

Assignment 4

Newman Report:

	executed	failed
iterations	1	0
requests	14	0
test-scripts	0	0
prerequisite-scripts	0	0
assertions	0	0
total run duration: 515ms		
total data received: 47.53kB (approx)		
average response time: 27ms [min: 8ms, max: 95ms, s.d.: 26ms]		

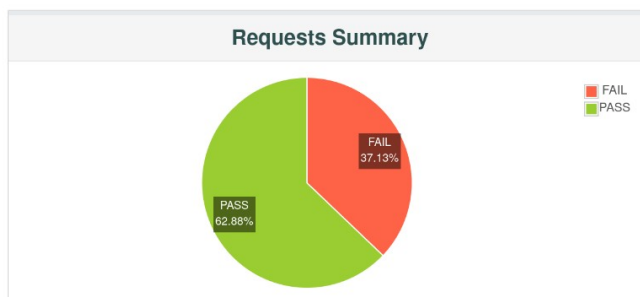
vishnu fedora ../FlightBookingDokcerSecurity

Jmeter Report: (Test plan and full report available on jmeter folder)

```
vishnu fedora ../Jmeter jmeter -n -t "/home/vishnu/Documents/Chubb Assignments/FlightBookingDokcerSecurity/Jmeter/jmeter_test_plan.jmx" -l "/home/vishnu/Documents/Chubb Assignments/FlightBookingDokcerSecurity/Jmeter/results.jtl"
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release
Creating summariser <summary>
Created the tree successfully using /home/vishnu/Documents/Chubb Assignments/FlightBookingDokcerSecurity/Jmeter/jmeter_test_plan.jmx
Starting standalone test @ 2025 Dec 8 23:38:11 IST (1765217291621)
Waiting for possible Shutdown/StopTestNow/HeapDump/ThreadDump message on port 4445
summary =      800 in 00:00:02 = 381.5/s Avg:  111 Min:    4 Max:  999 Err:  297 (37.12%)
Tidying up ... @ 2025 Dec 8 23:38:13 IST (1765217293772)
... end of run
```

Test and Report information	
Source file	"results.jtl"
Start Time	"12/8/25, 11:38 PM"
End Time	"12/8/25, 11:38 PM"
Filter for display	""

APDEX (Application Performance Index)			
Apdex	T (Toleration threshold)	F (Frustration threshold)	Label
0.598	500 ms	1 sec 500 ms	Total
0.010	500 ms	1 sec 500 ms	SignUp
0.010	500 ms	1 sec 500 ms	Add Inventory
0.010	500 ms	1 sec 500 ms	Book Ticket
0.755	500 ms	1 sec 500 ms	Login
1.000	500 ms	1 sec 500 ms	Search Flight
1.000	500 ms	1 sec 500 ms	Cancel ticket
1.000	500 ms	1 sec 500 ms	Get Ticket history by email
1.000	500 ms	1 sec 500 ms	Get Ticket Details by PNR



(note: failure in test is due to submission of signin request for same email, booking same seats and adding same schedule multiple times)

20 Threads

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
SignUp	20	18	7	123	28.58	95.00%	20.9/sec	7.24	6.48	355.2
Login	20	89	76	108	6.34	0.00%	20.6/sec	12.15	6.31	603.0
Add Inventory	20	10	9	21	2.71	95.00%	22.2/sec	4.22	12.28	194.9
Search Flight	20	5	5	7	0.62	0.00%	22.6/sec	58.93	10.32	2673.4
Book Ticket	20	19	13	56	9.87	95.00%	22.3/sec	3.52	18.18	161.7
Get Ticket Det...	20	7	5	10	1.16	0.00%	23.4/sec	12.13	8.01	529.8
Get Ticket hist...	20	6	5	9	1.04	0.00%	23.5/sec	1010.71	8.46	43986.2
Cancel ticket	20	15	12	20	1.69	0.00%	23.4/sec	1.46	8.67	64.0
TOTAL	160	21	5	123	28.41	35.62%	144.4/sec	856.13	63.42	6071.0

50 Threads

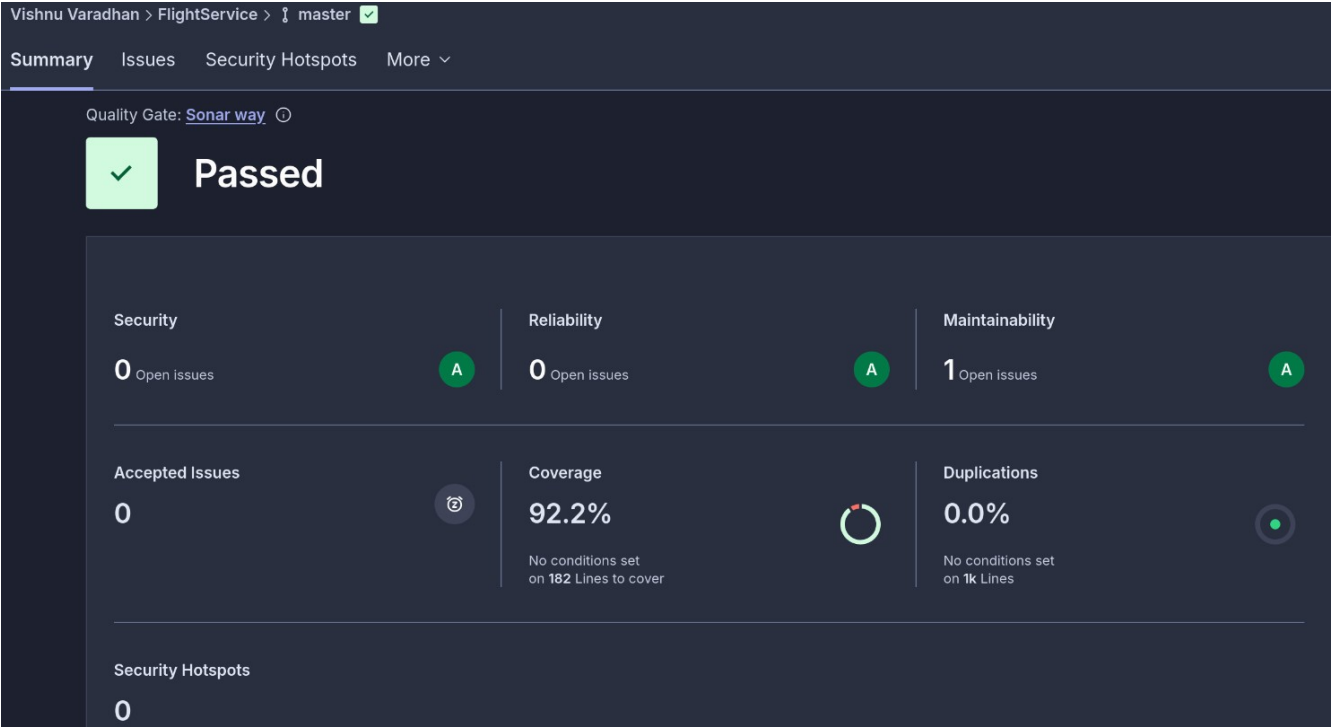
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
SignUp	50	33	8	100	23.18	98.00%	46.3/sec	16.10	14.47	356.2
Login	50	157	84	259	48.82	0.00%	44.6/sec	26.25	13.62	603.3
Add Inventory	50	24	9	68	13.70	98.00%	47.6/sec	8.61	26.34	185.4
Search Flight	50	13	5	37	7.11	0.00%	47.7/sec	124.42	21.78	2673.0
Book Ticket	50	48	23	129	19.03	98.00%	46.6/sec	6.81	37.92	149.9
Get Ticket Det...	50	21	10	53	8.82	0.00%	47.4/sec	24.52	16.21	529.2
Get Ticket hist...	50	17	7	44	9.34	0.00%	47.6/sec	2045.56	17.11	43987.8
Cancel ticket	50	41	12	116	20.77	0.00%	47.5/sec	2.97	17.62	64.0
TOTAL	400	44	5	259	49.41	36.75%	308.9/sec	1830.53	135.74	6068.6

100 Threads

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
SignUp	100	259	6	952	197.98	99.00%	59.4/sec	20.71	18.45	356.9
Login	100	403	103	787	184.77	0.00%	51.2/sec	30.14	15.64	603.1
Add Inventory	100	33	6	204	29.75	99.00%	53.9/sec	9.86	29.82	187.4
Search Flight	100	17	4	58	10.65	0.00%	54.7/sec	142.71	24.99	2672.8
Book Ticket	100	56	11	224	30.91	99.00%	54.6/sec	7.78	44.48	145.9
Get Ticket Det...	100	28	5	128	21.75	0.00%	59.0/sec	30.50	20.18	529.1
Get Ticket hist...	100	27	4	117	22.48	0.00%	60.1/sec	2579.90	21.58	43986.3
Cancel ticket	100	44	8	134	23.12	0.00%	60.6/sec	3.79	22.50	64.0
TOTAL	800	108	4	952	166.00	37.12%	383.5/sec	2272.67	168.44	6068.2

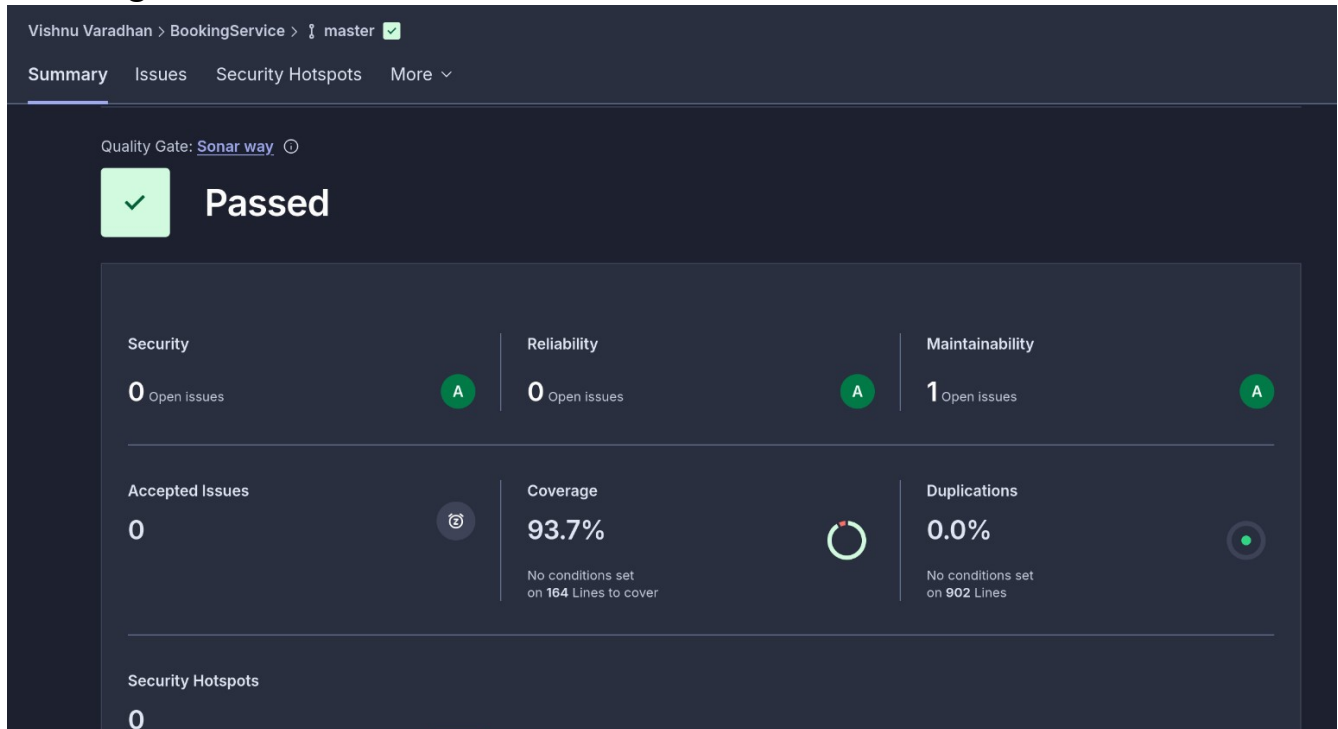
SonarQube Report:

FlightService:



link = https://sonarcloud.io/summary/overall?id=vi2hnu-1_flight servicedocker&branch=master

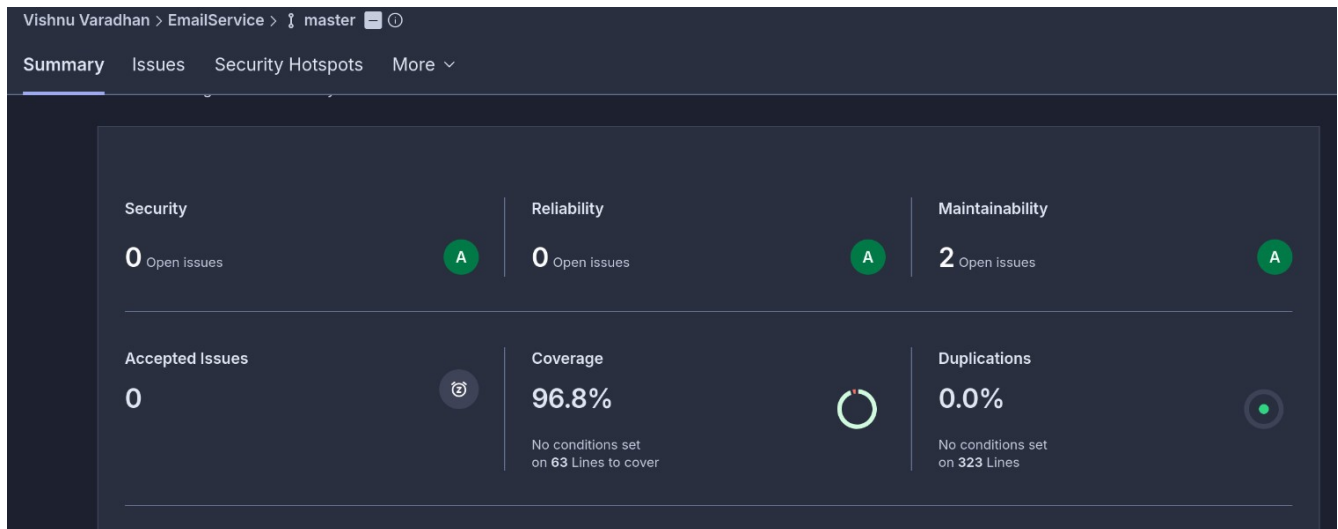
BookingService:



link:

https://sonarcloud.io/summary/overall?id=vi2hnu-1_bookingservicedocker&branch=master

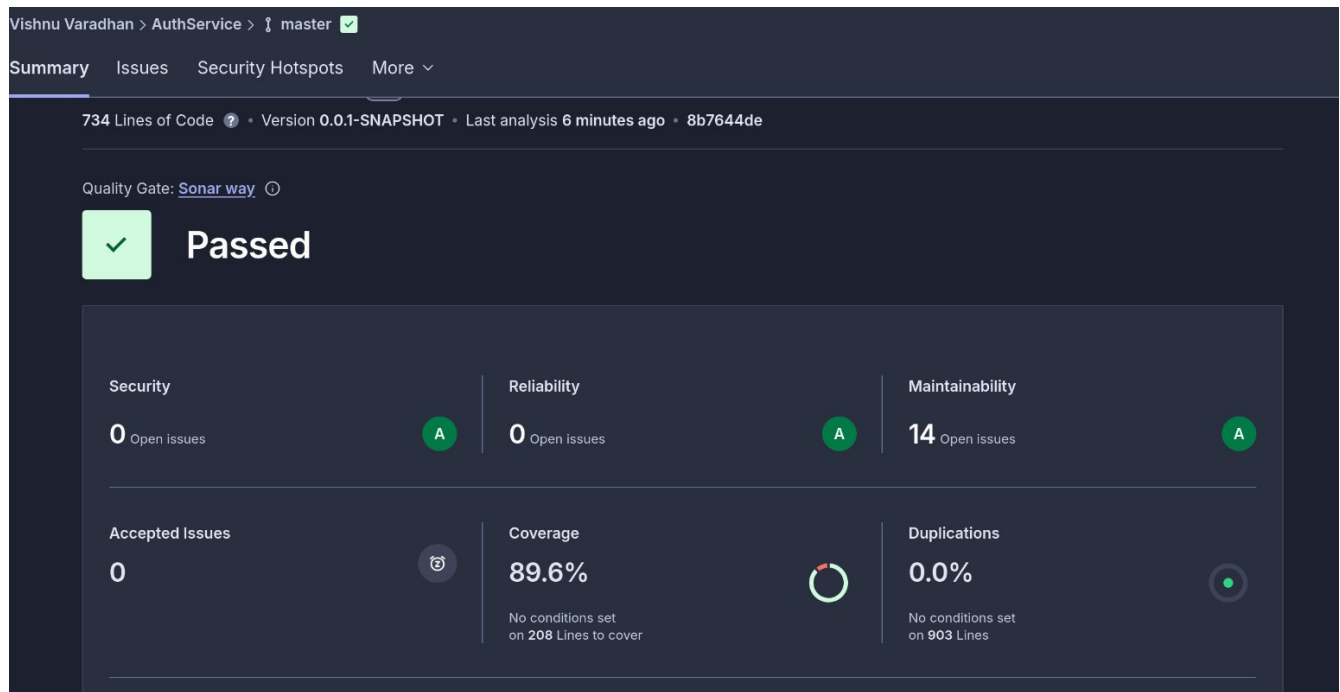
Email Service:



Link:

https://sonarcloud.io/summary/overall?id=vi2hnu-1_emailservicedocker&branch=master












AuthService:








Link: https://sonarcloud.io/summary/overall?id=vi2hnu-1_authservice&branch=master

Jacoco report:










FlightService

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
org.example.flightservice.configuration		0%		n/a	4	4	7	7	4	4	2	2
org.example.flightservice.model.enums		50%		n/a	1	2	2	4	1	2	1	2
org.example.flightservice		0%		n/a	2	2	3	3	2	2	1	1
org.example.flightservice.service.implementation		99%		85%	4	31	1	101	0	17	0	3
org.example.flightservice.exception		100%		100%	0	15	0	29	0	14	0	6
org.example.flightservice.dto		100%		100%	0	7	0	14	0	4	0	3
org.example.flightservice.controller		100%		n/a	0	11	0	19	0	11	0	3
org.example.flightservice.model.entity		100%		n/a	0	2	0	5	0	2	0	1
Total	67 of 786	91%	4 of 36	88%	11	74	13	182	7	56	4	21














EmailService

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
org.example.emailservice		37%		n/a	1	2	2	3	1	2	0	1
org.example.emailservice.service.implementation		100%		n/a	0	5	0	44	0	5	0	1
org.example.emailservice.dto		100%		n/a	0	3	0	3	0	3	0	3
org.example.emailservice.model.enums		100%		n/a	0	2	0	4	0	2	0	2
org.example.emailservice.kafka		100%		n/a	0	4	0	9	0	4	0	1
Total	5 of 270	98%	0 of 0	n/a	1	16	2	63	1	16	0	8

BookingService

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
org.example.bookingservice.configuration		0%		n/a	3	3	4	4	3	3	1	1
org.example.bookingservice.exception		91%		50%	1	13	2	26	0	12	0	5
org.example.bookingservice		0%		n/a	2	2	3	3	2	2	1	1
org.example.bookingservice.service.implementation		98%		95%	1	25	1	99	0	13	0	2
org.example.bookingservice.dto		100%		n/a	0	6	0	11	0	6	0	5
org.example.bookingservice.controller		100%		n/a	0	7	0	15	0	7	0	2
org.example.bookingservice.model.enums		100%		n/a	0	3	0	6	0	3	0	3
Total	41 of 745	94%	2 of 26	92%	7	59	10	164	5	46	2	19

AuthService

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
org.example.authservice.Configuration		40%		n/a	4	10	9	21	4	10	0	1
org.example.authservice.service.jwt		88%		90%	2	21	7	72	1	16	0	3
org.example.authservice.controllers		88%		88%	4	16	3	49	3	11	0	1
org.example.authservice		0%		n/a	2	2	3	3	2	2	1	1
org.example.authservice.service.user		100%		100%	0	8	0	22	0	7	0	2
org.example.authservice.exception		100%		100%	0	6	0	16	0	5	0	2
org.example.authservice.dto		100%		n/a	0	4	0	11	0	4	0	4
org.example.authservice.model.entity		100%		n/a	0	3	0	10	0	3	0	2
org.example.authservice.model.enums		100%		n/a	0	1	0	4	0	1	0	1
Total	130 of 867	85%	2 of 23	91%	12	71	22	208	10	59	1	17

Eureka:

System Status

Environment	test	Current time	2025-12-08T18:15:22 +0000
Data center	default	Uptime	00:59
		Lease expiration enabled	true
		Renews threshold	10
		Renews (last min)	20

DS Replicas

localhost

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
APIGATEWAY	n/a (1)	(1)	UP (1) - 84a992112de8:ApiGateway:9000
AUTHSERVICE	n/a (1)	(1)	UP (1) - 39d5f6093c68:AuthService:9091
BOOKINGSERVICE	n/a (1)	(1)	UP (1) - 5f7ffc0c4eab:BookingService:8081
EMAILSERVICE	n/a (1)	(1)	UP (1) - 3e3bdec73b8c:EmailService:8082
FLIGHTSERVICE	n/a (1)	(1)	UP (1) - 5737213135fb:FlightService:8080

Docker:

vishnu fedora .. /FlightBookingDokcerSecurity docker ps

CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS	PORTS
84a992112de8	flightbookingdokcersecurity-apigateway		"java -jar ApiGatewa..."	2 hours ago	Up 2 hours	0.0.0.
0:9000->9000/tcp, [::]:9000->9000/tcp	apigateway					
3e3bdec73b8c	flightbookingdokcersecurity-emailservice		"java -jar EmailServ..."	2 hours ago	Up 2 hours	0.0.0.
0:8082->8082/tcp, [::]:8082->8082/tcp	emailservice					
39d5f6093c68	flightbookingdokcersecurity-authservice		"java -jar AuthServi..."	2 hours ago	Up 2 hours	0.0.0.
0:9091->9091/tcp, [::]:9091->9091/tcp	authservice					
5737213135fb	flightbookingdokcersecurity-flightservice		"java -jar FlightSer..."	2 hours ago	Up 2 hours	0.0.0.
0:8080->8080/tcp, [::]:8080->8080/tcp	flightservice					
5f7ffc0c4eab	flightbookingdokcersecurity-bookingservice		"java -jar BookingSe..."	2 hours ago	Up 2 hours	0.0.0.
0:8081->8081/tcp, [::]:8081->8081/tcp	bookingservice					
5f26ab7535c9	mcr.microsoft.com/mssql/server:2022-latest		"/opt/mssql/bin/laun..."	2 hours ago	Up 2 hours	0.0.0.
0:1433->1433/tcp, [::]:1433->1433/tcp	sql_db					
458238a3be39	redis:latest		"docker-entrypoint.s..."	2 hours ago	Up 2 hours	0.0.0.
0:6379->6379/tcp, [::]:6379->6379/tcp	redis					
abcee041bd95	apache/kafka:4.1.1		"/__cacert_entrypoin..."	2 hours ago	Up 2 hours	0.0.0.
0:9092->9092/tcp, [::]:9092->9092/tcp	kafkaQueue					
3d1572736b2	flightbookingdokcersecurity-configserver		"java -jar ConfigSer..."	2 hours ago	Up 2 hours (healthy)	0.0.0.
0:8888->8888/tcp, [::]:8888->8888/tcp	configserver					

vishnu fedora .. /FlightBookingDokcerSecurity docker images

IMAGE	ID	DISK USAGE	CONTENT SIZE	EXTRA
apache/kafka:4.1.1	97f07998d0d7	429MB	0B	U
flightbookingdokcersecurity-apigateway:latest	93eb8f57dad3	490MB	0B	U
flightbookingdokcersecurity-authservice:latest	640b008da96d	527MB	0B	U
flightbookingdokcersecurity-bookingservice:latest	d4d61d7b2a0e	558MB	0B	U
flightbookingdokcersecurity-configserver:latest	1ac8d8551a0f	483MB	0B	U
flightbookingdokcersecurity-emailservice:latest	74c5a120c688	511MB	0B	U
flightbookingdokcersecurity-eureka:latest	fba0e2e414f9	501MB	0B	U
flightbookingdokcersecurity-flightservice:latest	d2c21c442b08	563MB	0B	U
kicbase/stable:v0.0.47	795ea6a69ce6	1.31GB	0B	U
mcr.microsoft.com/mssql/server:2022-latest	3c94bf005911	1.61GB	0B	U
mongo:latest	f862b74ef86b	906MB	0B	U
mysql:5.7	5107333e08a8	501MB	0B	
redis:latest	1c390e3bb5cb	139MB	0B	U

Logs:

[illegible]

(note: Docker logs present in root folder)

Postman (Check full request body and response data at the end of this document)

1) <http://localhost:9000/flightservice/api/flight/airline/inventory>

HTTP Chubb / Flight Service / Add flight schedule

POST <http://localhost:9000/flightservice/api/flight/airline/inventory>

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

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ☐

```
1 {
2   "flightId": 4,
3   "fromCityId": 4,
4   "toCityId": 2,
5   "departureDate": "2026-07-13",
6   "departureTime": "2026-07-13T09:30:00",
7   "price": 4500.50,
8   "seatsAvailable": 120,
9   "duration": 180
10 }
```

Body Cookies Headers (3) Test Results

201 Created

{ } JSON ☐ Preview Visualize ☐

```
1 {
2   "departureDate": "2026-07-13",
3   "departureTime": "2026-07-13T09:30:00",
4   "duration": 180,
5   "flight": {
6     "airline": {
7       "airlineName": "Spice Jet",
8       "id": 3
9     },
10    "columns": 6,
11    "id": 4,
12    "name": "SJ404",
13    "rows": 34,
14    "year": 2025
15  },
16  "fromCity": {
17    "airportCode": "BLR",
18    "cityName": "Bengaluru",
19    "id": 4
20  },
21  "id": 60017,
22  "price": 4500.5,
23  "seatsAvailable": 204,
24  "toCity": {
```

2) <http://localhost:9000/flightservice/api/flight/search>

HTTP Chubb / Flight Service / Search Flight

POST

<http://localhost:9000/flightservice/api/flight/search>

Docs

Params

Authorization

Headers (9)

Body

Scripts

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSC

```
1 {  
2   "fromCityCode": "BLR",  
3   "toCityCode": "BOM",  
4   "date" : "2026-01-22"  
5 }
```

Body

Cookies

Headers (3)

Test Results



200 OK

{ } JSON

Preview

Visualize



```
1 [  
2   {  
3     "departureDate": "2026-01-22",  
4     "departureTime": "2026-01-21T09:30:00",  
5     "duration": 180,  
6     "flight": {  
7       "airline": {  
8         "airlineName": "Spice Jet",  
9         "id": 3  
10      },  
11     "columns": 6,  
12     "id": 5,  
13     "name": "SJ505",  
14     "rows": 26,  
15     "year": 2025  
16   },  
17   "fromCity": {  
18     "airportCode": "BLR",  
19     "cityName": "Bengaluru",  
20     "id": 4  
21   },  
22   "id": 10004,  
23   "price": 4500.5,  
24   "seatsAvailable": 120,  
25 }
```

3) <http://localhost:9000/bookingservice/api/flight/booking/3>

 Chubb / Booking Service / **Book ticket**

POST



<http://localhost:9000/bookingservice/api/flight/booking/3>

 Docs

Params

Authorization

Headers (9)

Body ●

Scripts

Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼

```
1  {
2    "user": {
3      "id": 1,
4      "name": "Vinod Patel",
5      "email": "vishnuvaradhankr@gmail.com",
6      "gender": "MALE"
7    },
8    "scheduleId": 8,
9    "returnTripId": null,
10   "passengers": [
11     {
12       "name": "Ramesh Kumar",
13       "gender": "MALE",
14       "meal": "VEG",
15       "seatPos": "2C"
16     },
17     {
18       "name": "Anita Singh",
19       "gender": "FEMALE",
20       "meal": "NONVEG",
21       "seatPos": "2A"
22     }
23   ]
24 }
```

{ } JSON ▾ ▶ Preview 🖼 Visualize ▾

```
2    "bookedByUsers": {
3      "email": "vishnuvaradhankr@gmail.com",
4      "gender": "MALE",
5      "id": 1,
6      "name": "Vinod Patel"
7    },
8    "id": 20017,
9    "passengers": [
10     {
11       "gender": "MALE",
12       "id": 20032,
13       "mealOption": "VEG",
14       "name": "Ramesh Kumar",
15       "seatPosition": "2C"
16     },
17     {
18       "gender": "FEMALE",
19       "id": 20033,
20       "mealOption": "NONVEG",
21       "name": "Anita Singh",
22       "seatPosition": "2A"
23     }
24   ],
25   "pnr": "PNR17645937139851",
```

4) <http://localhost:9000/bookingservice/api/flight/ticket/PNR17645920003131>

GET ▼ http://localhost:9000/bookingservice/api/flight/ticket/PNR17645920003131

Docs Params Authorization Headers (7) Body Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL Text ▼

1 Ctrl+Alt+P to Ask AI

Body Cookies Headers (3) Test Results 🕒 200 OK

{} JSON ▼ ▶ Preview 🖼 Visualize ▼

```
1  {
2    "bookedByUsers": {
3      "email": "vishnuvaradhankr@gmail.com",
4      "gender": "MALE",
5      "id": 1,
6      "name": "Vinod Patel"
7    },
8    "id": 20013,
9    "passengers": [
10     {
11       "gender": "MALE",
12       "id": 20024,
13       "mealOption": "VEG",
14       "name": "Ramesh Kumar",
15       "seatPosition": "2C"
16     },
17     {
18       "gender": "FEMALE",
19       "id": 20025,
20       "mealOption": "NONVEG",
21       "name": "Anita Singh"
```

5) <http://localhost:9000/bookingservice/api/flight/booking/history/vishnuvaradhankr@gmail.com>

HTTP Chubb / Booking Service / Get details using email

GET

http://localhost:9000/bookingservice/api/flight/booking/history/vishnuvaradhankr@gmail.com

Docs Params Authorization Headers (7) Body Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL Text

1 C++L.A3+uD +o Ack AT

Body Cookies Headers (4) Test Results


200 OK

{ } JSON

Preview Visualize

```
1  [
2    {
3      "bookedByUsers": {
4        "email": "vishnuvaradhankr@gmail.com",
5        "gender": "MALE",
6        "id": 1,
7        "name": "Vinod Patel"
8      },
9      "id": 2,
10     "passengers": [
11       {
12         "gender": "MALE",
13         "id": 1,
14         "mealOption": null,
15         "name": "Ramesh Kumar",
16         "seatPosition": "4A"
17       },
18       {
19         "gender": "FEMALE",
20         "id": 2,
21         "mealOption": "NONVEG"
```


6) <http://localhost:9000/bookingservice/api/flight/booking/cancel/PNR17645214757551>

 Chubb / Booking Service / **Cancel a ticket**

DELETE

▼

http://localhost:9000/bookingservice/api/flight/booking/cancel/PNR17645214757551

☰ Docs

Params

Authorization

Headers (7)

Body

Scripts

Settings

Body


Cookies

Headers (1)

Test Results


↺

204 No Content • 19 ms

 Raw

▼

▶ Preview

 Visualize

▼

1 |

7) Signin

HTTP Chubb / Auth / **signin**

POST http://localhost:9000/authservice/api/auth/signin

Docs Params Authorization Headers (10) **Body** Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▾

```
1 {
2   "username": "roy",
3   "email": "roy@gmail.com",
4   "password": "TheStrongestPassword1222231321@@@@"
5 }
```

Body Cookies (1) Headers (10) Test Results ↺

{ } JSON ▾ ▶ Preview 🖼 Visualize ▾

```
1 {
2   "id": 10,
3   "username": "roy",
4   "email": "roy@gmail.com",
5   "roles": [
6     "ROLE_ADMIN",
7     "ROLE_USER"
8   ]
9 }
```

8) signup

POST http://localhost:9000/authservice/api/auth/signup

Docs Params Authorization Headers (10) **Body** Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL

```
1 {
2   "username": "Ramesh",
3   "email": "ramesh@gmail.com",
4   "password": "TheStrongestPassword1222231321@@@@"
5 }
```

Body Cookies (1) Headers (9) Test Results ↺

{ } JSON ▾ ▶ Preview 🖼 Visualize ▾

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

API Request body and example response:

1) <http://localhost:9000/flightservice/api/flight/airline/inventory> (add flight)

Request:

```
{
  "flightId": 5,
  "fromCityId": 4,
  "toCityId": 2,
  "departureDate": "2026-07-18",
  "departureTime": "2026-07-18T09:30:00",
  "price": 4500.50,
  "seatsAvailable": 120,
  "duration": 180
}
```

Response:

```
{
  "departureDate": "2026-07-19",
  "departureTime": "2026-07-19T09:30:00",
  "duration": 180,
  "flight": {
    "airline": {
      "airlineName": "Spice Jet",
      "id": 3
    },
    "columns": 6,
    "id": 5,
    "name": "SJ505",
    "rows": 26,
    "year": 2025
  },
  "fromCity": {
    "airportCode": "BLR",
    "cityName": "Bengaluru",
    "id": 4
  },
  "id": 70015,
  "price": 4500.5,
  "seatsAvailable": 156,
  "toCity": {
    "airportCode": "BOM",
    "cityName": "Mumbai",
    "id": 2
  }
}
```

2) <http://localhost:9000/flightsearch/api/flight/search> (Search for flight)

Request:

```
{
  "fromCityCode": "BLR",
  "toCityCode": "BOM",
  "date": "2026-01-22"
}
```

Response:

```
[
  {
    "departureDate": "2026-01-22",
    "departureTime": "2026-01-21T09:30:00",
    "duration": 180,
    "flight": {
      "airline": {
        "airlineName": "Spice Jet",
        "id": 3
      },
      "columns": 6,
      "id": 5,
      "name": "SJ505",
      "rows": 26,
      "year": 2025
    },
    "fromCity": {
      "airportCode": "BLR",
      "cityName": "Bengaluru",
      "id": 4
    },
    "id": 10004,
    "price": 4500.5,
    "seatsAvailable": 120,
    "toCity": {
      "airportCode": "BOM",
      "cityName": "Mumbai",
      "id": 2
    }
  }
]
```

3) <http://localhost:9000/bookingservice/api/flight/booking/3> (book ticket)

Request:

```
{
  "user": {
    "id": 1,
    "name": "Vinod Patel",
    "email": "vishnuvaradhankr@gmail.com",
    "gender": "MALE"
  },
  "scheduleId": 10,
  "returnTripId": null,
  "passengers": [
    {
      "name": "Ramesh Kumar",
      "gender": "MALE",
      "meal": "VEG",
      "seatPos": "13C"
    }
  ]
}
```

Response:

```
{
  "bookedByUsers": {
    "email": "vishnuvaradhankr@gmail.com",
    "gender": "MALE",
    "id": 1,
    "name": "Vinod Patel"
  },
  "id": 30023,
  "passengers": [
    {
      "gender": "MALE",
      "id": 30004,
      "mealOption": "VEG",
      "name": "Ramesh Kumar",
      "seatPosition": "13C"
    }
  ],
  "pnr": "PNR17646382318681",
  "returnTripScheduleId": null,
  "scheduleId": 10,
  "status": "BOOKED"
}
```

4) <http://localhost:9000/bookingservice/api/flight/ticket/PNR17645920003131> (search using pnr)

Response:

```
{
  "bookedByUsers": {
    "email": "vishnuvaradhankr@gmail.com",
    "gender": "MALE",
    "id": 1,
    "name": "Vinod Patel"
  },
  "id": 30023,
  "passengers": [
    {
      "gender": "MALE",
      "id": 30004,
      "mealOption": "VEG",
      "name": "Ramesh Kumar",
      "seatPosition": "13C"
    }
  ],
  "pnr": "PNR17646382318681",
  "returnTripScheduleId": null,
  "scheduleId": 10,
  "status": "BOOKED"
}
```

5)

<http://localhost:9000/bookingservice/api/flight/booking/history/vishnuvaradhankr@gmail.com>

(Search history using email)

Response:

```
[{
  "bookedByUsers": {
    "email": "vishnuvaradhankr@gmail.com",
    "gender": "MALE",
    "id": 1,
    "name": "Vinod Patel"},
  "id": 2,
  "passengers": [
    {"gender": "FEMALE",
      "id": 2,
      "mealOption": "NONVEG",
      "name": "Anita Singh",
      "seatPosition": "5B"}
  ],
  "pnr": "PNR17643280656201",
  "returnTripScheduleId": null,
  "scheduleId": 1,
  "status": "CANCELED"
},
{
  "bookedByUsers": {
    "email": "vishnuvaradhankr@gmail.com",
    "gender": "MALE",
    "id": 1,
    "name": "Vinod Patel"},
  "id": 4,
  "passengers": [
    {
      "gender": "MALE",
      "id": 3,
      "mealOption": null,
      "name": "Ramesh Kumar",
      "seatPosition": null
    }
  ],
  "pnr": "PNR17643286947351",
  "returnTripScheduleId": null,
  "scheduleId": 2,
  "status": "BOOKED"
}
]
```


6) <http://localhost:9000/bookingservice/api/flight/booking/cancel/PNR17646373940441>
(cancellation of ticket)

Response: 204 No content