

Docker services and logs

Docker desktop working

The screenshot shows the Docker Desktop interface. On the left is a sidebar with navigation options: Ask Gordon (BETA), Containers (selected), Images, Volumes, Kubernetes, Builds, Models, MCP Toolkit (BETA), Docker Hub, Docker Scout, and Extensions. The main area is titled 'Containers' and shows a summary of container CPU usage (6.09% / 800%) and memory usage (2.53GB / 3.62GB). Below this is a search bar and a toggle for 'Only show running containers'. A table lists 18 running containers with columns for Name, Container ID, Image, Port(s), CPU (%), Last started, and Actions. The containers include flightbookingsecuritydocker, notification-microservice, booking-microservice, flight-microservice, api-gateway, user-microservice, config-server, kafka, mongo, eureka-server, and zookeeper. At the bottom, a status bar shows 'Engine running' and system resources: RAM 3.52 GB, CPU 1.63%, and Disk 12.58 GB used (limit 1006.85 GB). A 'Terminal' button and 'Update available' notification are also visible.

Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
flightbookingsecuritydocker	-	-	-	5.2%	13 minutes ago	[Icons]
notification-microservice	e962f49f0fe1	flightbookingsecuritydocker	8083:8083	0.64%	13 minutes ago	[Icons]
booking-microservice	4a8d3b391379	flightbookingsecuritydocker	8082:8082	0.19%	13 minutes ago	[Icons]
flight-microservice	50f4a2e3eb49	flightbookingsecuritydocker	8081:8081	0.18%	13 minutes ago	[Icons]
api-gateway	d2dff1f07219	flightbookingsecuritydocker	8765:8765	0.32%	13 minutes ago	[Icons]
user-microservice	20c3c1bd8f58	flightbookingsecuritydocker	8080:8080	0.23%	13 minutes ago	[Icons]
config-server	ad3cab3e86bb	flightbookingsecuritydocker	8888:8888	0.23%	13 minutes ago	[Icons]
kafka	2e03fbb4e75b	confluentinc/cp-kafka:7.6.1	9092:9092	1.29%	13 minutes ago	[Icons]
mongo	af67aed8180b	mongo:6.0	27017:27017	0.66%	13 minutes ago	[Icons]
eureka-server	c4c7e20fa04b	flightbookingsecuritydocker	8761:8761	1.22%	13 minutes ago	[Icons]
zookeeper	a53a34d757a2	confluentinc/cp-zookeeper:7.6.1	2181:2181	0.24%	13 minutes ago	[Icons]

Docker log files

a)To list the containers

command : docker ps

```
C:\Windows\System32\cmd.exe X + v
C:\Eclipse\eclipse\sts-4.32.2.RELEASE\FlightBookingSecurityDocker>docker ps
CONTAINER ID   IMAGE                                     COMMAND                  CREATED        STATUS        PORTS
e79b735164fa   flightbookingsecuritydocker-api-gateway "java -jar app.jar"     20 minutes ago Up 20 minutes 0.0.0.0:8765->8765/tcp, [::]:8765->8765/tcp
1ca6ff768a4f   flightbookingsecuritydocker-flight-microservice "java -jar app.jar"     20 minutes ago Up 20 minutes 0.0.0.0:8081->8081/tcp, [::]:8081->8081/tcp
489c4f169b30   flightbookingsecuritydocker-booking-microservice "java -jar app.jar"     20 minutes ago Up 20 minutes 0.0.0.0:8082->8082/tcp, [::]:8082->8082/tcp
bcd219ceceec   flightbookingsecuritydocker-notification-microservice "java -jar app.jar"     20 minutes ago Up 20 minutes 0.0.0.0:8083->8083/tcp, [::]:8083->8083/tcp
86b77211372a   flightbookingsecuritydocker-user-microservice "java -jar app.jar"     20 minutes ago Up 20 minutes 0.0.0.0:8080->8080/tcp, [::]:8080->8080/tcp
bb6ef2752c05   flightbookingsecuritydocker-config-server "java -jar app.jar"     20 minutes ago Up 20 minutes 0.0.0.0:8888->8888/tcp, [::]:8888->8888/tcp
1f0b058a23a3   flightbookingsecuritydocker-eureka-server "java -jar app.jar"     20 minutes ago Up 20 minutes 0.0.0.0:8761->8761/tcp, [::]:8761->8761/tcp
2e03fbb4e75b   confluentinc/cp-kafka:7.6.1              "/etc/confluent/dock..." 17 hours ago   Up 20 minutes 0.0.0.0:9092->9092/tcp, [::]:9092->9092/tcp
af67aed8180b   mongo:6.0                                "docker-entrypoint.s..." 17 hours ago   Up 20 minutes 0.0.0.0:27017->27017/tcp, [::]:27017->27017/tcp
a53a34d757a2   confluentinc/cp-zookeeper:7.6.1          "/etc/confluent/dock..." 17 hours ago   Up 20 minutes 0.0.0.0:2181->2181/tcp, [::]:2181->2181/tcp
```

b)Eureka Server Logs

command: docker logs -f eureka-server

```
C:\Eclipse\eclipse\sts-4.32.2.RELEASE\FlightBookingSecurityDocker>docker logs -f eureka-server

:: Spring Boot ::                (v3.5.8)

2025-12-08T06:00:43.411Z INFO 1 --- [eureka-server] [main] com.flightapp.EurekaServerApplication : Starting EurekaServerApplication v0.0.1-SNAPSHOT using Java 17.0.17 with PID 1 (/app/app.jar started by root in /app)
2025-12-08T06:00:43.464Z INFO 1 --- [eureka-server] [main] com.flightapp.EurekaServerApplication : No active profile set, falling back to 1 default profile: "default"
2025-12-08T06:01:08.517Z INFO 1 --- [eureka-server] [main] o.s.cloud.context.scope.GenericScope : BeanFactory id=868b5dbf-1791-3d2d-8b56-d9e253d15442
2025-12-08T06:01:12.786Z INFO 1 --- [eureka-server] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8761 (http)
2025-12-08T06:01:13.009Z INFO 1 --- [eureka-server] [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-12-08T06:01:13.011Z INFO 1 --- [eureka-server] [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.49]
2025-12-08T06:01:13.730Z INFO 1 --- [eureka-server] [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-12-08T06:01:13.759Z INFO 1 --- [eureka-server] [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 28757 ms
2025-12-08T06:01:35.958Z INFO 1 --- [eureka-server] [main] c.n.d.provider.DiscoveryJerseyProvider : Using JSON encoding codec LegacyJacksonJson
2025-12-08T06:01:36.077Z INFO 1 --- [eureka-server] [main] c.n.d.provider.DiscoveryJerseyProvider : Using JSON decoding codec LegacyJacksonJson
2025-12-08T06:01:39.616Z INFO 1 --- [eureka-server] [main] c.n.d.provider.DiscoveryJerseyProvider : Using XML encoding codec XStreamXml
2025-12-08T06:01:39.622Z INFO 1 --- [eureka-server] [main] c.n.d.provider.DiscoveryJerseyProvider : Using XML decoding codec XStreamXml
2025-12-08T06:01:45.090Z INFO 1 --- [eureka-server] [main] o.s.v.b.OptionalValidatorFactoryBean : Failed to set up a Bean Validation provider: jakarta.validation.NoProviderFoundException: Unable to create a Configuration, because no Jakarta Bean Validation provider could be found. Add a provider like Hibernate Validator (RI) to your classpath.
2025-12-08T06:02:02.590Z WARN 1 --- [eureka-server] [main] igation$LoadBalancerCaffeineWarnLogger : Spring Cloud LoadBalancer is currently working with the default cache. While this cache implementation is useful for development and tests, it's recommended to use Caffeine cache in production. You can switch to using Caffeine cache, by adding it and org.springframework.cache.caffeine.CaffeineCacheManager to the classpath.
2025-12-08T06:02:03.053Z INFO 1 --- [eureka-server] [main] o.s.c.n.eureka.InstanceInfoFactory : Setting initial instance status as: STARTING
2025-12-08T06:02:03.599Z INFO 1 --- [eureka-server] [main] com.netflix.discovery.DiscoveryClient : Initializing Eureka in region us-east-1
```

c)Config Server Logs

command: docker logs -f eureka-server

```
Microsoft Windows [Version 10.0.26100.7171]
(c) Microsoft Corporation. All rights reserved.

C:\Eclipse\eclipse\sts-4.32.2.RELEASE\FlightBookingSecurityDocker>docker logs -f config-server

:: Spring Boot ::                (v3.5.8)

2025-12-08T07:04:46.866Z INFO 1 --- [config-server-microservices] [main] c.f.ConfigServerMicroservicesApplication : Starting ConfigServerMicroservicesApplication v0.0.1-SNAPSHOT using Java 17.0.17 with PID 1 (/app/app.jar started by root in /app)
2025-12-08T07:04:46.961Z INFO 1 --- [config-server-microservices] [main] c.f.ConfigServerMicroservicesApplication : No active profile set, falling back to 1 default profile: "default"
2025-12-08T07:05:34.668Z INFO 1 --- [config-server-microservices] [main] o.s.cloud.context.scope.GenericScope : BeanFactory id=ab37d963-941b-36b7-ba00-de7c0fd3d609
2025-12-08T07:05:42.493Z INFO 1 --- [config-server-microservices] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8888 (http)
2025-12-08T07:05:42.719Z INFO 1 --- [config-server-microservices] [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-12-08T07:05:42.720Z INFO 1 --- [config-server-microservices] [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.49]
2025-12-08T07:05:43.462Z INFO 1 --- [config-server-microservices] [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-12-08T07:05:43.500Z INFO 1 --- [config-server-microservices] [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 53623 ms
2025-12-08T07:06:44.433Z INFO 1 --- [config-server-microservices] [main] DiscoveryClientOptionalArgsConfiguration : Eureka HTTP Client uses RestTemplate.
2025-12-08T07:06:49.052Z WARN 1 --- [config-server-microservices] [main] igation$LoadBalancerCaffeineWarnLogger : Spring Cloud LoadBalancer is currently working with the default cache. While this cache implementation is useful for development and tests, it's recommended to use Caffeine cache in production. You can switch to using Caffeine cache, by adding it and org.springframework.cache.caffeine.CaffeineCacheManager to the classpath.
2025-12-08T07:06:49.278Z INFO 1 --- [config-server-microservices] [main] o.s.b.a.e.web.EndpointLinksResolver : Exposing 1 endpoint beneath base path '/actuator'
2025-12-08T07:06:52.912Z INFO 1 --- [config-server-microservices] [main] o.s.c.n.eureka.InstanceInfoFactory : Setting initial instance status as: STARTING
2025-12-08T07:06:53.462Z INFO 1 --- [config-server-microservices] [main] com.netflix.discovery.DiscoveryClient : Initializing Eureka in region us-east-1
2025-12-08T07:06:53.598Z INFO 1 --- [config-server-microservices] [main] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via
```

d)API Gateway Logs

command: docker logs -f api-gateway

```
2025-12-08T07:06:27.720Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
Between]
2025-12-08T07:06:27.724Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
Cookie]
2025-12-08T07:06:27.725Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
Header]
2025-12-08T07:06:27.726Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
Host]
2025-12-08T07:06:27.728Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
Method]
2025-12-08T07:06:27.732Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
Path]
2025-12-08T07:06:27.733Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
Query]
2025-12-08T07:06:27.734Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
ReadBody]
2025-12-08T07:06:27.735Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
RemoteAddr]
2025-12-08T07:06:27.754Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
XForwardedRemoteAddr]
2025-12-08T07:06:27.756Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
Weight]
2025-12-08T07:06:27.759Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [
CloudFoundryRouteService]
2025-12-08T07:06:35.296Z INFO 1 --- [api_gateway_microservices] [    main] o.s.b.a.e.web.EndpointLinksResolver : Exposing 2 endpoint(s) beneath
base path '/actuator'
2025-12-08T07:06:47.967Z INFO 1 --- [api_gateway_microservices] [    main] DiscoveryClientOptionalArgsConfiguration : Eureka HTTP Client uses RestTe
mplate.
2025-12-08T07:06:49.388Z WARN 1 --- [api_gateway_microservices] [    main] igation$LoadBalancerCaffeineWarnLogger : Spring Cloud LoadBalancer is c
urrently working with the default cache. While this cache implementation is useful for development and tests, it's recommended to use Caffeine cache in prod
uction.You can switch to using Caffeine cache, by adding it and org.springframework.cache.caffeine.CaffeineCacheManager to the classpath.
2025-12-08T07:06:51.037Z INFO 1 --- [api_gateway_microservices] [    main] o.s.c.n.eureka.InstanceInfoFactory : Setting initial instance statu
s as: STARTING
2025-12-08T07:06:53.586Z INFO 1 --- [api_gateway_microservices] [    main] com.netflix.discovery.DiscoveryClient : Initializing Eureka in region
us-east-1
2025-12-08T07:06:53.833Z INFO 1 --- [api_gateway_microservices] [    main] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via
configuration
```

e)User Microservice Logs

command: docker logs -f user-microservice

```
2025-12-08T07:07:08.832Z INFO 1 --- [user-microservice] [    main] c.flightapp.UserMicroserviceApplication : Started UserMicroserviceApplication in
147.126 seconds (process running for 169.019)
2025-12-08T07:07:35.432Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2025-12-08T07:07:35.433Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property :
null
2025-12-08T07:07:35.433Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2025-12-08T07:07:35.433Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application is null : false
2025-12-08T07:07:35.433Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero :
true
2025-12-08T07:07:35.433Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application version is -1: true
2025-12-08T07:07:35.433Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Getting all instance registry info fro
m the eureka server
2025-12-08T07:07:35.821Z INFO 1 --- [user-microservice] [beatExecutor-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_USER-MICROSERVICE/59c2
bb321eb5:user-microservice:8080 - Re-registering apps/USER-MICROSERVICE
2025-12-08T07:07:35.821Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : The response status is 200
2025-12-08T07:07:35.821Z INFO 1 --- [user-microservice] [beatExecutor-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_USER-MICROSERVICE/59c2
bb321eb5:user-microservice:8080: registering service...
2025-12-08T07:07:35.881Z INFO 1 --- [user-microservice] [beatExecutor-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_USER-MICROSERVICE/59c2
bb321eb5:user-microservice:8080 - registration status: 204
2025-12-08T07:08:05.823Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2025-12-08T07:08:05.824Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property :
null
2025-12-08T07:08:05.824Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2025-12-08T07:08:05.824Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application is null : false
2025-12-08T07:08:05.824Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero :
true
2025-12-08T07:08:05.824Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application version is -1: false
2025-12-08T07:08:05.824Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Getting all instance registry info fro
m the eureka server
2025-12-08T07:08:05.854Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : The response status is 200
2025-12-08T07:11:54.490Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configu
ration
2025-12-08T07:16:54.508Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configu
ration
2025-12-08T07:21:54.520Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configu
ration
2025-12-08T07:26:54.526Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configu
ration
2025-12-08T07:31:54.613Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configu
ration
2025-12-08T07:36:54.649Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configu
ration
```

f)Flight Microservice logs

command: docker logs -f flight-microservice

```
2025-12-08T09:10:34.647Z INFO 1 --- [flight-microservice] [main] c.f.FlightMicroserviceApplication : Started FlightMicroserviceApplicatio
n in 96.007 seconds (process running for 111.806)
2025-12-08T09:11:01.811Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2025-12-08T09:11:01.812Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property
: null
2025-12-08T09:11:01.813Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2025-12-08T09:11:01.813Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application is null : false
2025-12-08T09:11:01.813Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero
: true
2025-12-08T09:11:01.813Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application version is -1: true
2025-12-08T09:11:01.813Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Getting all instance registry info f
rom the eureka server
2025-12-08T09:11:03.610Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : The response status is 200
2025-12-08T09:11:03.973Z INFO 1 --- [flight-microservice] [beatExecutor-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_FLIGHT-MICROSERVICE/
f4b192dda600:flight-microservice:8081 - Re-registering apps/FLIGHT-MICROSERVICE
2025-12-08T09:11:03.975Z INFO 1 --- [flight-microservice] [beatExecutor-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_FLIGHT-MICROSERVICE/
f4b192dda600:flight-microservice:8081: registering service...
2025-12-08T09:11:04.231Z INFO 1 --- [flight-microservice] [foReplicator-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_FLIGHT-MICROSERVICE/
f4b192dda600:flight-microservice:8081: registering service...
2025-12-08T09:11:04.683Z INFO 1 --- [flight-microservice] [foReplicator-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_FLIGHT-MICROSERVICE/
f4b192dda600:flight-microservice:8081 - registration status: 204
2025-12-08T09:11:04.686Z INFO 1 --- [flight-microservice] [beatExecutor-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_FLIGHT-MICROSERVICE/
f4b192dda600:flight-microservice:8081 - registration status: 204
2025-12-08T09:11:33.611Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2025-12-08T09:11:33.612Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property
: null
2025-12-08T09:11:33.612Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2025-12-08T09:11:33.612Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application is null : false
2025-12-08T09:11:33.613Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero
: true
2025-12-08T09:11:33.613Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application version is -1: false
2025-12-08T09:11:33.613Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Getting all instance registry info f
rom the eureka server
2025-12-08T09:11:33.711Z INFO 1 --- [flight-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : The response status is 200
2025-12-08T09:15:23.676Z INFO 1 --- [flight-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via confi
guration
2025-12-08T09:20:23.637Z INFO 1 --- [flight-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via confi
guration
2025-12-08T09:25:23.668Z INFO 1 --- [flight-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via confi
guration
```

g)Booking Microservice logs

command : docker logs -f booking-microservice

```
2025-12-08T07:07:41.175Z INFO 1 --- [booking-microservice] [main] com.netflix.discovery.DiscoveryClient : The response status is 200
2025-12-08T07:07:41.181Z INFO 1 --- [booking-microservice] [main] com.netflix.discovery.DiscoveryClient : Starting heartbeat executor: renew
interval is: 30
2025-12-08T07:07:41.197Z INFO 1 --- [booking-microservice] [main] c.n.discovery.InstanceInfoReplicator : InstanceInfoReplicator onDemand upd
ate allowed rate per min is 4
2025-12-08T07:07:41.216Z INFO 1 --- [booking-microservice] [main] com.netflix.discovery.DiscoveryClient : Discovery Client initialized at tim
estamp 1765177661203 with initial instances count: 0
2025-12-08T07:07:41.294Z INFO 1 --- [booking-microservice] [main] o.s.c.n.e.s.EurekaServiceRegistry : Registering application BOOKING-MIC
ROSERVICE with eureka with status UP
2025-12-08T07:07:41.306Z INFO 1 --- [booking-microservice] [main] com.netflix.discovery.DiscoveryClient : Saw local status change event Statu
sChangeEvent [timestamp=1765177661305, current=UP, previous=STARTING]
2025-12-08T07:07:41.312Z INFO 1 --- [booking-microservice] [foReplicator-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_BOOKING-MICROSERVIC
E/e731b8b8e638:booking-microservice:8082: registering service...
2025-12-08T07:07:41.703Z INFO 1 --- [booking-microservice] [foReplicator-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_BOOKING-MICROSERVIC
E/e731b8b8e638:booking-microservice:8082 - registration status: 204
2025-12-08T07:07:41.922Z INFO 1 --- [booking-microservice] [main] o.s.b.web.embedded.netty.NettyWebServer : Netty started on port 8082 (http)
2025-12-08T07:07:41.929Z INFO 1 --- [booking-microservice] [main] .s.c.n.e.s.EurekaAutoServiceRegistration : Updating port to 8082
2025-12-08T07:07:42.129Z INFO 1 --- [booking-microservice] [main] c.f.BookingMicroserviceApplication : Started BookingMicroserviceApplicat
ion in 178.474 seconds (process running for 201.615)
2025-12-08T07:08:11.178Z INFO 1 --- [booking-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2025-12-08T07:08:11.179Z INFO 1 --- [booking-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Single vip registry refresh propert
y : null
2025-12-08T07:08:11.182Z INFO 1 --- [booking-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2025-12-08T07:08:11.182Z INFO 1 --- [booking-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application is null : false
2025-12-08T07:08:11.183Z INFO 1 --- [booking-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Registered Applications size is zer
o : true
2025-12-08T07:08:11.183Z INFO 1 --- [booking-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application version is -1: false
2025-12-08T07:08:11.183Z INFO 1 --- [booking-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Getting all instance registry info
from the eureka server
2025-12-08T07:08:11.285Z INFO 1 --- [booking-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : The response status is 200
2025-12-08T07:12:37.995Z INFO 1 --- [booking-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via conf
iguration
2025-12-08T07:17:38.044Z INFO 1 --- [booking-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via conf
iguration
2025-12-08T07:22:38.095Z INFO 1 --- [booking-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via conf
iguration
2025-12-08T07:27:38.370Z INFO 1 --- [booking-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via conf
iguration
2025-12-08T07:32:38.476Z INFO 1 --- [booking-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via conf
iguration
```

h)Notification Microservice Logs

command : docker logs -f notification-microservice

```
tification-microservice-1, groupId=notification-microservice] Subscribed to topic(s): booking-events
2025-12-08T07:07:11.053Z INFO 1 --- [notification-microservice] [main] c.f.NotificationMicroserviceApplication : Started NotificationMicroserviceApplication in 149.673 seconds (process running for 169.204)
2025-12-08T07:07:17.920Z INFO 1 --- [notification-microservice] [ntainer#0-0-C-1] org.apache.kafka.clients.Metadata : [Consumer clientId=consumer-notification-microservice-1, groupId=notification-microservice] Cluster ID: GwhlpGAWsWqEHzy-0cgt3w
2025-12-08T07:07:17.924Z INFO 1 --- [notification-microservice] [ntainer#0-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator : [Consumer clientId=consumer-notification-microservice-1, groupId=notification-microservice] Discovered group coordinator kafka:9092 (id: 2147483646 rack: null)
2025-12-08T07:07:17.947Z INFO 1 --- [notification-microservice] [ntainer#0-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator : [Consumer clientId=consumer-notification-microservice-1, groupId=notification-microservice] (Re-)joining group
2025-12-08T07:07:18.183Z INFO 1 --- [notification-microservice] [ntainer#0-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator : [Consumer clientId=consumer-notification-microservice-1, groupId=notification-microservice] Request joining group due to: need to re-join with the given member-id: consumer-notification-microservice-1-3c7431df-d110-4ad2-acca-64aabf699a25
2025-12-08T07:07:18.184Z INFO 1 --- [notification-microservice] [ntainer#0-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator : [Consumer clientId=consumer-notification-microservice-1, groupId=notification-microservice] (Re-)joining group
2025-12-08T07:07:29.321Z INFO 1 --- [notification-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2025-12-08T07:07:29.322Z INFO 1 --- [notification-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property : null
2025-12-08T07:07:29.322Z INFO 1 --- [notification-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2025-12-08T07:07:29.323Z INFO 1 --- [notification-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application is null : false
2025-12-08T07:07:29.323Z INFO 1 --- [notification-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero : true
2025-12-08T07:07:29.323Z INFO 1 --- [notification-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application version is -1: true
2025-12-08T07:07:29.324Z INFO 1 --- [notification-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Getting all instance registry info from the eureka server
2025-12-08T07:07:31.517Z INFO 1 --- [notification-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : The response status is 200
2025-12-08T07:07:31.666Z INFO 1 --- [notification-microservice] [beatExecutor-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_NOTIFICATION-MICROSERVICE/b7ee33aafc8d:notification-microservice:8083 - Re-registering apps/NOTIFICATION-MICROSERVICE
2025-12-08T07:07:31.667Z INFO 1 --- [notification-microservice] [beatExecutor-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_NOTIFICATION-MICROSERVICE/b7ee33aafc8d:notification-microservice:8083: registering service...
2025-12-08T07:07:32.686Z INFO 1 --- [notification-microservice] [beatExecutor-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_NOTIFICATION-MICROSERVICE/b7ee33aafc8d:notification-microservice:8083 - registration status: 204
2025-12-08T07:07:58.772Z INFO 1 --- [notification-microservice] [ntainer#0-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator : [Consumer clientId=consumer-notification-microservice-1, groupId=notification-microservice] Successfully joined group with generation Generation{generationId=3, memberId='consumer-notification-microservice-1-3c7431df-d110-4ad2-acca-64aabf699a25', protocol='range'}
2025-12-08T07:07:58.837Z INFO 1 --- [notification-microservice] [ntainer#0-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator : [Consumer clientId=consumer-notification-microservice-1, groupId=notification-microservice] Finished assignment for group at generation 3: {consumer-notification-microservice-1-3c7431df-d110-4ad2-acca-64aabf699a25=Assignment(partitions=[booking-events-0])}
2025-12-08T07:07:59.730Z INFO 1 --- [notification-microservice] [ntainer#0-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator : [Consumer clientId=consumer-notification-microservice-1, groupId=notification-microservice] Successfully synced group in generation Generation{generationId=3, memberId='consumer-notifica
```

i)Kafka Bash

command: docker exec -it kafka bash

```
Microsoft Windows [Version 10.0.26100.7171]
(c) Microsoft Corporation. All rights reserved.

C:\Eclipse\eclipse\sts-4.32.2.RELEASE\FlightBookingSecurityDocker>docker exec -it kafka bash
[appuser@2e03fbb4e75b ~]$ kafka-topics --bootstrap-server localhost:9092 --list
__consumer_offsets
booking-events
[appuser@2e03fbb4e75b ~]$ kafka-console-consumer --bootstrap-server localhost:9092 --topic booking-events --from-beginning
{"eventType":"BOOKING_CONFIRMED","pnr":"d85bf186","userEmail":"angadisreenidhi@gmail.com","totalPrice":4800.0}
{"eventType":"BOOKING_CONFIRMED","pnr":"e6e03cc2","userEmail":"angadisreenidhi@gmail.com","totalPrice":4800.0}
{"eventType":"BOOKING_CANCELLED","pnr":"e6e03cc2","userEmail":"angadisreenidhi@gmail.com","totalPrice":4800.0}
|
```

j)Mongo

command:db.user.find()

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.8
Microsoft Windows [Version 10.0.26100.7171]
(c) Microsoft Corporation. All rights reserved.

C:\Eclipse\eclipse\sts-4.32.2.RELEASE\FlightBookingSecurityDocker>docker exec -it mongo mongosh
Current Mongosh Log ID: 6936aa9de4b898abb3ce5f46
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.8
Using MongoDB:      6.0.26
Using Mongosh:      2.5.8

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/

-----
The server generated these startup warnings when booting
2025-12-08T10:29:09.959+00:00: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongodb.org/core/pr
odnotes-filesystem
2025-12-08T10:29:16.982+00:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2025-12-08T10:29:17.022+00:00: vm.max_map_count is too low
-----

test> use userservicedb
switched to db userservicedb
userservicedb> db.user.find().pretty()
[
  {
    _id: ObjectId('69357d7109c6d371ddd304ba'),
    name: 'Greenidhi',
    gender: 'Female',
    age: 20,
    password: '$2a$10$G4TdDkxvSP14XKCSocEnPudXcCleosro2N4bbLKSLFYD0UfY99KPq',
    email: 'angadisreenidhi@gmail.com',
    role: 'USER',
    _class: 'com.flightapp.entity.User'
  }
]
```

Tickets:

```
userservicedb> use bookingservicedb
switched to db bookingservicedb
bookingservicedb> db.tickets.find().pretty()
[
  {
    _id: ObjectId('69357e2b589a90488d46c35d'),
    pnr: 'b450a6af',
    departureFlightId: '69357dbb1d22281f0a9dd7ca',
    tripType: 'ONE_WAY',
    bookingTime: ISODate('2025-12-07T13:16:25.855Z'),
    seatsBooked: '12A',
    userEmail: 'angadisreenidhi@gmail.com',
    totalPrice: 4800,
    canceled: false,
    _class: 'com.flightapp.entity.Ticket'
  },
  {
    _id: ObjectId('69357e66589a90488d46c35f'),
    pnr: 'ad2de472',
    departureFlightId: '69357dbb1d22281f0a9dd7ca',
    tripType: 'ONE_WAY',
    bookingTime: ISODate('2025-12-07T13:17:26.109Z'),
    seatsBooked: '12A',
    userEmail: 'angadisreenidhi@gmail.com',
    totalPrice: 4800,
    canceled: false,
    _class: 'com.flightapp.entity.Ticket'
  }
]
```