flightApp-microservices-security-docker

After launching all microservices with Docker Compose

Docker compose up

Eureka:

localhost:8761/

flightApp-microservices-security-docker

Postman API Testing

Via API GATEWAY

Register:

Role-ADMIN

Status-201 Created

```
flightApp-Microservices-security / register-admin                Save    Share

POST    ∨    http://localhost:8084/api/auth/register                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    "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

{ } JSON ∨   ▷ Preview   Visualize ∨

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

Login :

Token is generated

```
flightApp-Microservices-security / login-admin                Save    Share

POST    ∨    http://localhost:8084/api/auth/login                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    "email": "admin@gmail.com",
3    "password": "admin123"
4  }

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

{ } JSON ∨   ▷ Preview   Visualize ∨

1  {
2      "token": "eyJhbGciOiJIUzI1NiJ9.
         eyJzdWIiOiJhZG1pbkBnbWFpbC5jb20iLCJ1c2VybmFtZSI6ImFkbWluIiwicm9sZXMiOlsiQURNSU4iXSwiaWF0IjoxNjY1MTg1M
         DU1LCJleHAiOjE3NjUyNzE0NTV9.A-0KLtZXA2VIz8NHVr0WczzzKbskOcsnQrYKa6McZRo",
3      "username": "admin",
4      "email": "admin@gmail.com",
5      "roles": [
6          "ADMIN"
7      ]
8  }
```

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Add Flights:

Accessible only to Admin

flightApp-Microservices-security / **add flight-admin**

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

Docs Params Authorization Headers (9) Body Scripts Settings

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

```
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

Raw   Preview   Visualize

1 6936b838bd3af55106982049

Authorization is added in header

Token generated when admin login, is added here

flightApp-Microservices-security / **add flight-admin**

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

Docs Params Authorization Headers (9) Body Scripts Settings

	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.eyJzdWIiOiJhZG1pb...	
	Key		Value	Description

Body Cookies Headers (3) Test Results   201 Created · 574 ms · 145 B

Raw   Preview   Visualize

1 6936b838bd3af55106982049

flightApp-microservices-security-docker

Search

Public – can be accessed by anyone

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

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  }
7
```

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
```

Register

Role-user

Status-201 Created

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

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  }
7
```

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

{} JSON ∨   Preview   Visualize

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

flightApp-microservices-security-docker

Login

flightApp-Microservices-security / **login-user**

Save | Share

POST | http://localhost:8084/api/auth/login | **Send**

Docs　Params　Authorization　Headers (9)　Body ●　Scripts　Settings

Cookies

○ none　○ form-data　○ x-www-form-urlencoded　● raw　○ binary　○ GraphQL　JSON

Schema　Beautify

```json
1  {
2    "email": "user@gmail.com",
3    "password": "user123"
4  }
```

Body　Cookies　Headers (12)　Test Results

200 OK · 315 ms · 636 B · Save Response

{} JSON　▷ Preview　Visualize

```json
1  {
2    "token": "eyJhbGciOiJIUzI1NiJ9.
        eyJzdWIiOiJ1c2VyQGdtYWlsLmNvbSIsInVzZXJuYW1lIjoidXNlciIsInJvbGVzIjpbIlVTRVIiXSwiaWF0IjoxNzY1MTkzMzk3L
        CJleHAiOjE3NjUyNzk3OTd9.8gxHxjORx7z74XriK1Pn6rsU14b3QlcYerD9SEhfWKg",
3    "username": "user",
4    "email": "user@gmail.com",
5    "roles": [
6      "USER"
7    ]
8  }
```

Booking by using id:

flightApp-Microservices-security / **user-book by id**

Save | Share

POST | http://localhost:8084/api/booking/6936b838bd3af55106982049 | **Send**

Docs　Params　Authorization　Headers (9)　Body ●　Scripts　Settings

Cookies

○ none　○ form-data　○ x-www-form-urlencoded　● raw　○ binary　○ GraphQL　JSON

Schema　Beautify

```json
1  {
2    "customerName": "Shivani",
3    "email": "shivani@gmail.com",
4    "numberOfSeats": 2,
5    "journeyDate": "2026-12-10",
6    "seatNumbers": "12A,12B",
7    "mealPreference": "VEG",
8    "passengers": [
9      { "name": "Sravya", "gender": "F", "age": 21 },
10     { "name": "Anu", "gender": "F", "age": 22 }
11   ]
12 }
```

Body　Cookies　Headers (3)　Test Results

201 Created · 366 ms · 577 B · Save Response

{} JSON　▷ Preview　Visualize

```json
1  {
2    "pnr": "ZAHUH85Z",
3    "customerName": "Shivani",
4    "email": "shivani@gmail.com",
5    "fromPlace": "Hyderabad",
6    "toPlace": "Delhi",
```

flightApp-microservices-security-docker

Authorization is added in header

flightApp-Microservices-security / **user-book by id**   Save   Share

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

Docs   Params   Authorization   **Headers (9)**   Body •   Scripts   Settings   Cookies

☑ 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.eyJzdWIiOiJ1c2VyQ...
   Key   Value   Description

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",

Get details by PNR:

flightApp-Microservices-security / **user-get by pnr**   Save   Share

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

Docs   Params   Authorization   **Headers (7)**   Body   Scripts   Settings   Cookies

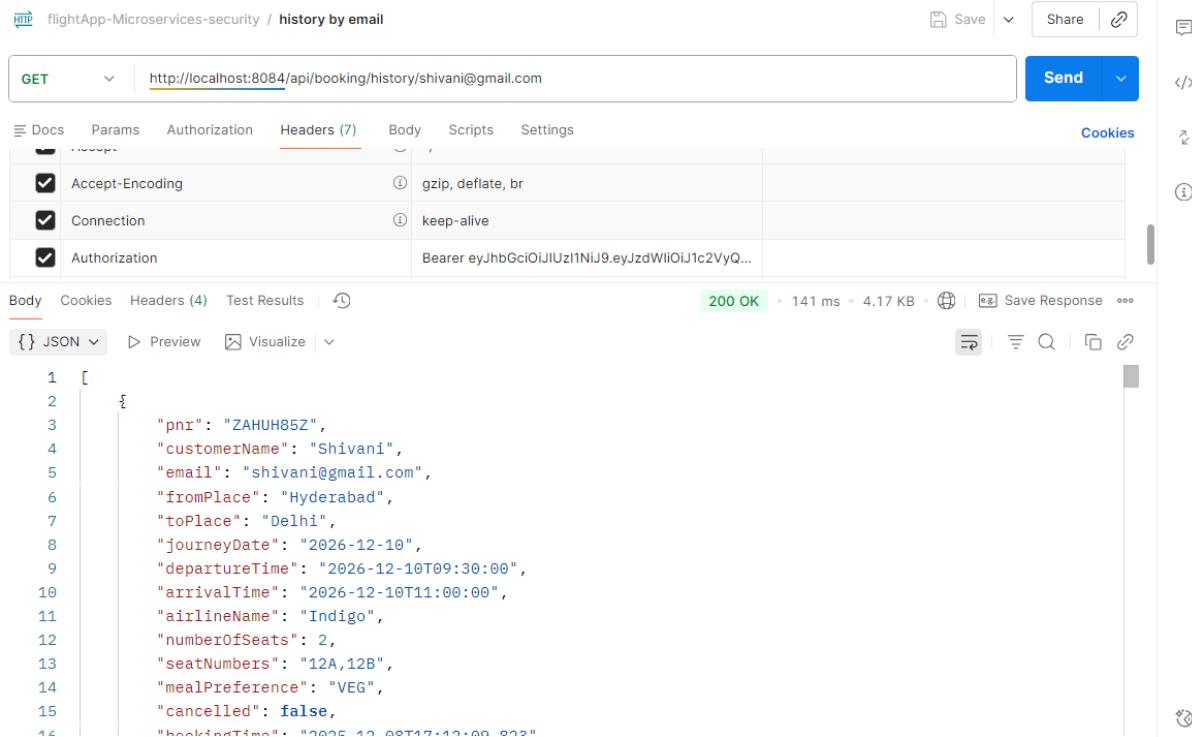☑ Accept-Encoding   ⓘ   gzip, deflate, br
☑ Connection   ⓘ   keep-alive
☑ Authorization   Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ1c2VyQ...
   Key   Value   Description

Body   Cookies   Headers (3)   Test Results   200 OK   •   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,

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Get history by email

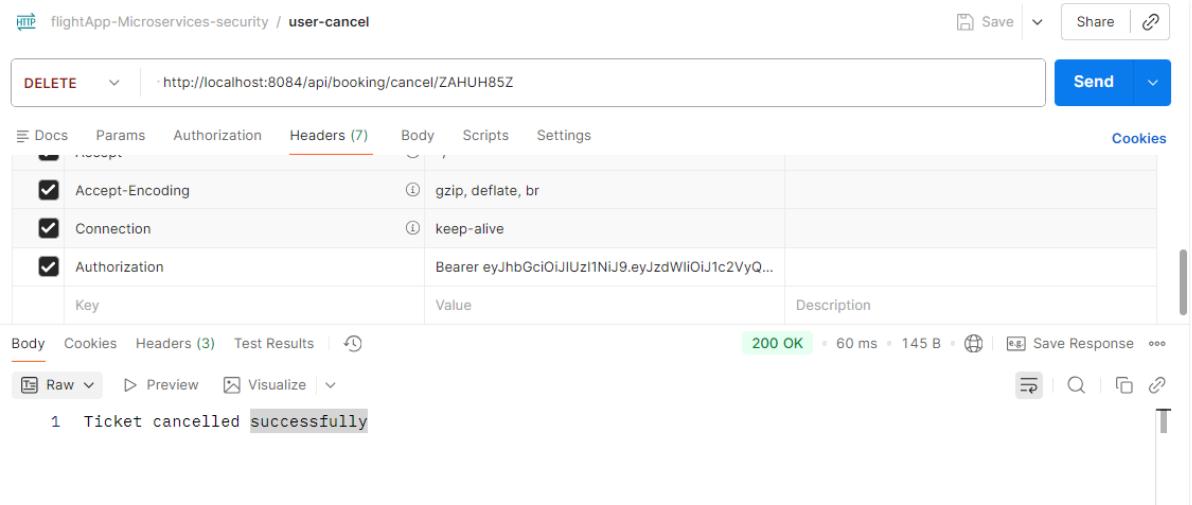flightApp-Microservices-security / **history by email**

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

Docs | Params | Authorization | Headers (7) | Body | Scripts | Settings

Save | Share | Cookies | Send

	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": "2025-12-08T17:12:09.823"
```

Cancel ticket by using PNR

flightApp-Microservices-security / **user-cancel**

DELETE http://localhost:8084/api/booking/cancel/ZAHUH85Z

Docs | Params | Authorization | Headers (7) | Body | Scripts | Settings

Save | Share | Cookies | Send

	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
```

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User trying to add flight

Fails