

1. Eureka Server

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - e8937e6f783f:api-gateway:8765
AUTH-SERVICE	n/a (1)	(1)	UP (1) - a1648b1d7ba0:auth-service:8085
CONFIG-SERVER	n/a (1)	(1)	UP (1) - c7c04c421e2d:CONFIG-SERVER:8888
EMAIL-SERVICE	n/a (1)	(1)	UP (1) - fa385c6f7be3:email-service:9005
FLIGHT-SERVICE	n/a (1)	(1)	UP (1) - 1ce29befd82c:flight-service:9002
PASSENGER-SERVICE	n/a (1)	(1)	UP (1) - 9fa40f4ba532:passenger-service:9001
TICKET-SERVICE	n/a (1)	(1)	UP (1) - 80ace9dfdf4a:ticket-service:9003

2. Docker ps

For health status actuator was added for every service.

D:\Projects\eclipse_projects\ChubbWeeklyAssignmentsAndWorks\Week8\Week8Assignment>docker ps	CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS	PORTS
c51829b58ea0 week8assignment-email-service	5->9005/tcp, [::]:9005->9005/tcp	email-service	"java -jar email-ser..."	2 minutes ago	Up About a minute (healthy)	0.0.0.0:900	
35586c9b6902 week8assignment-ticket-service	3->9003/tcp, [::]:9003->9003/tcp	ticket-service	"java -jar ticket-se..."	2 minutes ago	Up About a minute (healthy)	0.0.0.0:900	
1f0c4c6d0021 week8assignment-flight-service	2->9002/tcp, [::]:9002->9002/tcp	flight-service	"java -jar flight-se..."	2 minutes ago	Up About a minute (healthy)	0.0.0.0:900	
5dae064da0b7 week8assignment-passenger-service	1->9001/tcp, [::]:9001->9001/tcp	passenger-service	"java -jar passenger..."	2 minutes ago	Up About a minute (healthy)	0.0.0.0:900	
335291f9265f week8assignment-auth-service	5->8085/tcp, [::]:8085->8085/tcp	auth-service	"java -jar app.jar"	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:808	
f5c7d801b8a0 confluentinc/cp-kafka:5.0.0	2->9092/tcp, [::]:9092->9092/tcp	kafka	"/etc/confluent/dock..."	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:909	
3eb96c7dc926 week8assignment-config-server	8->8888/tcp, [::]:8888->8888/tcp	config-server	"java -jar config-se..."	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:888	
bff58246bd69c week8assignment-api-gateway	5->8765/tcp, [::]:8765->8765/tcp	api-gateway	"java -jar api-gatew..."	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:876	
2419b6615417 postgres:16	5->5432/tcp, [::]:5435->5432/tcp	postgres-ticket	"docker-entrypoint.s..."	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:543	
f2440bcd8b8a postgres:16	4->5432/tcp, [::]:5434->5432/tcp	postgres-flight	"docker-entrypoint.s..."	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:543	
0e5b226148f0 postgres:16	3->5432/tcp, [::]:5433->5432/tcp	postgres-db	"docker-entrypoint.s..."	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:543	
9b27befc919c mysql:8	6->3306/tcp, [::]:3306->3306/tcp	mysql-db	"docker-entrypoint.s..."	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:330	
a36367128fd8 week8assignment-eureka-server	1->8761/tcp, [::]:8761->8761/tcp	eureka-server	"java -jar service-r..."	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:876	
alceac61c564 confluentinc/cp-zookeeper:7.5.0	1->2181/tcp, [::]:2181->2181/tcp	zookeeper	"/etc/confluent/dock..."	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:218	

3. All Log files per service and combined also attached also attached in the git hub repo.

4. Requests showing usage of Spring security:

Base URL

`http://localhost:8765`

Public Endpoints (No Authentication Required)

Auth Service

`POST /auth-service/api/auth/signout`
`POST /auth-service/api/auth/signup`
`POST /auth-service/api/auth/signin`

Flight Service

`GET /flight-service/flight/` → Search flights by origin & destination (PUBLIC)

Protected Endpoints (Authentication Required)

Role: ADMIN Only

`POST /flight-service/flight/register`
`DELETE /flight-service/flight/delete/{id}`

Role: USER or ADMIN

Flight Service

```
GET /flight-service/flight/getFlightById/{id}
```

Passenger Service

```
POST /passenger-service/passenger/register  
GET /passenger-service/passenger/getByPassengerId/{id}  
GET /passenger-service/passenger/getPassengerIdByEmail/{email}  
DELETE /passenger-service/passenger/delete/{id}
```

Endpoint	Method	Access
/auth-service/api/auth/signup	POST	Public
/auth-service/api/auth/signin	POST	Public
/auth-service/api/auth/signout	POST	Public
/flight-service/flight/	GET	Public
/flight-service/flight/register	POST	Admin
/flight-service/flight/getFlightById/{id}	GET	User, Admin
/flight-service/flight/delete/{id}	DELETE	Admin
/passenger-service/passenger/register	POST	User, Admin
/passenger-service/passenger/getByPassengerId/{id}	GET	User, Admin
/passenger-service/passenger/getPassengerIdByEmail/{email}	GET	User, Admin
/passenger-service/passenger/delete/{id}	DELETE	User, Admin

Admin role: (all endpoints allowed)

Sign up

The screenshot shows the Postman interface for a POST request to `auth-service / sing up`. The request body is JSON, containing user registration data. The response is a 200 OK status with a message indicating successful registration.

Request URL: {{baseUrl}} /auth-service/api/auth/signup

Request Method: POST

Request Headers: (8)

Request Body: (JSON)

```
2 // "username": "asritha",
3 // "email": "asritha@example.com",
4 // "password": "password"
5 //
6 {
7   "username": "adminUser3",
8   "email": "admin3@gmail.com",
9   "password": "password",
10  "roles": ["admin"]
11 }
```

Response Status: 200 OK

Response Body: (JSON)

```
1 {
2   "message": "User registered successfully!"
3 }
```

Sign in

The screenshot shows the Postman interface for a 'Sign in' request. The URL is `HTTP auth-service / sign in`. The method is `POST` to `{{baseUrl}}/auth-service/api/auth/signin`. The body is set to `raw JSON` with the following payload:

```
5 {  
6   "username": "adminUser3",  
7   "password": "password"  
8 }  
9
```

The response status is `200 OK` with a response time of `248 ms` and a size of `753 B`. The response body is:

```
1 {  
2   "id": 1,  
3   "username": "adminUser3",  
4   "email": "admin3@gmail.com",  
5   "roles": [  
6     "ROLE_ADMIN"  
7   ]  
8 }
```

Cookies

Cookies

X

Manage Cookies Sync Cookies

Type a domain name

Add domain

localhost 1 cookie

asrithaCookie X + Add Cookie

asrithaCookie=eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbVzZXIzIiwicm9sZXMiOlsiuK9MRV9BRE1JTiJdLCJpYXQiOjE3NjUxNzYwNDYsImV4cCI6MTc2NTE3NjM0Nn0.8k9JlwCMpRQpbYyZr7h-WbRgz-zXbbL07sLBv50Jc9k; Path=/; HttpOnly;
Expires=Mon, 08 Dec 2025 06:45:47 GMT;

Cancel

Save

Registering flights

The screenshot shows a REST API testing interface with the following details:

- Method:** POST
- URL:** {{baseUrl}} /flight-service/flight/register
- Body Type:** raw (JSON selected)
- Body Content:**

```
1 {
2   "airline": "INDIGO",
3   "origin": "Hyderabad",
4   "destination": "Bangalore",
5   "price": 4000,
6   "departureTime": "2025-12-11T10:30:00",
7   "arrivalTime": "2025-12-11T12:00:00"
8 }
9 // {
10 //   "airline": "EMIRATES",
11 //   "origin": "Goa",
12 // }
```

- Response Status:** 201 Created
- Response Time:** 98 ms
- Response Size:** 322 B
- Headers:** (10) - This includes the Content-Type: application/json header.
- Body View:** JSON (selected), Preview, Visualize

If we remove cookie manually

HTTP flight-service / registering flights

POST <{{baseUrl}}/flight-service/flight/register> Send

Docs Params Authorization Headers (8) Body Scripts Settings Cookies

Body (none) form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
1 {
2   "airline": "INDIGO",
3   "origin": "Hyderabad",
4   "destination": "Bangalore",
5   "price": 4000,
6   "departureTime": "2025-12-11T10:30:00",
7   "arrivalTime": "2025-12-11T12:00:00"
8 }
```

Body Cookies Headers (9) Test Results 401 Unauthorized 73 ms 287 B Save Response

Raw Preview Debug with AI

1

User role(cant add flights to inventory)

Sign up

HTTP auth-service / sing up

POST <{{baseUrl}}/auth-service/api/auth/signup> Send

Docs Params Authorization Headers (9) Body Scripts Settings Cookies

Body (none) form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
1 {
2   "username": "asritha",
3   "email": "asritha@example.com",
4   "password": "password",
5   "roles": ["user"]
6 }
```

Body Cookies (1) Headers (13) Test Results 200 OK 170 ms 448 B Save Response

JSON Preview Visualize

```
1 {
2   "message": "User registered successfully!"
3 }
```

HTTP auth-service / sign in

Save Share

POST {{baseUrl}}/auth-service/api/auth/signin Send

Docs Params Authorization Headers (10) Body Scripts Settings Cool

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Bea

```
1 {
2   "username": "asritha",
3   "password": "password"
4 }
5 // {
6 //   "username": "asritha",
7 //   "password": "password"
8 }
```

Body Cookies (1) Headers (14) Test Results 200 OK 111 ms 747 B Save Response

{ } JSON Preview Visualize

```
1 {
2   "id": 2,
3   "username": "asritha",
4   "email": "asritha@example.com",
5   "roles": [
6     "ROLE_USER"
7   ]
8 }
```

Registering flights is forbidden for user role

HTTP flight-service / registering flights

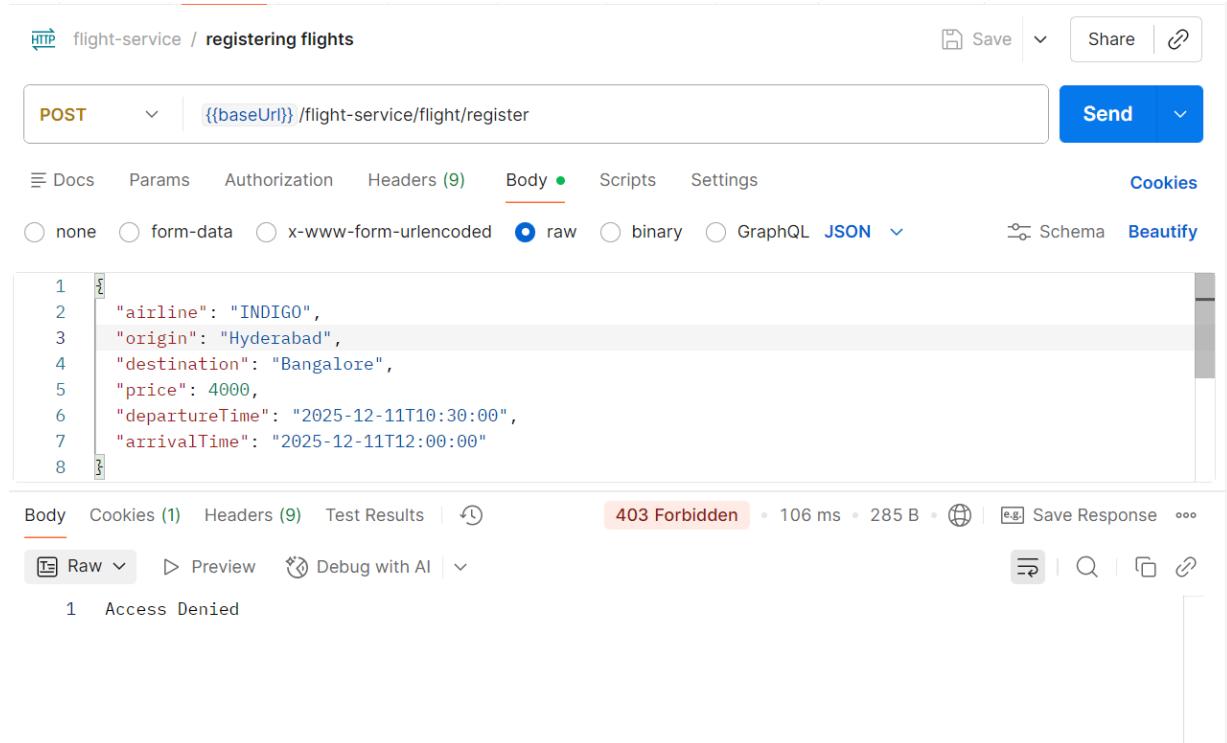
POST [{{baseUrl}}/flight-service/flight/register](#)

Body raw

```
1 {
2   "airline": "INDIGO",
3   "origin": "Hyderabad",
4   "destination": "Bangalore",
5   "price": 4000,
6   "departureTime": "2025-12-11T10:30:00",
7   "arrivalTime": "2025-12-11T12:00:00"
8 }
```

403 Forbidden • 106 ms • 285 B • [Save Response](#)

1 Access Denied



Ticket booking: allowed by admin/user anyone

HTTP ticket service / booking ticket

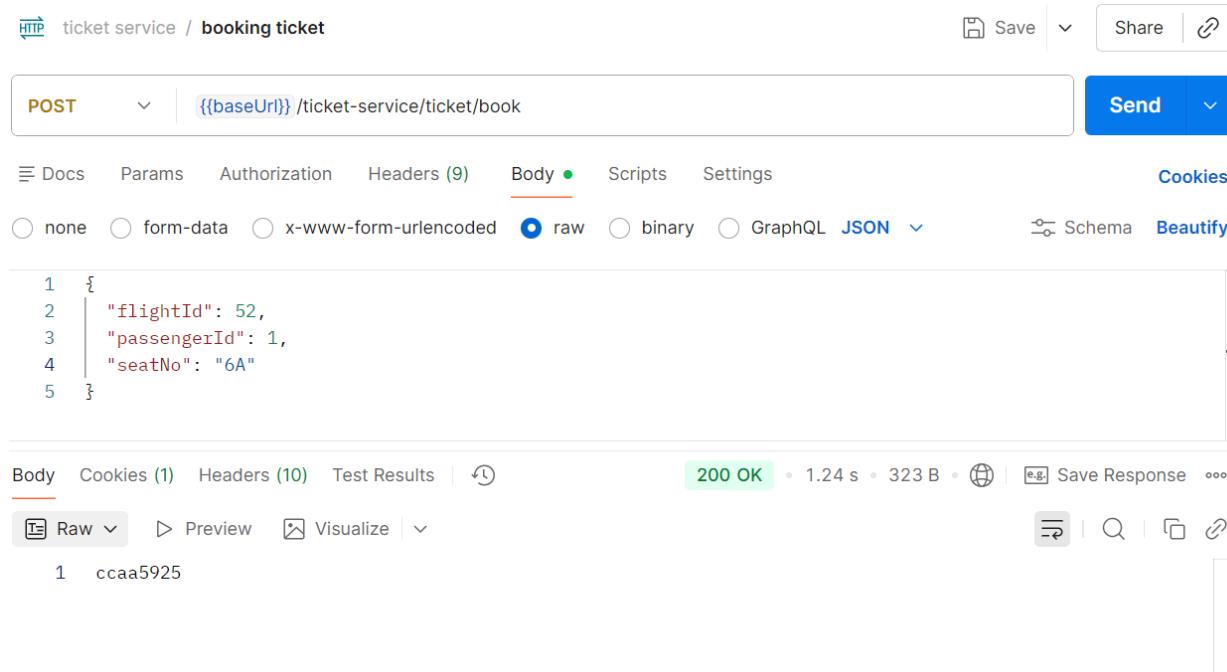
POST [{{baseUrl}}/ticket-service/ticket/book](#)

Body raw

```
1 {
2   "flightId": 52,
3   "passengerId": 1,
4   "seatNo": "6A"
5 }
```

200 OK • 1.24 s • 323 B • [Save Response](#)

1 ccaa5925



Booking ticket message received by kafka

```
[email-service] 2025-12-07T17:19:47.100Z INFO 1 --- [email-service] [ntainer#0-0-C-1] o.s.k.l.KafkaMessageListenerContainer : email-group: partitions assigned: [ticket-confirmation-0]
[email-service] 2025-12-07T17:27:27.990Z INFO 1 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener : Email-service received: Ticket booked for passengerId=1, flightId=52, pnr=ccaa5925
```

The screenshot shows a POST request to `http://{{baseUrl}}/auth-service/api/auth/signout`. The request body is empty. The response is a 200 OK status with a response time of 38 ms and a size of 538 B. The response body is a JSON object with a single key "message": "You've been signed out!".

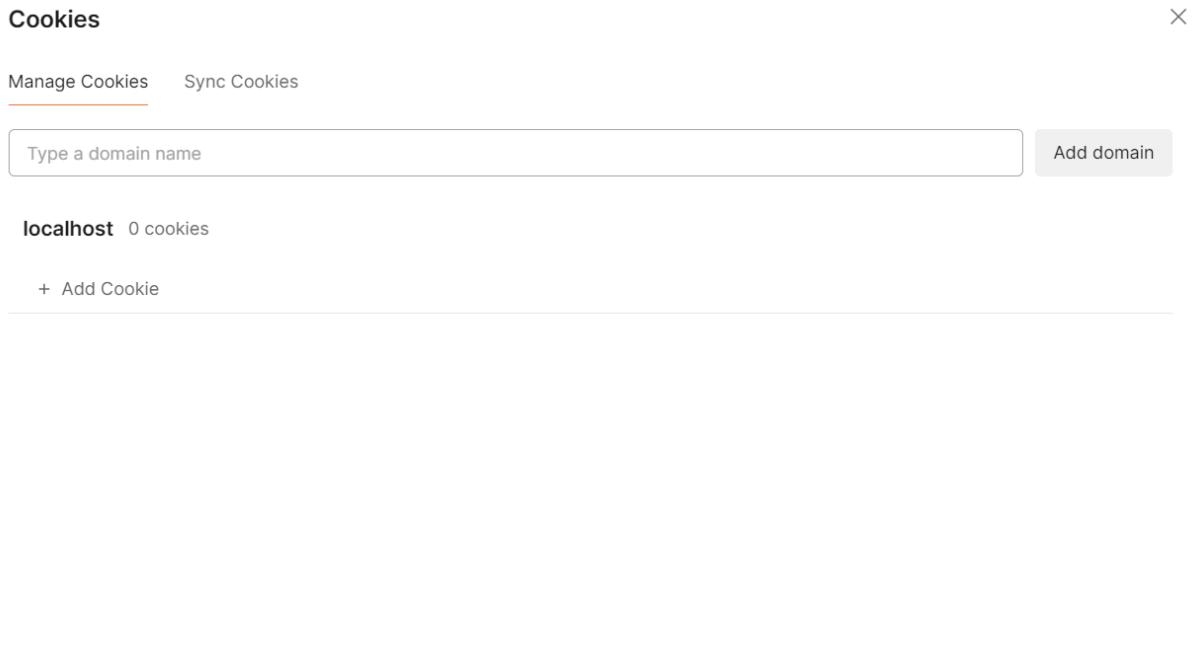
Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies Headers (14) Test Results ⏪ 200 OK • 38 ms • 538 B • Save Response ⋮

{ } JSON ▾ ▶ Preview ⏷ Visualize ▾

```
1 {
2   "message": "You've been signed out!"
3 }
```

Cookie cleared automatically after sign out.



Docker compose yml file:

```
version: '3.8'

networks:
  app-net:
    driver: bridge

services:
  eureka-server:
    build: ./service-registry
    container_name: eureka-server
    ports:
```

```
- "8761:8761"

healthcheck:
  test: ["CMD", "curl", "-f", "http://localhost:8761/actuator/health"]
  interval: 10s
  timeout: 5s
  retries: 10

networks:
  - app-net

api-gateway:
  build: ./api-gateway
  container_name: api-gateway
  ports:
    - "8765:8765"
  depends_on:
    eureka-server:
      condition: service_healthy
  healthcheck:
    test: ["CMD-SHELL", "echo 'HEALTH'"]
    interval: 10s
    timeout: 5s
    retries: 10
    start_period: 60s
  networks:
    - app-net

config-server:
  build: ./ConfigServer
  container_name: config-server
  ports:
    - "8888:8888"
  depends_on:
    eureka-server:
      condition: service_healthy
  healthcheck:
    test: ["CMD", "curl", "-f", "http://localhost:8888/actuator/health"]
    interval: 10s
    timeout: 5s
    retries: 10
  networks:
```

```
- app-net

mysql-db:
  image: mysql:8
  container_name: mysql-db
  environment:
    MYSQL_ROOT_PASSWORD: yourpassword
  ports:
    - "3306:3306"
  volumes:
    - ./auth-service/mysql-init:/docker-entrypoint-initdb.d
  healthcheck:
    test: ["CMD", "mysqladmin", "ping", "-h", "localhost",
"-pyourpassword"]
    interval: 10s
    timeout: 5s
    retries: 10
  networks:
    - app-net

auth-service:
  build: ./auth-service
  container_name: auth-service
  ports:
    - "8085:8085"
  depends_on:
    eureka-server:
      condition: service_healthy
    mysql-db:
      condition: service_healthy
  healthcheck:
    test: ["CMD-SHELL", "nc -z localhost 8085 || exit 1"]
    interval: 10s
    timeout: 5s
    retries: 10
    start_period: 120s
  networks:
    - app-net

postgres-db:
```

```
image: postgres:16
container_name: postgres-db
environment:
  POSTGRES_DB: passengerDB
  POSTGRES_USER: postgres
  POSTGRES_PASSWORD: password
ports:
  - "5433:5432"
volumes:
  - postgres-db-data:/var/lib/postgresql/data
healthcheck:
  test: ["CMD", "pg_isready", "-U", "postgres"]
  interval: 10s
  timeout: 5s
  retries: 10
networks:
  - app-net

passenger-service:
  build: ./passenger-service
  container_name: passenger-service
  ports:
    - "9001:9001"
  depends_on:
    eureka-server:
      condition: service_healthy
    config-server:
      condition: service_healthy
    postgres-db:
      condition: service_healthy
  healthcheck:
    test: ["CMD", "curl", "-f", "http://localhost:9001/actuator/health"]
    interval: 10s
    timeout: 5s
    retries: 10
  networks:
    - app-net

postgres-flight:
  image: postgres:16
```

```
container_name: postgres-flight
environment:
  POSTGRES_DB: flightDB
  POSTGRES_USER: postgres
  POSTGRES_PASSWORD: password
ports:
  - "5434:5432"
volumes:
  - postgres-flight-data:/var/lib/postgresql/data
healthcheck:
  test: ["CMD", "pg_isready", "-U", "postgres"]
  interval: 10s
  timeout: 5s
  retries: 10
networks:
  - app-net

flight-service:
  build: ./flight-service
  container_name: flight-service
  ports:
    - "9002:9002"
  depends_on:
    eureka-server:
      condition: service_healthy
    config-server:
      condition: service_healthy
    postgres-flight:
      condition: service_healthy
  healthcheck:
    test: ["CMD", "curl", "-f", "http://localhost:9002/actuator/health"]
    interval: 10s
    timeout: 5s
    retries: 10
  networks:
    - app-net

zookeeper:
  image: confluentinc/cp-zookeeper:7.5.0
  container_name: zookeeper
```

```

environment:
  ZOOKEEPER_CLIENT_PORT: 2181
  ZOOKEEPER_TICK_TIME: 2000
ports:
  - "2181:2181"
healthcheck:
  test: ["CMD", "bash", "-c", "echo ruok | nc -w 2 localhost 2181 >/dev/null 2>&1 || exit 1"]
    interval: 10s
    timeout: 5s
    retries: 10
networks:
  - app-net

kafka:
  image: confluentinc/cp-kafka:7.5.0
  container_name: kafka
  depends_on:
    zookeeper:
      condition: service_healthy
  ports:
    - "9092:9092"
  environment:
    KAFKA_BROKER_ID: 1
    KAFKA_ZOOKEEPER_CONNECT: zookeeper:2181
    KAFKA_LISTENERS: INTERNAL://kafka:29092,EXTERNAL://0.0.0.0:9092
    KAFKA_ADVERTISED_LISTENERS:
      INTERNAL://kafka:29092,EXTERNAL://localhost:9092
    KAFKA_LISTENER_SECURITY_PROTOCOL_MAP:
      INTERNAL:PLAINTEXT,EXTERNAL:PLAINTEXT
    KAFKA_INTER_BROKER_LISTENER_NAME: INTERNAL
    KAFKA_OFFSETS_TOPIC_REPLICATION_FACTOR: 1
  healthcheck:
    test: ["CMD", "bash", "-c", "nc -z kafka 29092 || nc -z kafka 9092 || exit 1"]
      interval: 10s
      timeout: 5s
      retries: 10
  networks:
    - app-net

```

```
postgres-ticket:
  image: postgres:16
  container_name: postgres-ticket
  environment:
    POSTGRES_DB: ticketDB
    POSTGRES_USER: postgres
    POSTGRES_PASSWORD: password
  ports:
    - "5435:5432"
  volumes:
    - postgres-ticket-data:/var/lib/postgresql/data
  healthcheck:
    test: ["CMD", "pg_isready", "-U", "postgres"]
    interval: 10s
    timeout: 5s
    retries: 10
  networks:
    - app-net

ticket-service:
  build: ./ticket-service
  container_name: ticket-service
  ports:
    - "9003:9003"
  depends_on:
    eureka-server:
      condition: service_healthy
    config-server:
      condition: service_healthy
    zookeeper:
      condition: service_healthy
    kafka:
      condition: service_healthy
  postgres-ticket:
    condition: service_healthy
  healthcheck:
    test: ["CMD", "curl", "-f", "http://localhost:9003/actuator/health"]
    interval: 10s
    timeout: 5s
```

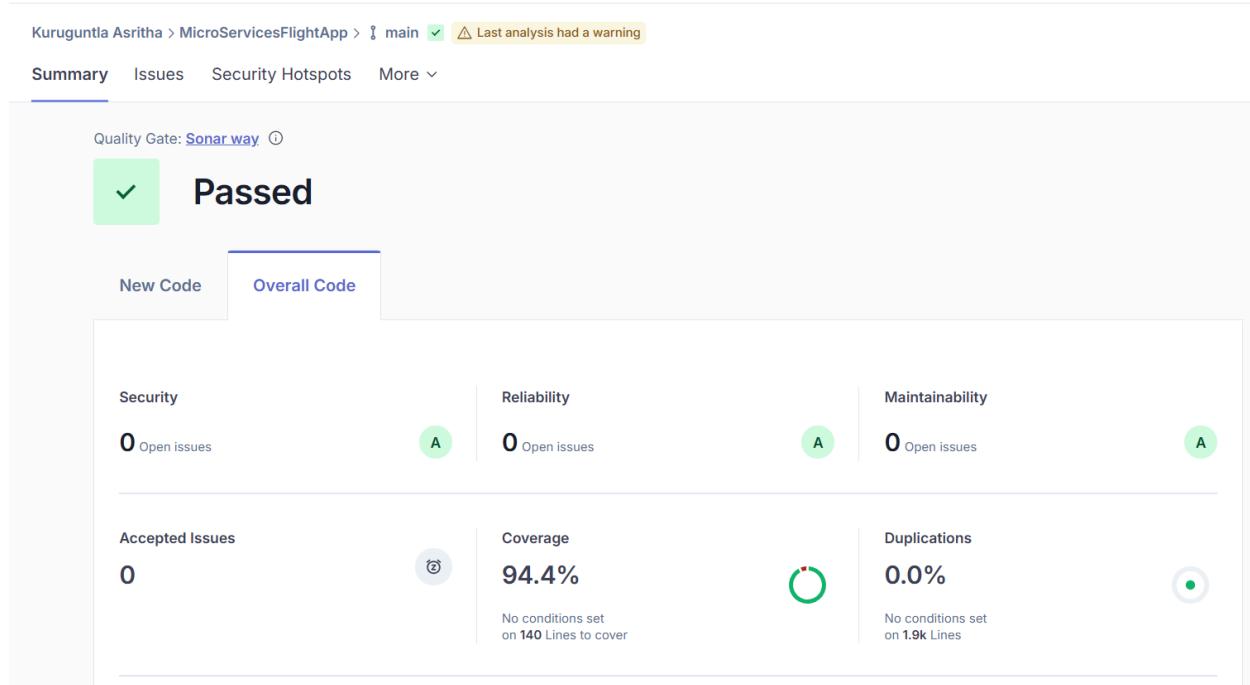
```
    retries: 10
networks:
  - app-net

email-service:
  build: ./email-service
  container_name: email-service
  ports:
    - "9005:9005"
  depends_on:
    eureka-server:
      condition: service_healthy
    config-server:
      condition: service_healthy
    zookeeper:
      condition: service_healthy
    kafka:
      condition: service_healthy
  healthcheck:
    test: ["CMD-SHELL", "nc -z localhost 9005 || exit 1"]
    interval: 10s
    timeout: 5s
    retries: 10
    start_period: 120s
  networks:
    - app-net

volumes:
  postgres-db-data:
  postgres-flight-data:
  postgres-ticket-data:
  mysql-db-data:
```

Reports of Sonar qube, Jmeter

Sonar Qube Analysis:



Kuruguntla Asritha > MicroServicesFlightApp > main   Last analysis had a warning

Summary Issues Security Hotspots More ▾

Filters

Select issues for bulk actions

Change Select issues ▾ ▲ Navigate to issue ⏪ ⏩

0 issues 0 effort

No Issues. Hooray!

Software quality

- Security: 0
- Reliability: 0
- Maintainability: 0

Severity ⓘ

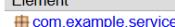
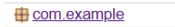
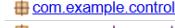
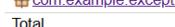
- Blocker: 0
- High: 0
- Medium: 0
- Low: 0
- Info: 0

Code attribute

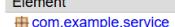
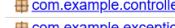
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Jacoco Reports

 **passenger-service**

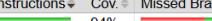
Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.example.service	 88%	n/a	0	8	2	20	0	8	0	1	0	1
com.example	 100%	n/a	0	3	0	10	0	3	0	1	0	1
com.example.controller	 100%	n/a	0	5	0	5	0	5	0	1	0	1
com.example.exception	 100%	n/a	0	1	0	2	0	1	0	0	0	1
Total	14 of 199	92%	0 of 0	n/a	0	17	2	37	0	17	0	4

 **flight-service**

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.example.service	 100%	n/a	0	7	0	15	0	7	0	1	0	1
com.example	 100%	n/a	0	3	0	10	0	3	0	1	0	1
com.example.controller	 100%	n/a	0	5	0	5	0	5	0	1	0	1
com.example.exception	 100%	n/a	0	1	0	2	0	1	0	0	0	1
Total	0 of 172	100%	0 of 0	n/a	0	16	0	32	0	16	0	4

 ticket-service

ticket-service

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
 com.example.service	 94%	 50%	2	9	1	30	1	8	0	1	0	1
 com.example	 100%		n/a		0	3	0	10	0	3	0	1
 com.example.controller	 100%		n/a		0	4	0	4	0	4	0	1
 com.example.exception	 100%		n/a		0	1	0	2	0	1	0	1
Total	10 of 252	96%	1 of 2	50%	2	17	1	46	1	16	0	4

Kafka:

```
2025-12-01T15:13:43.402+05:30  INFO 17908 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener : ? Email-service received: Ticket booked for passengerId=53, flightId=1, pnr=0c92d8ab
```

Messages logged when ticket booked

Jmeter:

FlightService:

10 threads

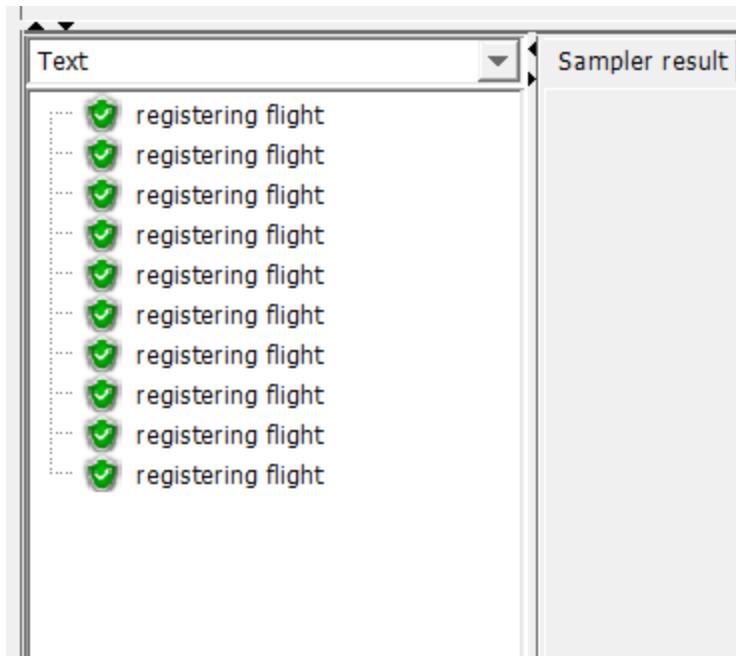
Getting by flight id:

Summary Report										
Name:	Summary Report									
Comments:										
Write results to file / Read from file										
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
getting by flight id	20	34	15	112	29.55	0.00%	4.7/sec	1.37	0.71	296.0
TOTAL	20	34	15	112	29.55	0.00%	4.7/sec	1.37	0.71	296.0

- ... getting by flight id

Registering a flight:(post request)

Summary Report										
Name:	Summary Report									
Comments:										
Write results to file / Read from file										
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	10	30	19	54	9.78	0.00%	10.6/sec	1.38	3.96	133.0
TOTAL	10	30	19	54	9.78	0.00%	10.6/sec	1.38	3.96	133.0



50 threads:

Get request

Summary Report											
Name:	Summary Report										
Comments:											
Write results to file / Read from file	<input type="checkbox"/>										
Filename	<input type="text"/>										
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes	
getting by flight id	50	23	14	45	6.31	0.00%	50.3/sec	14.56	9.09	296.3	
TOTAL	50	23	14	45	6.31	0.00%	50.3/sec	14.56	9.09	296.3	

Post request:

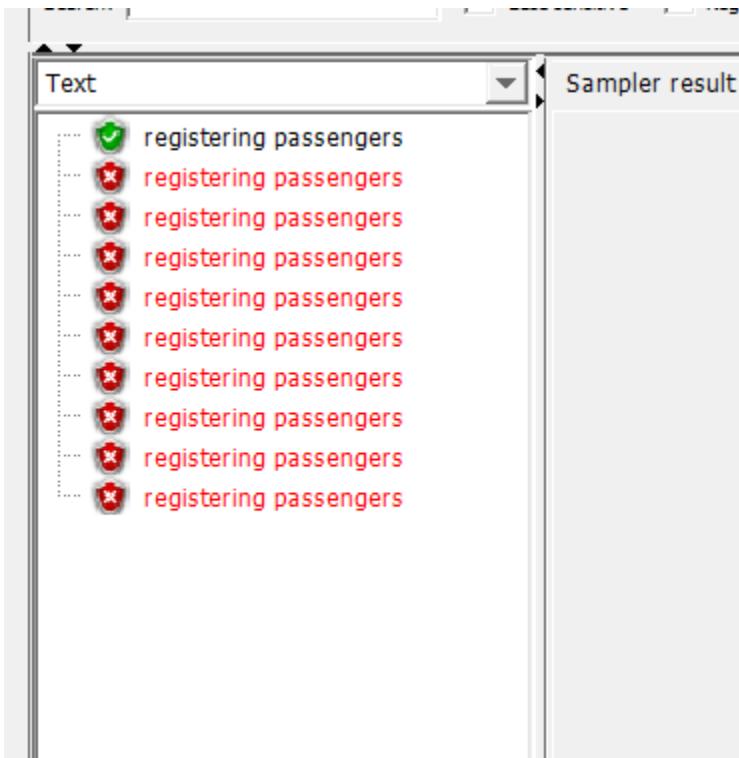
Summary Report											
Name:	Summary Report										
Comments:											
Write results to file / Read from file	<input type="checkbox"/>										
Filename	<input type="text"/>										
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes	
registering flight	50	26	14	49	8.15	0.00%	51.3/sec	6.68	19.18	133.5	
TOTAL	50	26	14	49	8.15	0.00%	51.3/sec	6.68	19.18	133.5	

Passenger Service:

10 threads

Registering a passenger

Summary Report										
Name:		Summary Report								
Comments:										
Write results to file / Read from file										
Filename		<input type="button" value="Browse..."/> Log/Display Only: <input type="checkbox"/> Errors <input type="checkbox"/> Successes <input type="button" value="Configure"/>								
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
registering passen...	10	129	34	391	117.17	90.00%	10.7/sec	2.63	3.85	251.8
TOTAL	10	129	34	391	117.17	90.00%	10.7/sec	2.63	3.85	251.8



50 threads:

Summary Report										
Name:		Summary Report								
Comments:										
Write results to file / Read from file										
Filename		<input type="button" value="Browse..."/> Log/Display Only: <input type="checkbox"/> Errors <input type="checkbox"/> Successes <input type="button" value="Configure"/>								
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
registering passen...	50	59	34	181	31.87	98.00%	48.6/sec	12.46	17.38	262.4
TOTAL	50	59	34	181	31.87	98.00%	48.6/sec	12.46	17.38	262.4

Text

registering passengers

Ticket service:

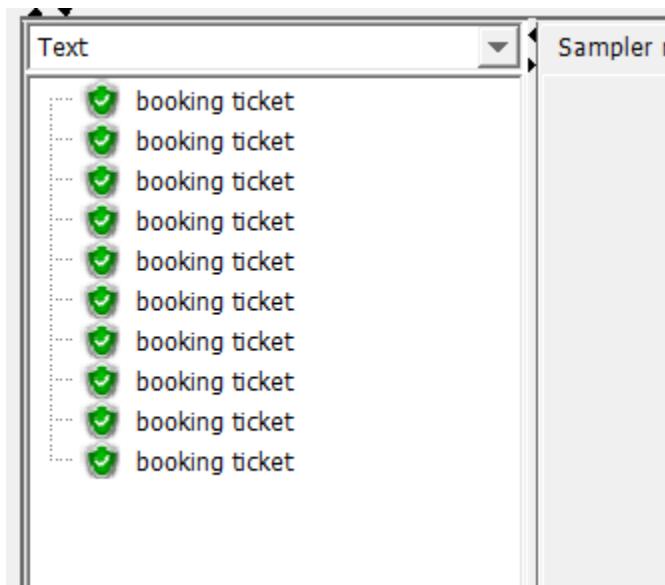
10 threads

Booking ticket

Summary Report											
Name:	Summary Report										
Comments:											
<input type="checkbox"/> Write results to file / Read from file											
Filename							Browse...	Log/Display Only:	<input type="checkbox"/> Errors	<input type="checkbox"/> Successes	<input type="checkbox"/> Configure
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes	
booking ticket	10	30	15	109	26.61	0.00%	10.9/sec	1.31	2.76	123.0	
TOTAL	10	30	15	109	26.61	0.00%	10.9/sec	1.31	2.76	123.0	

Kafka email-service

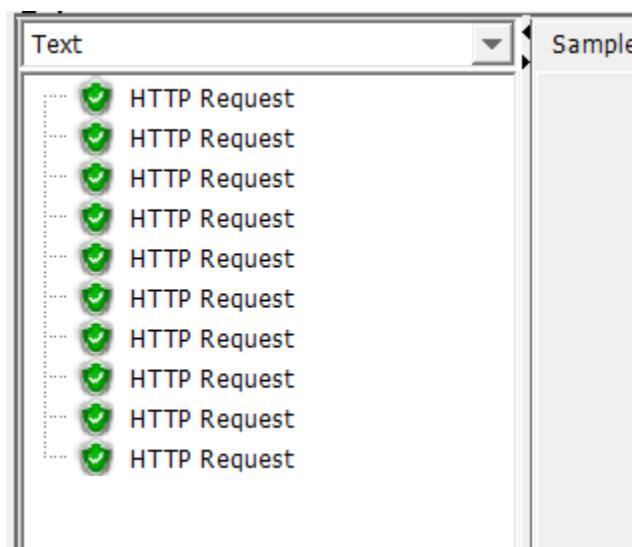
```
-group=1, groupId=email-group] Node -1 disconnected.
2025-12-01T15:42:07.587+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=5381d9d2 : ? Email-service received: Ticket
2025-12-01T15:42:07.651+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=8fbdb768c : ? Email-service received: Ticket
2025-12-01T15:42:07.653+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=9d1d1ad3 : ? Email-service received: Ticket
2025-12-01T15:42:07.666+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=5d6b3fc : ? Email-service received: Ticket
2025-12-01T15:42:07.728+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=380e342b : ? Email-service received: Ticket
2025-12-01T15:42:07.831+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=98fc235 : ? Email-service received: Ticket
2025-12-01T15:42:07.925+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=5c10b4b7 : ? Email-service received: Ticket
2025-12-01T15:42:08.023+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=49d2f0ba : ? Email-service received: Ticket
2025-12-01T15:42:08.124+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=6f7d8339 : ? Email-service received: Ticket
2025-12-01T15:42:08.216+05:30 INFO 24064 --- [email-service] [ntainer#0-0-C-1] c.example.demo.listener.EmailListener booked for passengerId=53, flightId=1, pnr=ebcf5a39 : ? Email-service received: Ticket
```



Get request:

Get by pnr

Summary Report										
Name: <input type="text" value="Summary Report"/> Comments: <input type="text"/> <input type="checkbox"/> Write results to file / Read from file Filename <input type="text"/>										
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	10	49	41	58	6.10	0.00%	10.6/sec	3.21	1.93	311.0
TOTAL	10	49	41	58	6.10	0.00%	10.6/sec	3.21	1.93	311.0



50 threads:
Post request

Summary Report										
Name: <input type="text" value="Summary Report"/> Comments: <input type="text"/> <input type="checkbox"/> Write results to file / Read from file Filename <input type="text"/>										
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
booking ticket	50	32	13	119	21.73	0.00%	49.3/sec	5.92	12.41	123.0
TOTAL	50	32	13	119	21.73	0.00%	49.3/sec	5.92	12.41	123.0

Get request:

Summary Report

Name:

Comments:

Write results to file / Read from file
 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	88	37	241	51.29	0.00%	47.8/sec	14.53	8.74	311.0
TOTAL	50	88	37	241	51.29	0.00%	47.8/sec	14.53	8.74	311.0