

After launching all microservices with Docker Compose

Docker compose up

Eureka:

localhost:8761/

The screenshot shows the Eureka web interface in a browser window. The address bar displays 'localhost:8761'. The interface includes a table for 'Renews' metrics, a 'DS Replicas' section with a search bar containing 'localhost', and a table titled 'Instances currently registered with Eureka'. This table lists five applications: API-GATEWAY-FLIGHTBOOKING, AUTH-SERVICE-FLIGHTBOOKING, BOOKING-SERVICE-FLIGHTBOOKING, CONFIG-SERVER-FLIGHTBOOKING, and FLIGHT-SERVICE-FLIGHTBOOKING, each with details on AMIs, Availability Zones, and Status. At the bottom, a 'General Info' section provides system metrics like total-avail-memory and num-of-cpus.

Renews threshold	10
Renews (last min)	8

DS Replicas

[localhost](#)

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 44db5d118cc3:api-gateway-flightbooking:8084
AUTH-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - a1c350f903de:auth-service-flightbooking:8083
BOOKING-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 82ee972750a3:booking-service-flightbooking:8082
CONFIG-SERVER-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 177b79a872c8:config-server-flightbooking:8888
FLIGHT-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - ffdecbe05547:flight-service-flightbooking:8081

General Info

Name	Value
total-avail-memory	83mb
num-of-cpus	16

Postman API Testing

Via API GATEWAY

Register:

Role-ADMIN

Status-201 Created

The screenshot shows a Postman interface for a POST request to `http://localhost:8084/api/auth/register`. The request body is a JSON object with the following fields: `username` (admin3), `email` (admin3@gmail.com), `password` (admin3), and `roles` (ADMIN). The response is a 201 Created status with a message: "User registered successfully".

```
1 {
2   "username": "admin3",
3   "email": "admin3@gmail.com",
4   "password": "admin3",
5   "roles": ["ADMIN"]
6 }
7
```

Body Cookies Headers (12) Test Results 201 Created • 534 ms • 422 B Save Response

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

Login :

Token is generated

The screenshot shows a Postman interface for a POST request to `http://localhost:8084/api/auth/login`. The request body is a JSON object with the following fields: `email` (admin@gmail.com) and `password` (admin123). The response is a 200 OK status with a token and user information.

```
1 {
2   "email": "admin@gmail.com",
3   "password": "admin123"
4 }
```

Body Cookies Headers (12) Test Results 200 OK • 417 ms • 643 B Save Response

```
1 {
2   "token": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbkBNbWVpbC5jb20iLCJ1c2VybmFtZSI6ImFkbWluIiwicm9sZXMiOiJQUkNSU4iXSwiaWF0IjoxNzY1MTg1MDU1LCJleHAiOiJlE3NjUyNzE0NTV9.A-0KLtZXA2Viz8NHVz0WczzzKbsk0csnQrYKa6McZRo",
3   "username": "admin",
4   "email": "admin@gmail.com",
5   "roles": [
6     "ADMIN"
7   ]
8 }
```

flightApp-microservices-security-docker

Add Flights:

Accessible only to Admin

The screenshot shows a Postman interface for a POST request to `http://localhost:8084/api/flight/airline/inventory/add`. The request body is a JSON object representing a flight. The response is a 201 Created status with a 574 ms response time and 145 B of data. The response body is a long alphanumeric string.

```
1 {
2   "airlineName": "Indigo",
3   "flightNumber": "6E489",
4   "totalSeats": 180,
5   "priceOneWay": 5500,
6   "departureTime": "2026-12-10T09:30:00",
7   "arrivalTime": "2026-12-10T11:00:00",
8   "fromPlace": "Hyderabad",
9   "toPlace": "Delhi",
10  "tripType": "ONE_WAY"
11 }
12
```

Body Cookies Headers (3) Test Results 201 Created • 574 ms • 145 B Save Response

Raw Preview Visualize

1 6936b838bd3af55106982049

Authorization is added in header

Token generated when admin login, is added here

The screenshot shows the same Postman interface as before, but with the 'Headers' tab selected. An 'Authorization' header has been added with the value 'Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIIOiJhZG1pb...'.

Key	Value	Description
<input checked="" type="checkbox"/> Content-Type	application/json	
<input checked="" type="checkbox"/> Content-Length	<calculated when request is sent>	
<input checked="" type="checkbox"/> Host	<calculated when request is sent>	
<input checked="" type="checkbox"/> User-Agent	PostmanRuntime/7.49.1	
<input checked="" type="checkbox"/> Accept	*/*	
<input checked="" type="checkbox"/> Accept-Encoding	gzip, deflate, br	
<input checked="" type="checkbox"/> Connection	keep-alive	
<input checked="" type="checkbox"/> Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIIOiJhZG1pb...	

Body Cookies Headers (3) Test Results 201 Created • 574 ms • 145 B Save Response

Raw Preview Visualize

1 6936b838bd3af55106982049

flightApp-microservices-security-docker

Search

Public – can be accessed by anyone

flightApp-Microservices-security / **search-public** Save Share

POST http://localhost:8084/api/flight/search Send

Docs Params Authorization Headers (8) Body Scripts Settings Cookies

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

```
1 {
2   "fromPlace": "Hyderabad",
3   "toPlace": "Bangalore",
4   "journeyDate": "2025-12-10",
5   "tripType": "ONE-WAY"
6 }
```

Body Cookies Headers (3) Test Results 200 OK 46 ms 384 B Save Response

{ JSON Preview Visualize

```
1 [
2   {
3     "flightId": "6930cbd877157c2d5b251bf5",
4     "departureTime": "2025-12-10T10:00:00",
5     "arrivalTime": "2025-12-10T12:00:00",
6     "airlineName": "Indigo",
7     "priceOneWay": 3500.0,
8     "priceRoundTrip": 0.0,
9     "tripType": "ONE-WAY",
10    "availableSeats": 110
11  }
```

Register

Role-user

Status-201 Created

flightApp-Microservices-security / **register-user** Save Share

POST http://localhost:8084/api/auth/register Send

Docs Params Authorization Headers (8) Body Scripts Settings Cookies

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

```
1 {
2   "username": "user1234",
3   "email": "user1234@gmail.com",
4   "password": "user1234",
5   "roles": ["USER"]
6 }
```

Body Cookies Headers (12) Test Results 201 Created 106 ms 422 B Save Response

{ JSON Preview Visualize

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

Login

Booking by using id:

The screenshot shows the REST Client interface with a POST request to `http://localhost:8084/api/booking/6936b838bd3af55106982049`. The request body is a JSON object:

```
{
  "customerName": "Shivani",
  "email": "shivani@gmail.com",
  "numberOfSeats": 2,
  "journeyDate": "2026-12-10",
  "seatNumbers": "12A,12B",
  "mealPreference": "VEG",
  "passengers": [
    { "name": "Sravya", "gender": "F", "age": 21 },
    { "name": "Anu", "gender": "F", "age": 22 }
  ]
}
```

The response is also shown in JSON format:

```
{
  "pnr": "ZAHUH85Z",
  "customerName": "Shivani",
  "email": "shivani@gmail.com",
  "fromPlace": "Hyderabad",
  "toPlace": "Delhi",
  "journeyDate": "2026-12-10",
  "numberOfSeats": 2,
  "seatNumbers": "12A,12B",
  "mealPreference": "VEG",
  "passengers": [
    { "name": "Sravya", "gender": "F", "age": 21 },
    { "name": "Anu", "gender": "F", "age": 22 }
  ]
}
```

flightApp-microservices-security-docker

Authorization is added in header

flightApp-Microservices-security / user-book by id

POST http://localhost:8084/api/booking/6936b838bd3af55106982049

Send

Docs Params Authorization Headers (9) Body Scripts Settings Cookies

Key	Value	Description
Content-Type	application/json	
Content-Length	<calculated when request is sent>	
Host	<calculated when request is sent>	
User-Agent	PostmanRuntime/7.49.1	
Accept	*/*	
Accept-Encoding	gzip, deflate, br	
Connection	keep-alive	
Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ1c2V5Q...	

Body Cookies Headers (3) Test Results 201 Created 366 ms 577 B Save Response

JSON Preview Visualize

```
1 {
2   "pnr": "ZAHUH85Z",
3   "customerName": "Shivani",
4   "email": "shivani@gmail.com",
5   "fromPlace": "Hyderabad",
6   "toPlace": "Delhi",
7   "journeyDate": "2026-12-10",
8   "departureTime": "2026-12-10T09:30:00",
9   "arrivalTime": "2026-12-10T11:00:00",
10  "airlineName": "Indigo",
11  "numberOfSeats": 2,
12  "seatNumbers": "12A,12B",
13  "mealPreference": "VEG",
14  "cancelled": false,
```

Get details by PNR:

flightApp-Microservices-security / user-get by pnr

GET http://localhost:8084/api/booking/ticket/ZAHUH85Z

Send

Docs Params Authorization Headers (7) Body Scripts Settings Cookies

Key	Value	Description
Accept-Encoding	gzip, deflate, br	
Connection	keep-alive	
Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ1c2V5Q...	

Body Cookies Headers (3) Test Results 200 OK 143 ms 568 B Save Response

JSON Preview Visualize

```
1 {
2   "pnr": "ZAHUH85Z",
3   "customerName": "Shivani",
4   "email": "shivani@gmail.com",
5   "fromPlace": "Hyderabad",
6   "toPlace": "Delhi",
7   "journeyDate": "2026-12-10",
8   "departureTime": "2026-12-10T09:30:00",
9   "arrivalTime": "2026-12-10T11:00:00",
10  "airlineName": "Indigo",
11  "numberOfSeats": 2,
12  "seatNumbers": "12A,12B",
13  "mealPreference": "VEG",
14  "cancelled": false,
```

flightApp-microservices-security-docker

Get history by email

flightApp-Microservices-security / history by email

GET <http://localhost:8084/api/booking/history/shivani@gmail.com> Send

Docs Params Authorization Headers (7) Body Scripts Settings Cookies

Accept-Encoding	gzip, deflate, br
Connection	keep-alive
Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ1c2VyQ...

Body Cookies Headers (4) Test Results 200 OK • 141 ms • 4.17 KB Save Response

JSON Preview Visualize

```
1 [
2   {
3     "pnr": "ZAHUH85Z",
4     "customerName": "Shivani",
5     "email": "shivani@gmail.com",
6     "fromPlace": "Hyderabad",
7     "toPlace": "Delhi",
8     "journeyDate": "2026-12-10",
9     "departureTime": "2026-12-10T09:30:00",
10    "arrivalTime": "2026-12-10T11:00:00",
11    "airlineName": "Indigo",
12    "numberOfSeats": 2,
13    "seatNumbers": "12A,12B",
14    "mealPreference": "VEG",
15    "cancelled": false,
16    "bookingTime": "2025-12-09T17:12:00.823"
```

Cancel ticket by using PNR

flightApp-Microservices-security / user-cancel

DELETE <http://localhost:8084/api/booking/cancel/ZAHUH85Z> Send

Docs Params Authorization Headers (7) Body Scripts Settings Cookies

Accept-Encoding	gzip, deflate, br	
Connection	keep-alive	
Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ1c2VyQ...	
Key	Value	Description

Body Cookies Headers (3) Test Results 200 OK • 60 ms • 145 B Save Response

Raw Preview Visualize

```
1 Ticket cancelled successfully
```

flightApp-microservices-security-docker

User trying to add flight

Fails

flightApp-Microservices-security / user trying to add flight-forbidden

POST

http://localhost:8084/api/flight/airline/inventory/add

Send

Docs

Params

Authorization

Headers (9)

Body

Scripts

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Schema

Beautify

1 {

2 "airlineName": "Indigo",

3 "flightNumber": "6E4891",

4 "totalSeats": 180,

5 "priceOneWay": 5500,

6 "departureTime": "2026-12-11T09:30:00",

7 "arrivalTime": "2026-12-11T11:00:00",

8 "fromPlace": "Hyderabad",

9 "toPlace": "Delhi",

10 "tripType": "ONE_WAY"

11 }

12 }

Body

Cookies

Headers (1)

Test Results

403 Forbidden

18 ms

45 B

Save Response

Raw

Preview

Debug with AI

1