests:

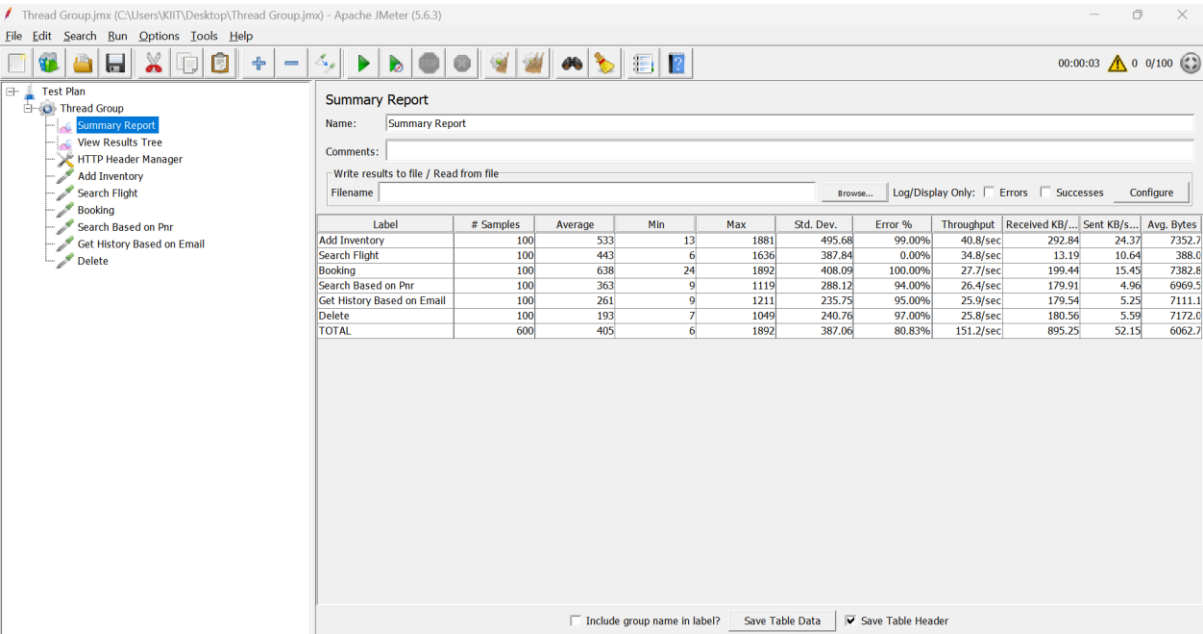


The screenshot shows the JMeter Summary Report for a test plan named 'Thread Group'. The report displays a table with 11 columns: Label, # Samples, Average, Min, Max, Std. Dev., Error %, Throughput, Received KB/..., Sent KB/s..., and Avg. Bytes. The data is as follows:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/...	Sent KB/s...	Avg. Bytes
Add Inventory	50	246	15	911	217.13	98.00%	27.2/sec	193.37	16.26	7278.8
Search Flight	50	148	8	606	139.44	0.00%	23.8/sec	9.00	7.26	388.0
Booking	50	306	24	824	208.76	100.00%	22.9/sec	165.35	12.81	7382.3
Search Based on Pnr	50	222	15	928	203.10	99.00%	22.8/sec	155.07	4.24	7103.6
Get History Based on Email	50	230	8	764	210.96	96.00%	22.2/sec	155.83	4.52	7172.4
Delete	50	139	8	751	160.25	98.00%	22.0/sec	155.85	4.78	7245.3
TOTAL	300	215	8	928	200.58	81.33%	127.7/sec	759.90	44.03	6095.4

At the bottom of the report, there are checkboxes for 'Include group name in label?' (unchecked), 'Save Table Data' (checked), and 'Save Table Header' (checked).

For 100 requests:



Newman report:

to add flight	
Method	POST
URL	http://localhost:8080/api/flight/inventory
Mean time per request	465ms
Mean size per request	1.91KB
Total passed tests	0
Total failed tests	0
Status code	200

to book ticket from bookinservice taking help of flight service

Method
POST
URL
<http://localhost:8080/api/flights/booking>

Mean time per request
358ms

Mean size per request
341B

Total passed tests
0
Total failed tests
0

Status code
201

to search flights by details

Method
POST
URL
<http://localhost:8080/api/booking/search>

Mean time per request
66ms

Mean size per request
291B

Total passed tests
0
Total failed tests
0

Status code
200

to get ticket by pnr

Method
GET
URL
<http://localhost:8080/api/booking/getByPnr/PNR20251130G9YA>

Mean time per request
69ms

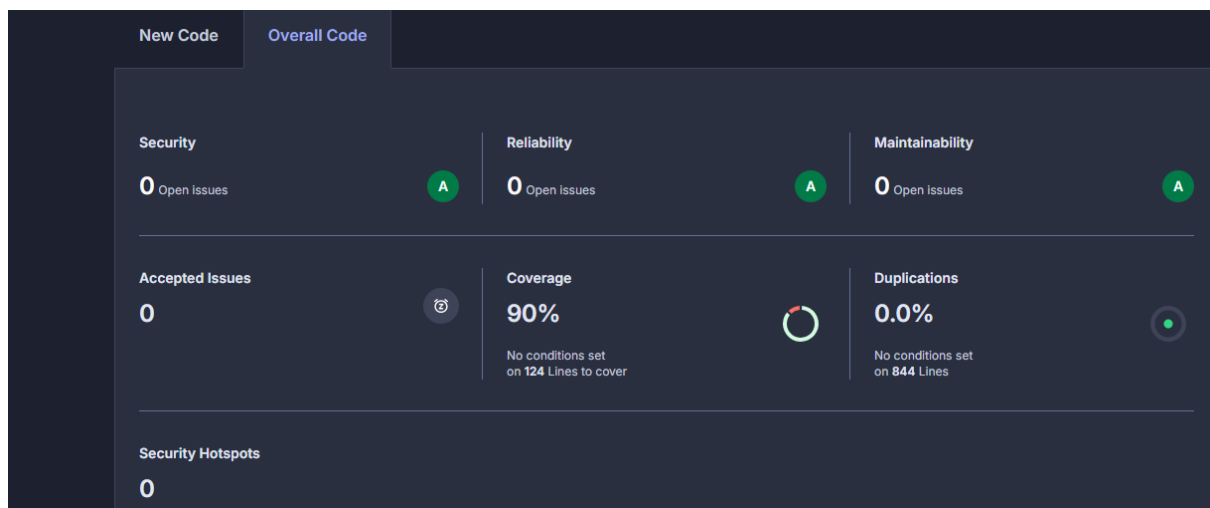
Mean size per request
341B

Total passed tests
0
Total failed tests
0

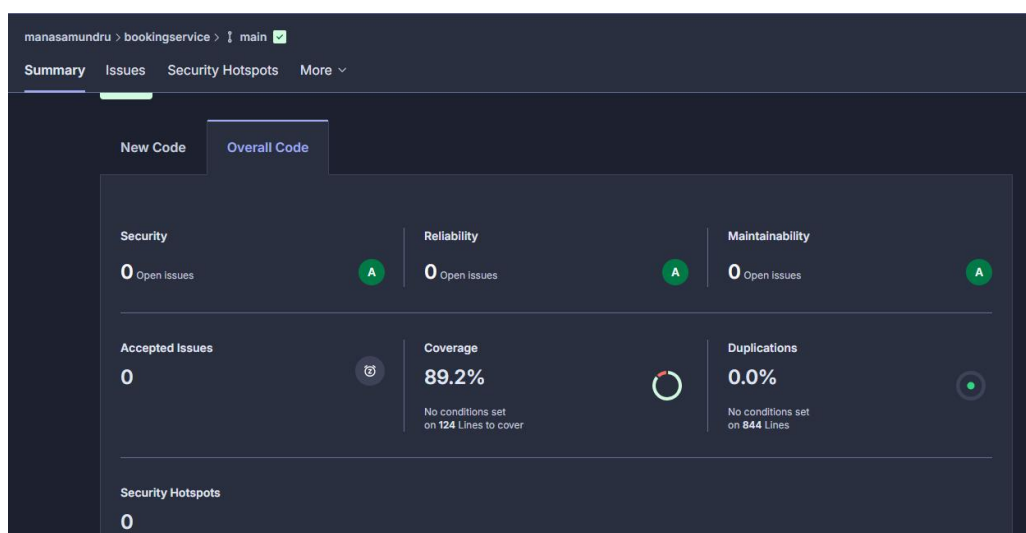
Status code
200

to delete by pnr	
Method	DELETE
URL	http://localhost:8080/api/booking/delete/PNR20251130G9YA
Mean time per request	47ms
Mean size per request	105B
Total passed tests	0
Total failed tests	0
Status code	200

SonarQube for flightservice:



SonarQube for bookingservice:



Mysql for flight db and booking db

