

Flightbooking using Micorservices

Eureka server :

<http://localhost:8761/>

localhost

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 10.70.0.104:api-gateway-flightbooking:8084
BOOKING-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 10.70.0.104:booking-service-flightbooking:8082
FLIGHT-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 10.70.0.104:flight-service-flightbooking:8081

General Info

Name	Value
total-avail-memory	100mb
num-of-cpus	16
current-memory-usage	84mb (83%)
server-uptime	00:18
registered-replicas	http://localhost:8761/eureka/
unavailable-replicas	http://localhost:8761/eureka/
available-replicas	

Instance Info

Name	Value
ipAddr	10.70.0.104
status	UP

Postman :

Using api gateway

Using mongoDb

Add inventory:

The screenshot shows a Postman interface for a 'flightApp-microservices' workspace. A new POST request is configured with the URL 'http://localhost:8084/api/v1.0/flight/airline/inventory/add'. The request body is in raw JSON format, containing flight details: airlineName 'Indigo', fromPlace 'Chennai', toPlace 'Bangalore', departureTime '2025-12-10T10:00:00', arrivalTime '2025-12-10T12:00:00', tripType 'ONE-WAY', priceOneWay 3500, priceRoundTrip 0, and totalSeats 120. The response status is '201 Created' with a 45 ms response time and 145 B body size. The response body is a raw string: '6930db8025b45b0fe4b8015d'.

```
1 {
2   "airlineName": "Indigo",
3   "fromPlace": "Chennai",
4   "toPlace": "Bangalore",
5   "departureTime": "2025-12-10T10:00:00",
6   "arrivalTime": "2025-12-10T12:00:00",
7   "tripType": "ONE-WAY",
8   "priceOneWay": 3500,
9   "priceRoundTrip": 0,
10  "totalSeats": 120
11 }
```

Body Cookies Headers (3) Test Results 201 Created • 45 ms • 145 B Save Response

Raw Preview Visualize

```
1 6930db8025b45b0fe4b8015d
```

Search flights:

The screenshot shows a Postman interface for a 'flightApp-microservices' workspace. A new POST request is configured with the URL 'http://localhost:8081/api/v1.0/flight/search'. The request body is in raw JSON format, containing search criteria: fromPlace 'Hyderabad', toPlace 'Bangalore', journeyDate '2025-12-10', and tripType 'ONE-WAY'. The response status is '200 OK' with an 81 ms response time and 432 B body size. The response body is a JSON array containing one flight object with details: flightId '6930cbd877157c2d5b251bf5', departureTime '2025-12-10T10:00:00', arrivalTime '2025-12-10T12:00:00', airlineName 'Indigo', priceOneWay 3500.0, priceRoundTrip 0.0, tripType 'ONE-WAY', availableSeats 120, fromPlace 'Hyderabad', and toPlace 'Bangalore'.

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

Body Cookies Headers (5) Test Results 200 OK • 81 ms • 432 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": 120,
11    "fromPlace": "Hyderabad",
12    "toPlace": "Bangalore"
13  }
14 ]
```

Get flight using id:

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/flight/6930db8025b45b0fe4b8015d

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (3)

Test Results

200 OK

21 ms

380 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "flightId": "6930db8025b45b0fe4b8015d",
3   "departureTime": "2025-12-10T10:00:00",
4   "arrivalTime": "2025-12-10T12:00:00",
5   "airlineName": "Indigo",
6   "priceOneWay": 3500.0,
7   "priceRoundTrip": 0.0,
8   "tripType": "ONE-WAY",
9   "availableSeats": 120,
10  "fromPlace": "Chennai",
11  "toPlace": "Bangalore"
12 }
```

Booking using id:

flightApp-microservices / New Request

POST

http://localhost:8084/api/v1.0/booking/6930db8025b45b0fe4b8015d

Send

Docs

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Schema

Beautify

JSON

Preview

Visualize

```
1 {
2   "customerName": "Sravya",
3   "email": "sravya@gmail.com",
4   "numberOfSeats": 2,
5   "journeyDate": "2025-12-10",
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

432 ms

577 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "pnr": "2FPISEYW",
3   "customerName": "Sravya",
4   "email": "sravya@gmail.com",
5   "fromPlace": "Chennai",
6   "toPlace": "Bangalore",
7   "journeyDate": "2025-12-10",
8   "departureTime": "2025-12-10T10:00:00",
9   "arrivalTime": "2025-12-10T12:00:00",
10  "priceOneWay": 3500.0,
11  "priceRoundTrip": 0.0,
12  "tripType": "ONE-WAY",
13  "availableSeats": 120,
14  "fromPlace": "Chennai",
15  "toPlace": "Bangalore"
16 }
```

Get ticket by pnr :

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/booking/ticket/2FPISEYW

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (3)

Test Results

200 OK • 51 ms • 568 B • Save Response

JSON

Preview

Visualize

1

{

2

"pnr": "2FPISEYW",

3

"customerName": "Sravya",

4

"email": "sravya@gmail.com",

5

"fromPlace": "Chennai",

6

"toPlace": "Bangalore",

7

"journeyDate": "2025-12-10",

8

"departureTime": "2025-12-10T10:00:00",

9

"arrivalTime": "2025-12-10T12:00:00",

10

"airlineName": "Indigo",

11

"numberOfSeats": 2,

12

"seatNumbers": "12A,12B",

13

"mealPreference": "VEG",

14

"cancelled": false,

Get history by email:

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/booking/history/sravya@gmail.com

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (4)

Test Results

200 OK • 30 ms • 614 B • Save Response

JSON

Preview

Visualize

1

[

2

{

3

"pnr": "2FPISEYW",

4

"customerName": "Sravya",

5

"email": "sravya@gmail.com",

6

"fromPlace": "Chennai",

7

"toPlace": "Bangalore",

8

"journeyDate": "2025-12-10",

9

"departureTime": "2025-12-10T10:00:00",

10

"arrivalTime": "2025-12-10T12:00:00",

11

"airlineName": "Indigo",

12

"numberOfSeats": 2,

13

"seatNumbers": "12A,12B",

14

"mealPreference": "VEG",

15

"cancelled": false,

Cancle by pnr:

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/flight/6930db8025b45b0fe4b8015d

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (3)

Test Results

200 OK

14 ms

380 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "flightId": "6930db8025b45b0fe4b8015d",
3   "departureTime": "2025-12-10T10:00:00",
4   "arrivalTime": "2025-12-10T12:00:00",
5   "airlineName": "Indigo",
6   "priceOneWay": 3500.0,
7   "priceRoundTrip": 0.0,
8   "tripType": "ONE-WAY",
9   "availableSeats": 120,
10  "fromPlace": "Chennai",
11  "toPlace": "Bangalore"
12 }
```

Get flights by id :

flightApp-microservices / New Request

GET

http://localhost:8084/api/v1.0/flight/6930db8025b45b0fe4b8015d

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (3)

Test Results

200 OK

14 ms

380 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "flightId": "6930db8025b45b0fe4b8015d",
3   "departureTime": "2025-12-10T10:00:00",
4   "arrivalTime": "2025-12-10T12:00:00",
5   "airlineName": "Indigo",
6   "priceOneWay": 3500.0,
7   "priceRoundTrip": 0.0,
8   "tripType": "ONE-WAY",
9   "availableSeats": 120,
10  "fromPlace": "Chennai",
11  "toPlace": "Bangalore"
12 }
```