

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

flight-booking-microser...

Project

Public

Overview

Main Branch

Pull Requests

Branches

Information

Administration

Aryan Krishna > flight-booking-microservices > main

SummaryIssuesSecurity HotspotsMore

Security

0 Open Issues

A

Reliability

0 Open Issues

A

Maintainability

0 Open Issues

A

Accepted Issues

0

Coverage

A few extra steps are needed for SonarQube Cloud to analyze your code coverage.

[Set up coverage analysis](#)

Duplications

3.2%

No conditions set on 4.5k Lines

Security Hotspots

0

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%		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%		n/a	2	4	5	7	2	4	0	2
 com.bookingservice.kafka	<div><div></div></div>	0%		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%		n/a	0	3	0	7	0	3	0	1
 com.bookingservice.controller	<div><div></div></div>	100%		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 :

```
D:\Coding\flight-booking-microservices>docker compose up
time="2025-12-09T02:35:10+05:30" level=warning msg="D:\\Coding\\flight-booking-microservices\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Running 12/12
  ✔ mysql Pulled
  ✔ db8812fa3131 Pull complete
  ✔ 907afe780e24 Pull complete
  ✔ 3a7bd505eaa0 Pull complete
  ✔ 7a5e1e917526 Pull complete
  ✔ 96682d77f5a0 Pull complete
  ✔ 0ddab5f772d8 Pull complete
  ✔ 4f1ef7d4d76b Pull complete
  ✔ 8c3cd0b3401c Pull complete
  ✔ 98c09a342d40 Pull complete
  ✔ 5f838d3bc363 Pull complete
  ✔ 3c731fd1a3 Pull complete
[*] Building 27/25 (33/33) FINISHED
=> [internal] load local bake definitions
=> => reading from stdin 2.83kB
=> [eureka-server internal] load build definition from Dockerfile
=> => transferring dockerfile: 201B
=> [booking-service internal] load build definition from Dockerfile
=> => transferring dockerfile: 201B
=> [api-gateway internal] load build definition from Dockerfile
=> => transferring dockerfile: 197B
=> [flight-service internal] load build definition from Dockerfile
=> => transferring dockerfile: 200B
=> [config-server internal] load build definition from Dockerfile
=> => transferring dockerfile: 200B
=> [eureka-server internal] load metadata for docker.io/library/maven:3.8.5-openjdk-17
=> [config-server internal] load .dockerignore
=> => transferring context: 2B
=> [api-gateway internal] load .dockerignore
=> => transferring context: 2B
=> [flight-service internal] load .dockerignore
=> => transferring context: 2B
=> [eureka-server internal] load .dockerignore
=> => transferring context: 2B
=> [eureka-server internal] load .dockerignore
=> => transferring context: 2B
=> [booking-service internal] load .dockerignore
=> => transferring context: 2B
=> [flight-service 1/4] FROM docker.io/library/maven:3.8.5-openjdk-17@sha256:3a9c30b3af6278a8ae0007d3a3bf00fff8
=> => resolve docker.io/library/maven:3.8.5-openjdk-17@sha256:3a9c30b3af6278a8ae0007d3a3bf00fff8
=> => sha256:dbd02ad382f576fbad77be92e570539a0e0ded2a7551bd6cbf00d8f3812222c5 355B / 355B
=> => sha256:b548970362bbce29f935198803249dea5dd29eae24c3a8cb78ab19e72ef453e5 857B / 857B
=> => sha256:81485058ab895ca070d5a827e381a8123be3803444fa5560063f8974aa912513 8.74MB / 8.74MB
=> => sha256:3337662e6dc91d95d1636b019b33ee9a379f58e64891eae3ce325ad98d547704 180.14MB / 180.14MB
=> => extracting sha256:3337662e6dc91d95d1636b019b33ee9a379f58e64891eae3ce325ad98d547704
=> => extracting sha256:81485058ab895ca070d5a827e381a8123be3803444fa5560063f8974aa912513
=> => extracting sha256:b548970362bbce29f935198803249dea5dd29eae24c3a8cb78ab19e72ef453e5
=> => extracting sha256:dbd02ad382f576fbad77be92e570539a0e0ded2a7551bd6cbf00d8f3812222c5
=> [booking-service internal] load build context
=> => transferring context: 375.92kB
=> [api-gateway internal] load build context
=> => transferring context: 85.99kB
=> [eureka-server internal] load build context
=> => transferring context: 4.27kB
=> [config-server internal] load build context
=> => transferring context: 4.62kB
=> [flight-service internal] load build context
=> => transferring context: 287.59kB
=> [api-gateway 2/4] WORKDIR /api-gateway
=> [flight-service 2/4] WORKDIR /flight-service
=> [eureka-server 2/4] WORKDIR /eureka-server
=> [config-server 2/4] WORKDIR /config-service
=> [booking-service 2/4] WORKDIR /booking-service
=> [api-gateway 3/4] COPY . .
=> [config-server 3/4] COPY . .
=> [flight-service 3/4] COPY . .
```

V View in Docker Desktop **O** View Config **W** Enable Watch

```
[INFO] Not compiling test sources
[INFO]
[flight-service] << spring-boot-maven-plugin:3.2.0:run (default-cli) < test-compile @ flight-service <<
[INFO]
[flight-service] --- spring-boot-maven-plugin:3.2.0:run (default-cli) @ flight-service ---
[INFO] Attaching agents: []

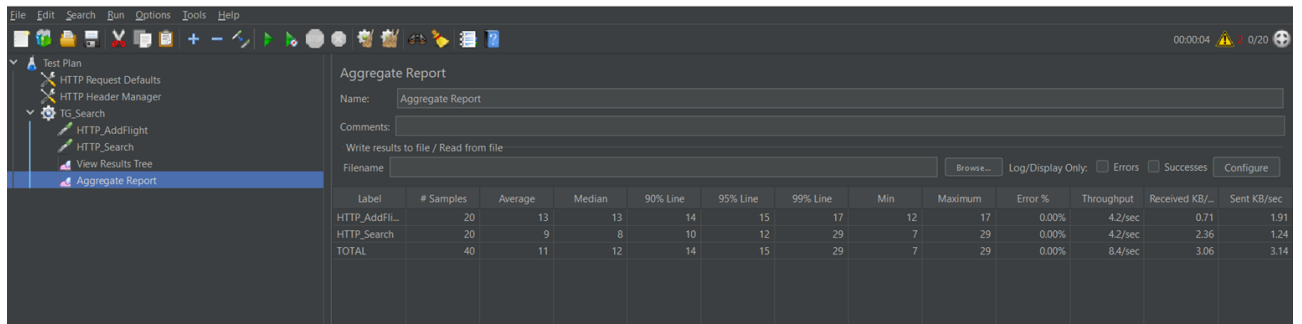
=====|=====-/==>
Spring Boot
:: Spring Boot ::      (v3.2.0)

2025-12-08 07:52:54 - Starting FlightServiceApplication using Java 17.0.2 with PID 63 (/flight-service/target/classes started by root in /flight-service)
2025-12-08 07:52:54 - Running with Spring Boot v3.2.0, Spring v6.1.1
2025-12-08 07:52:54 - The following 1 profile is active: "docker"
2025-12-08 07:52:54 - Devtools property defaults active! Set 'spring.devtools.add-properties' to 'false' to disable
2025-12-08 07:52:54 - For additional web related logging consider setting the 'logging.level.web' property to 'DEBUG'
2025-12-08 07:52:54 - Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2025-12-08 07:52:56 - Finished Spring Data repository scanning in 270 ms. Found 2 JPA repository interfaces.
2025-12-08 07:52:57 - BeanFactory id=6f933f0b-a627-3234-b436-5f2161f21a4
2025-12-08 07:52:58 - Tomcat initialized with port 9001 (http)
2025-12-08 07:52:58 - Starting service [Tomcat]
2025-12-08 07:52:58 - Starting Servlet engine: [Apache Tomcat/10.1.16]
2025-12-08 07:52:58 - Initializing Spring embedded WebApplicationContext
2025-12-08 07:52:58 - Root WebApplicationContext: initialization completed in 4403 ms
2025-12-08 07:52:59 - Filter 'webMvcObservationFilter' configured for use
2025-12-08 07:53:00 - No LoadTimeWeaver setup; ignoring JPA class transformer
2025-12-08 07:53:00 - HikariPool-1 - Starting...
2025-12-08 07:53:00 - HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@233c78db
2025-12-08 07:53:00 - HikariPool-1 - Start completed.
2025-12-08 07:53:00 - HHH90000025: MySQLDialect does not need to be specified explicitly using 'hibernate.dialect' (remove the property setting and it will be selected by default)
2025-12-08 07:53:02 - Initialized JPA EntityManagerFactory for persistence unit 'default'
```


Service	Port	Log Level	Log Message
eureka-server	8761	DEBUG	king/cancel/{pnr}} to Path
flight-microservice-eu	8761	DEBUG	2025-12-08 15:23:43 apt_gateway 2025-12-08T09:53:43.509Z DEBUG 61 --- [security-apt-gateway] [freshExecutor-0] o.s.c.g.r.RouteDefinitionRouteLocator : RouteDefinition booking-cancel applying {_genkey_0-DELETE} to Method
flight-microservice-eu	8761	DEBUG	2025-12-08 15:23:43 apt_gateway 2025-12-08T09:53:43.510Z DEBUG 61 --- [security-apt-gateway] [freshExecutor-0] o.s.c.g.r.RouteDefinitionRouteLocator : RouteDefinition booking-cancel applying filter {_genkey_0-0} to StripPfx
flight-service	9001	DEBUG	2025-12-08 15:23:43 apt_gateway 2025-12-08T09:53:43.512Z DEBUG 61 --- [security-apt-gateway] [freshExecutor-0] o.s.c.g.r.RouteDefinitionRouteLocator : RouteDefinition matched: booking-cancel
flight-microservice-flig	9001	DEBUG	2025-12-08 15:23:43 apt_gateway 2025-12-08T09:53:43.514Z DEBUG 61 --- [security-apt-gateway] [freshExecutor-0] o.s.c.g.filter.GatewayMetricsFilter : New routes count: 11
flight-mysql	3307	INFO	2025-12-08 15:23:45 flight-service 2025-12-08 09:53:45 - HTTP GET http://eureka-server:8761/eureka/apps/delta
mysql:8.0	3306	INFO	2025-12-08 15:23:45 flight-service 2025-12-08 09:53:45 - Accept-[application/json, application/*+json]
flight-microservice-flig	9002	INFO	2025-12-08 15:23:45 flight-service 2025-12-08 09:53:45 - Response 200 OK
booking-service	8062	INFO	2025-12-08 15:23:45 flight-service 2025-12-08 09:53:45 - Reading to [org.springframework.cloud.netflix.eureka.ht
flight-microservice-bo	9002	INFO	2025-12-08 15:23:45 flight-service 2025-12-08 09:53:45 - Reading to [org.springframework.cloud.netflix.eureka.ht
api-gateway	8062	INFO	2025-12-08 15:23:49 booking-service 2025-12-08 09:53:49 - HTTP PUT http://eureka-server:8761/eureka/apps/FLIGHT-S
flight-microservice-ap	8062	INFO	2025-12-08 15:23:49 booking-service 2025-12-08 09:53:49 - HTTP PUT http://eureka-server:8761/eureka/apps/FLIGHT-S
flight-microservice-ap	8062	INFO	2025-12-08 15:23:49 booking-service 2025-12-08 09:53:49 - Accept-[application/json, application/*+json]
flight-microservice-ap	8062	INFO	2025-12-08 15:23:49 booking-service 2025-12-08 09:53:49 - Response 200 OK
flight-microservice-ap	8062	INFO	2025-12-08 15:23:49 booking-service 2025-12-08 09:53:49 - Reading to [org.springframework.cloud.netflix.eureka.ht
flight-microservice-ap	8062	INFO	2025-12-08 15:23:49 booking-service 2025-12-08 09:53:49 - HTTP PUT http://eureka-server:8761/eureka/apps/BOOKING-
flight-microservice-ap	8062	INFO	2025-12-08 15:23:49 booking-service 2025-12-08 09:53:49 - HTTP PUT http://eureka-server:8761/eureka/apps/BOOKING-
flight-microservice-ap	8062	INFO	2025-12-08 15:23:49 booking-service 2025-12-08 09:53:49 - Accept-[application/json, application/*+json]
flight-microservice-ap	8062	INFO	2025-12-08 15:23:49 booking-service 2025-12-08 09:53:49 - Response 200 OK

Jmeter reports:

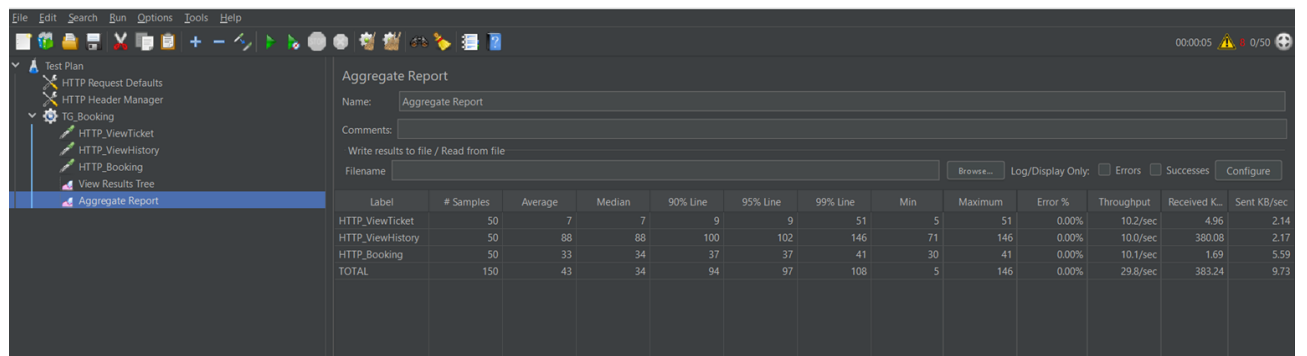
For 20 requests:



The screenshot shows the JMeter interface with the 'Aggregate Report' tab selected. The report displays statistics for three test elements: HTTP_AddFlight, HTTP_Search, and a TOTAL. The table includes columns for Label, # Samples, Average, Median, 90% Line, 95% Line, 99% Line, Min, Maximum, Error %, Throughput, Received KB/sec, and Sent KB/sec. The status bar at the top right indicates a duration of 00:00:04 and 0/20 requests.

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received KB/sec	Sent KB/sec
HTTP_AddFlight	20	13	13	14	15	17	12	17	0.00%	4.2/sec	0.71	1.91
HTTP_Search	20	9	8	10	12	29	7	29	0.00%	4.2/sec	2.36	1.24
TOTAL	40	11	12	14	15	29	7	29	0.00%	8.4/sec	3.06	3.14

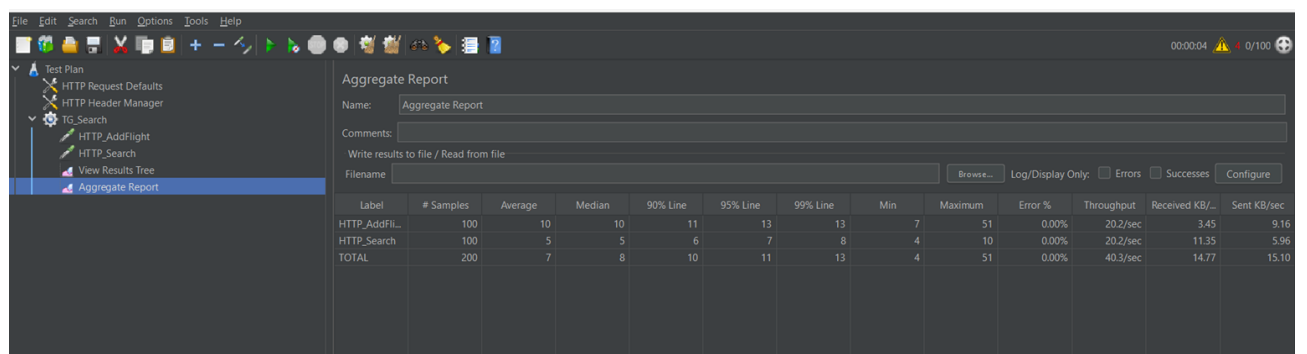
For 50 requests:



The screenshot shows the JMeter interface with the 'Aggregate Report' tab selected. The report displays statistics for three test elements: HTTP_ViewTicket, HTTP_ViewHistory, and HTTP_Booking. The table includes columns for Label, # Samples, Average, Median, 90% Line, 95% Line, 99% Line, Min, Maximum, Error %, Throughput, Received KB/sec, and Sent KB/sec. The status bar at the top right indicates a duration of 00:00:05 and 0/50 requests.

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received KB/sec	Sent KB/sec
HTTP_ViewTicket	50	7	7	9	9	51	5	51	0.00%	10.2/sec	4.96	2.14
HTTP_ViewHistory	50	88	88	100	102	146	71	146	0.00%	10.0/sec	380.08	2.17
HTTP_Booking	50	33	34	37	37	41	30	41	0.00%	10.1/sec	1.69	5.59
TOTAL	150	43	34	94	97	108	5	146	0.00%	29.8/sec	383.24	9.73

For 100 requests:



The screenshot shows the JMeter interface with the 'Aggregate Report' tab selected. The report displays statistics for three test elements: HTTP_AddFlight, HTTP_Search, and a TOTAL. The table includes columns for Label, # Samples, Average, Median, 90% Line, 95% Line, 99% Line, Min, Maximum, Error %, Throughput, Received KB/sec, and Sent KB/sec. The status bar at the top right indicates a duration of 00:00:04 and 0/100 requests.

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received KB/sec	Sent KB/sec
HTTP_AddFlight	100	10	10	11	13	13	7	51	0.00%	20.2/sec	3.45	9.16
HTTP_Search	100	5	5	6	7	8	4	10	0.00%	20.2/sec	11.35	5.96
TOTAL	200	7	8	10	11	13	4	51	0.00%	40.3/sec	14.77	15.10

