

# Docker services and logs

## Docker desktop working

The screenshot shows the Docker Desktop interface. On the left, a sidebar lists various sections: 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' with a 'Give feedback' link. It displays 'Container CPU usage' at 6.09% / 800% (8 CPUs available) and 'Container memory usage' at 2.53GB / 3.62GB. A search bar and a filter button ('Only show running containers') are present. A table lists 18 containers, each with a status icon, name, container ID, image, port(s), CPU (%), last started, and actions (refresh, stop, start, etc.). The table includes columns for Name, Container ID, Image, Port(s), CPU (%), Last started, and Actions. The last row shows 'Showing 18 items'. At the bottom, status information is provided: Engine running, RAM 3.52 GB, CPU 1.63%, Disk: 12.58 GB used (limit 1006.85 GB). There are also links for Terminal and Update available.

## Docker log files

### a) To list the containers

command : docker ps

The screenshot shows a Windows Command Prompt window titled 'C:\Windows\System32\cmd.e'. The command 'docker ps' is run, listing 18 containers. The table includes columns for CONTAINER ID, IMAGE, NAMES, COMMAND, CREATED, STATUS, and PORTS. The output shows various Java applications running on different ports, including api-gateway, flight-microservice, booking-microservice, notification-microservice, config-server, mongo, eureka-server, and zookeeper.

CONTAINER ID	IMAGE	NAMES	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	api-gateway					
1ca6ff768a4f	flightbookingsecuritydocker-flight-microservice		"java -jar app.jar"	20 minutes ago	Up 20 minutes	0.0.0.0:8081->8081/tcp, [::]
]:8081->8081/tcp	flight-microservice					
489c4f169b30	flightbookingsecuritydocker-booking-microservice		"java -jar app.jar"	20 minutes ago	Up 20 minutes	0.0.0.0:8082->8082/tcp, [::]
]:8082->8082/tcp	booking-microservice					
bcd219ceec	flightbookingsecuritydocker-notification-microservice		"java -jar app.jar"	20 minutes ago	Up 20 minutes	0.0.0.0:8083->8083/tcp, [::]
]:8083->8083/tcp	notification-microservice					
86b77211372a	flightbookingsecuritydocker-user-microservice		"java -jar app.jar"	20 minutes ago	Up 20 minutes	0.0.0.0:8080->8080/tcp, [::]
]:8080->8080/tcp	user-microservice					
bb6ef2752c05	flightbookingsecuritydocker-config-server		"java -jar app.jar"	20 minutes ago	Up 20 minutes	0.0.0.0:8888->8888/tcp, [::]
]:8888->8888/tcp	config-server					
1f0b058a23a3	flightbookingsecuritydocker-eureka-server		"java -jar app.jar"	20 minutes ago	Up 20 minutes	0.0.0.0:8761->8761/tcp, [::]
]:8761->8761/tcp	eureka-server					
2e03fbb4e75b	confluentinc/cp-kafka:7.6.1		"./etc/confluent/docker/run.sh start kafka"	17 hours ago	Up 20 minutes	0.0.0.0:9092->9092/tcp, [::]
]:9092->9092/tcp	kafka					
af67aed8180b	mongo:6.0		"docker-entrypoint.s..."	17 hours ago	Up 20 minutes	0.0.0.0:27017->27017/tcp, [::]
]:27017->27017/tcp	mongo					
a53a34d757a2	confluentinc/cp-zookeeper:7.6.1		"./etc/confluent/docker/run.sh start zookeeper"	17 hours ago	Up 20 minutes	0.0.0.0:2181->2181/tcp, [::]
]:2181->2181/tcp	zookeeper					

## 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] i.guration$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 config-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
2025-12-08T07:06:44.233Z INFO 1 --- [config-server-microservices] [           main] DiscoveryClientOptionalArgsConfiguration : Eureka HTTP Client uses RestTemplate.
2025-12-08T07:06:49.052Z WARN 1 --- [config-server-microservices] [           main] i.guration$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 v
```

## 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 RestTemplate.
2025-12-08T07:06:49.388Z WARN 1 --- [api_gateway_microservices] [main] Configuration$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.
2025-12-08T07:06:51.037Z INFO 1 --- [api_gateway_microservices] [main] o.s.c.n.eureka.InstanceInfoFactory : Setting initial instance status 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
2025-12-08T07:07:35.432Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property :
null
2025-12-08T07:07:35.432Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2025-12-08T07:07:35.432Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application is null : false
2025-12-08T07:07:35.432Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero :
true
2025-12-08T07:07:35.432Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Application version is -1: true
2025-12-08T07:07:35.432Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : Getting all instance registry info from 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 from the eureka server
2025-12-08T07:08:05.854Z INFO 1 --- [user-microservice] [reshExecutor-%d] com.netflix.discovery.DiscoveryClient : The response status is 200
2025-12-08T07:11:54.498Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2025-12-08T07:16:54.508Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2025-12-08T07:21:54.520Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2025-12-08T07:26:54.526Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2025-12-08T07:31:54.613Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2025-12-08T07:36:54.649Z INFO 1 --- [user-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
```

## 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 FlightMicroserviceApplication
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 from 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/
#4b192dda600:flight-microservice:8081 - Re-registering apps/FLIGHT-MICROSERVICE
#4b192dda600:flight-microservice:8081: registering service...
2025-12-08T09:11:04.231Z INFO 1 --- [flight-microservice] [foReplicator-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_FLIGHT-MICROSERVICE/
#4b192dda600:flight-microservice:8081: registering service...
2025-12-08T09:11:04.683Z INFO 1 --- [flight-microservice] [foReplicator-%d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_FLIGHT-MICROSERVICE/
#4b192dda600: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/
#4b192dda600: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
2025-12-08T09:11:33.612Z 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 from 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 configuration
2025-12-08T09:20:23.637Z INFO 1 --- [flight-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2025-12-08T09:25:23.668Z INFO 1 --- [flight-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
```

## 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.d.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 prop
erty : 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
2025-12-08T07:08:11.182Z 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 config
uration
2025-12-08T07:17:38.044Z INFO 1 --- [booking-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via config
uration
2025-12-08T07:22:38.095Z INFO 1 --- [booking-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via config
uration
2025-12-08T07:27:38.370Z INFO 1 --- [booking-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via config
uration
2025-12-08T07:32:38.476Z INFO 1 --- [booking-microservice] [rap-executor-%d] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via config
```

## **h)Notification Microservice Logs**

**command :** docker logs -f notification-microservice

```
notification-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 : 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-notification-microservice-1-3c7431df-d110-4ad2-acca-64aabf699a25', protocol='range'}
```

## **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@2e03fbbe75b ~]$ kafka-topics --bootstrap-server localhost:9092 --list
__consumer_offsets
booking-events
[appuser@2e03fbbe75b ~]$ kafka-console-consumer --bootstrap-server localhost:9092 --topic booking-events --from-beginning
{"eventType": "BOOKING_CONFIRMED", "pn": "d85bf186", "userEmail": "angadisreenidhi@gmail.com", "totalPrice": 4800.0}
{"eventType": "BOOKING_CONFIRMED", "pn": "e6e03cc2", "userEmail": "angadisreenidhi@gmail.com", "totalPrice": 4800.0}
{"eventType": "BOOKING_CANCELLED", "pn": "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
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": "Sreenidhi",
    "gender": "Female",
    "age": 20,
    "password": "$2a$10$G4TdDkxvSP14XKCSoCEnPubXcCleosro2N4bbLKSLFYD0UFY99KPq",
    "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"
  }
]
```