Downloading the files

```
C:\Users\sudhe\spring_tools_workspace\Flight_Booking_System_Reactive_JWT>docker-compose up --build
time="2025-12-09T00:34:10+05:30" level=warning msg="C:\\Users\\sudhe\\spring_tools_workspace\\Flight_Booking_System_Reac
tive_JWT\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potenti
al confusion"
[+] Running 7/24
 - zookeeper [####. #. # #] 33.58MB / 438.7MB Pulling                                              15.5s
   ✔1bad53dda6d5 Download complete                                                                  5.9s
   ✔bd3de482b201 Download complete                                                                  4.7s
   ✔95d7897d98ce Download complete                                                                  6.7s
   - 6086b74cc48f Downloading [==========================>           ] 4.1...                      11.4s
   - fb4b1a10a8b8 Downloading [==>                                    ] 5.2...                      11.4s
   ✔8592ceb925f7 Download complete                                                                  5.9s
   - 57168402cb72 Downloading [========>                              ] 6.2...                      11.4s
   ✔04b3375cab83 Download complete                                                                  8.3s
   - f80eb2db9d48 Downloading [=====>                                 ] 4.1...                      11.4s
   ✔0fbb79a570de Download complete                                                                  5.9s
   - 6edc125f768c Downloading [==>                                    ] 13....                      11.4s
 - mongo [#  #     ##] Pulling                                                                      15.5s
   - cde22982277a Downloading [====================================>] 5.0...                         6.8s
   - af6eca94c810 Pulling fs layer                                                                   6.8s
   - 9d81a4e85c6a Downloading [====================================>]    ...                         6.8s
   - dc9abaf2c8ff Pulling fs layer                                                                   6.8s
   - 9d6e74542339 Pulling fs layer                                                                   6.8s
   - afdef96060ff Pulling fs layer                                                                   6.8s
   - a2be9b1fc57a Downloading [====================================>]    ...                         6.8s
   - 1ad79419bb76 Downloading [====================================>] 1.7...                         6.8s
 - kafka [#] 2.101MB / 108.1MB Pulling                                                              15.5s
   ✔210860798c03 Download complete                                                                  4.5s
   - be07a4b85081 Downloading [>                                      ] 2.0...                      11.2s
```

Building images

```
[+] Building 46.2s (20/28)
 => => transferring context: 2B                                                                     0.0s
 => [flight-service internal] load .dockerignore                                                    0.1s
 => => transferring context: 2B                                                                     0.0s
 => [service-registry internal] load .dockerignore                                                  0.1s
 => => transferring context: 2B                                                                     0.0s
 => [user-service internal] load .dockerignore                                                      0.1s
 => => transferring context: 2B                                                                     0.0s
 => [config-server 1/3] FROM docker.io/library/eclipse-temurin:17-jdk-alpine@sha256:eaf56b7430cee6c9387110636771  42.9s
 => => resolve docker.io/library/eclipse-temurin:17-jdk-alpine@sha256:eaf56b7430cee6c93871106367715e2675192093d8f  0.1s
 => => sha256:b3851e26ddd2575c157cfd1ad2a673f8e8b4541dd5f6a0b8a2f65d3935e10fe6 129B / 129B          0.7s
 => => sha256:ecc9308f1b3f4d73b7c1a1aaba0b8eda9e9155caf3619e236d0c1a8b410704ef 135.27MB / 143.99MB  42.6s
 => => sha256:2da2b7fa39d9ca89504884bfa364de57e68f656d1fd46f04941d3d34ffdbca30 21.11MB / 21.11MB    13.9s
 => => sha256:f03fcaf37379fff8027b1eaf41f78daa4bf57cd4f423a9e9d7015d3bbcf9bb53 2.28kB / 2.28kB      2.9s
 => => sha256:2d35ebdb57d9971fea0cac1582aa78935adf8058b2cc32db163c98822e5dfa1b 3.80MB / 3.80MB      3.0s
 => => extracting sha256:2d35ebdb57d9971fea0cac1582aa78935adf8058b2cc32db163c98822e5dfa1b           0.2s
 => => extracting sha256:2da2b7fa39d9ca89504884bfa364de57e68f656d1fd46f04941d3d34ffdbca30           1.0s
 => [service-registry internal] load build context                                                 16.8s
 => => transferring context: 64.98MB                                                                16.6s
 => [user-service internal] load build context                                                     19.0s
 => => transferring context: 58.84MB                                                                19.0s
 => [flight-service internal] load build context                                                   18.8s
 => => transferring context: 54.43MB                                                                18.6s
 => [config-server internal] load build context                                                    10.7s
 => => transferring context: 59.21MB                                                                10.6s
 => [booking-service internal] load build context                                                  14.4s
 => => transferring context: 82.27MB                                                                14.2s
 => [api-gateway internal] load build context                                                       0.2s
 => => transferring context: 9.20kB                                                                  0.0s
```

Docker ps

```
Microsoft Windows [Version 10.0.26200.7309]
(c) Microsoft Corporation. All rights reserved.

C:\Users\sudhe>docker ps
CONTAINER ID   IMAGE                                                   COMMAND                  CREATED         STATUS
       PORTS                                         NAMES
a82edf68f275   flight_booking_system_reactive_jwt-booking-service      "java -jar app.jar"      5 minutes ago   Up 5 minut
es   0.0.0.0:8081->8081/tcp, [::]:8081->8081/tcp      booking-service
212b1a7ea22e   flight_booking_system_reactive_jwt-user-service         "java -jar app.jar"      5 minutes ago   Up 5 minut
es   0.0.0.0:8083->8083/tcp, [::]:8083->8083/tcp      user-service
b70063fe6496   confluentinc/cp-kafka:7.5.0                             "/etc/confluent/dock…"   5 minutes ago   Up 5 minut
es   0.0.0.0:9092->9092/tcp, [::]:9092->9092/tcp      kafka
7e8de58f2ae5   flight_booking_system_reactive_jwt-flight-service       "java -jar app.jar"      5 minutes ago   Up 5 minut
es   0.0.0.0:8082->8082/tcp, [::]:8082->8082/tcp      flight-service
606b7c7de43d   flight_booking_system_reactive_jwt-config-server        "java -jar app.jar"      5 minutes ago   Up 5 minut
es   0.0.0.0:8888->8888/tcp, [::]:8888->8888/tcp      config-server
fa974d1a77a2   mongo:6.0                                               "docker-entrypoint.s…"   5 minutes ago   Up 5 minut
es   0.0.0.0:27017->27017/tcp, [::]:27017->27017/tcp  mongo
a6fc949d5bcd   flight_booking_system_reactive_jwt-service-registry     "java -jar app.jar"      5 minutes ago   Up 5 minut
es   0.0.0.0:8761->8761/tcp, [::]:8761->8761/tcp      service-registry
d2c60e6883b4   confluentinc/cp-zookeeper:7.5.0                         "/etc/confluent/dock…"   5 minutes ago   Up 5 minut
es   0.0.0.0:2181->2181/tcp, [::]:2181->2181/tcp      zookeeper

C:\Users\sudhe>
```

Logs of service-registry

```
C:\Users\sudhe\spring_tools_workspace\Flight_Booking_System_Reactive_JWT>docker logs -f service-registry

  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/

 :: Spring Boot ::                (v3.5.8)

2025-12-08T19:18:42.114Z  INFO 1 --- [service-registry-flightbookingsystem] [           main] ceRegistryFlightbookingsys
temApplication : Starting ServiceRegistryFlightbookingsystemApplication v0.0.1-SNAPSHOT using Java 17.0.17 with PID 1 (/
app/app.jar started by root in /app)
2025-12-08T19:18:42.133Z  INFO 1 --- [service-registry-flightbookingsystem] [           main] ceRegistryFlightbookingsys
temApplication : The following 1 profile is active: "docker"
2025-12-08T19:18:50.396Z  INFO 1 --- [service-registry-flightbookingsystem] [           main] o.s.cloud.context.scope.Ge
nericScope     : BeanFactory id=294ab35f-4f2b-3a7b-8316-3230e3c6d896
2025-12-08T19:18:52.343Z  INFO 1 --- [service-registry-flightbookingsystem] [           main] o.s.b.w.embedded.tomcat.To
mcatWebServer  : Tomcat initialized with port 8761 (http)
2025-12-08T19:18:52.426Z  INFO 1 --- [service-registry-flightbookingsystem] [           main] o.apache.catalina.core.Sta
ndardService   : Starting service [Tomcat]
2025-12-08T19:18:52.427Z  INFO 1 --- [service-registry-flightbookingsystem] [           main] o.apache.catalina.core.Sta
ndardEngine    : Starting Servlet engine: [Apache Tomcat/10.1.49]
2025-12-08T19:18:52.605Z  INFO 1 --- [service-registry-flightbookingsystem] [           main] o.a.c.c.C.[Tomcat].[localh
ost].[/]       : Initializing Spring embedded WebApplicationContext
2025-12-08T19:18:52.615Z  INFO 1 --- [service-registry-flightbookingsystem] [           main] w.s.c.ServletWebServerAppl
icationContext : Root WebApplicationContext: initialization completed in 10176 ms
2025-12-08T19:18:59.397Z  INFO 1 --- [service-registry-flightbookingsystem] [           main] c.n.d.provider.DiscoveryJe
```

Logs of config-server

```
2025-12-08T19:33:00.811Z  WARN 1 --- [config-server-flightbookingsystem] [foReplicator-%d] c.n.discovery.InstanceInfoRep
licator        : There was a problem with the instance info replicator

com.netflix.discovery.shared.transport.TransportException: Cannot execute request on any known server
        at com.netflix.discovery.shared.transport.decorator.RetryableEurekaHttpClient.execute(RetryableEurekaHttpClient.
java:112) ~[eureka-client-2.0.4.jar!/:2.0.4]
        at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator.register(EurekaHttpClientDecorator
.java:56) ~[eureka-client-2.0.4.jar!/:2.0.4]
        at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator$1.execute(EurekaHttpClientDecorato
r.java:59) ~[eureka-client-2.0.4.jar!/:2.0.4]
        at com.netflix.discovery.shared.transport.decorator.SessionedEurekaHttpClient.execute(SessionedEurekaHttpClient.
java:76) ~[eureka-client-2.0.4.jar!/:2.0.4]
        at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator.register(EurekaHttpClientDecorator
.java:56) ~[eureka-client-2.0.4.jar!/:2.0.4]
        at com.netflix.discovery.DiscoveryClient.register(DiscoveryClient.java:828) ~[eureka-client-2.0.4.jar!/:2.0.4]
        at com.netflix.discovery.InstanceInfoReplicator.run(InstanceInfoReplicator.java:125) ~[eureka-client-2.0.4.jar!/
:2.0.4]
        at java.base/java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:539) ~[na:na]
        at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264) ~[na:na]
        at java.base/java.util.concurrent.ScheduledThreadPoolExecutor$ScheduledFutureTask.run(ScheduledThreadPoolExecuto
r.java:304) ~[na:na]
        at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1136) ~[na:na]
        at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:635) ~[na:na]
        at java.base/java.lang.Thread.run(Thread.java:840) ~[na:na]
```

Logs of booking-service-auth

```
... 23 more
2025-12-08T19:34:22.299Z  WARN 1 --- [booking-service-auth] [reshExecutor-%d] c.n.d.s.t.d.RetryableEurekaHttpClient    :
 Request execution failed with message: I/O error on GET request for "http://localhost:8761/eureka/apps/": Connect to ht
tp://localhost:8761 failed: Connection refused
2025-12-08T19:34:22.299Z  INFO 1 --- [booking-service-auth] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient    :
 DiscoveryClient_BOOKING-SERVICE-AUTH/a82edf68f275:booking-service-auth:8081 - was unable to refresh its cache! This per
iodic background refresh will be retried in 30 seconds. status = Cannot execute request on any known server stacktrace =
 com.netflix.discovery.shared.transport.TransportException: Cannot execute request on any known server
        at com.netflix.discovery.shared.transport.decorator.RetryableEurekaHttpClient.execute(RetryableEurekaHttpClient.
java:112)
        at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator.getApplications(EurekaHttpClientDe
corator.java:134)
        at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator$6.execute(EurekaHttpClientDecorato
r.java:137)
        at com.netflix.discovery.shared.transport.decorator.SessionedEurekaHttpClient.execute(SessionedEurekaHttpClient.
java:76)
        at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator.getApplications(EurekaHttpClientDe
corator.java:134)
        at com.netflix.discovery.DiscoveryClient.getAndStoreFullRegistry(DiscoveryClient.java:1046)
        at com.netflix.discovery.DiscoveryClient.fetchRegistry(DiscoveryClient.java:961)
        at com.netflix.discovery.DiscoveryClient.refreshRegistry(DiscoveryClient.java:1473)
        at com.netflix.discovery.DiscoveryClient$CacheRefreshThread.run(DiscoveryClient.java:1441)
        at java.base/java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:539)
        at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)
        at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1136)
        at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:635)
        at java.base/java.lang.Thread.run(Thread.java:840)
```

Logs of user-service

```
2025-12-08T19:19:34.035Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Force full registry fetch : fals
e
2025-12-08T19:19:34.036Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Application is null : false
2025-12-08T19:19:34.036Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Registered Applications size is
zero : true
2025-12-08T19:19:34.036Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Application version is -1: true
2025-12-08T19:19:34.036Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Getting all instance registry in
fo from the eureka server
2025-12-08T19:19:34.142Z  INFO 1 --- [user-service] [tbeatExecutor-0] com.netflix.discovery.DiscoveryClient      : DiscoveryClient_USER-SERVICE/212
b1a7ea22e:user-service:8083 - Re-registering apps/USER-SERVICE
2025-12-08T19:19:34.142Z  INFO 1 --- [user-service] [tbeatExecutor-0] com.netflix.discovery.DiscoveryClient      : DiscoveryClient_USER-SERVICE/212
b1a7ea22e:user-service:8083: registering service...
2025-12-08T19:19:34.144Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : The response status is 200
2025-12-08T19:19:34.164Z  INFO 1 --- [user-service] [tbeatExecutor-0] com.netflix.discovery.DiscoveryClient      : DiscoveryClient_USER-SERVICE/212
b1a7ea22e:user-service:8083 - registration status: 204
2025-12-08T19:20:04.146Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Disable delta property : false
2025-12-08T19:20:04.146Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Single vip registry refresh prop
erty : null
2025-12-08T19:20:04.146Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Force full registry fetch : fals
e
2025-12-08T19:20:04.146Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Application is null : false
2025-12-08T19:20:04.146Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Registered Applications size is
zero : true
2025-12-08T19:20:04.146Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Application version is -1: false
2025-12-08T19:20:04.146Z  INFO 1 --- [user-service] [freshExecutor-0] com.netflix.discovery.DiscoveryClient      : Getting all instance registry in
```

Logs of flight-service-auth

```
HTTP GET http://service-registry:8761/eureka/apps/delta
2025-12-08T19:37:02.985Z DEBUG 1 --- [flight-service-auth] [reshExecutor-%d] o.s.web.client.RestTemplate          :
Accept=[application/json, application/*+json]
2025-12-08T19:37:02.998Z DEBUG 1 --- [flight-service-auth] [reshExecutor-%d] o.s.web.client.RestTemplate          :
Response 200 OK
2025-12-08T19:37:02.999Z DEBUG 1 --- [flight-service-auth] [reshExecutor-%d] o.s.web.client.RestTemplate          :
Reading to [org.springframework.cloud.netflix.eureka.http.EurekaApplications]
2025-12-08T19:37:03.030Z DEBUG 1 --- [flight-service-auth] [beatExecutor-%d] o.s.web.client.RestTemplate          :
HTTP PUT http://service-registry:8761/eureka/apps/FLIGHT-SERVICE-AUTH/7e8de58f2ae5:flight-service-auth:8082?status=UP&la
stDirtyTimestamp=1765221602734
2025-12-08T19:37:03.031Z DEBUG 1 --- [flight-service-auth] [beatExecutor-%d] o.s.web.client.RestTemplate          :
Accept=[application/json, application/*+json]
2025-12-08T19:37:03.039Z DEBUG 1 --- [flight-service-auth] [beatExecutor-%d] o.s.web.client.RestTemplate          :
Response 200 OK
2025-12-08T19:37:32.999Z DEBUG 1 --- [flight-service-auth] [reshExecutor-%d] o.s.web.client.RestTemplate          :
HTTP GET http://service-registry:8761/eureka/apps/delta
2025-12-08T19:37:33.000Z DEBUG 1 --- [flight-service-auth] [reshExecutor-%d] o.s.web.client.RestTemplate          :
Accept=[application/json, application/*+json]
2025-12-08T19:37:33.008Z DEBUG 1 --- [flight-service-auth] [reshExecutor-%d] o.s.web.client.RestTemplate          :
Response 200 OK
2025-12-08T19:37:33.009Z DEBUG 1 --- [flight-service-auth] [reshExecutor-%d] o.s.web.client.RestTemplate          :
Reading to [org.springframework.cloud.netflix.eureka.http.EurekaApplications]
2025-12-08T19:37:33.039Z DEBUG 1 --- [flight-service-auth] [reshExecutor-%d] o.s.web.client.RestTemplate          :
HTTP PUT http://service-registry:8761/eureka/apps/FLIGHT-SERVICE-AUTH/7e8de58f2ae5:flight-service-auth:8082?status=UP&la
stDirtyTimestamp=1765221602734
2025-12-08T19:37:33.040Z DEBUG 1 --- [flight-service-auth] [beatExecutor-%d] o.s.web.client.RestTemplate          :
Accept=[application/json, application/*+json]
2025-12-08T19:37:33.049Z DEBUG 1 --- [flight-service-auth] [beatExecutor-%d] o.s.web.client.RestTemplate          :
Response 200 OK
```

Containers in docker desktop

☐	●	config-server	606b7c7de43d	flight_booking_system_reactive_jwt-co	8888:8888 ⤤	0.46%	✦	■	⋮	🗑
☐	●	mongo	fa974d1a77a2	mongo:6.0	27017:27017 ⤤	0.67%	✦	■	⋮	🗑
☐	●	service-regist	a6fc949d5bcd	flight_booking_system_reactive_jwt-se	8761:8761 ⤤	1.85%	✦	■	⋮	🗑
☐	●	zookeeper	d2c60e6883b4	confluentinc/cp-zookeeper:7.5.0	2181:2181 ⤤	0.56%	✦	■	⋮	🗑
☐	●	user-service	212b1a7ea22e	flight_booking_system_reactive_jwt-us	8083:8083 ⤤	0.18%	✦	■	⋮	🗑
☐	●	kafka	b70063fe6496	confluentinc/cp-kafka:7.5.0	9092:9092 ⤤	1.39%	✦	■	⋮	🗑
☐	●	flight-service	7e8de58f2ae5	flight_booking_system_reactive_jwt-fli	8082:8082 ⤤	0.36%	✦	■	⋮	🗑

Stopping compose

```
C:\Users\sudhe\spring_tools_workspace\Flight_Booking_System_Reactive_JWT>docker-compose stop
time="2025-12-09T01:10:06+05:30" level=warning msg="C:\\Users\\sudhe\\spring_tools_workspace\\Flight_Booking_System_Reac
tive_JWT\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potenti
al confusion"
[+] Stopping 9/9
 ✔Container user-service      Stopped                                                                              1.5s
 ✔Container booking-service   Stopped                                                                              1.8s
 ✔Container flight-service    Stopped                                                                              1.6s
 ✔Container api-gateway       Stopped                                                                              0.0s
 ✔Container mongo             Stopped                                                                              0.5s
 ✔Container service-registry  Stopped                                                                              0.5s
 ✔Container kafka             Stopped                                                                              0.9s
 ✔Container config-server     Stopped                                                                              1.5s
 ✔Container zookeeper         Stopped                                                                              0.7s
```