

Было создано два сервиса и docker-compose для локального запуска

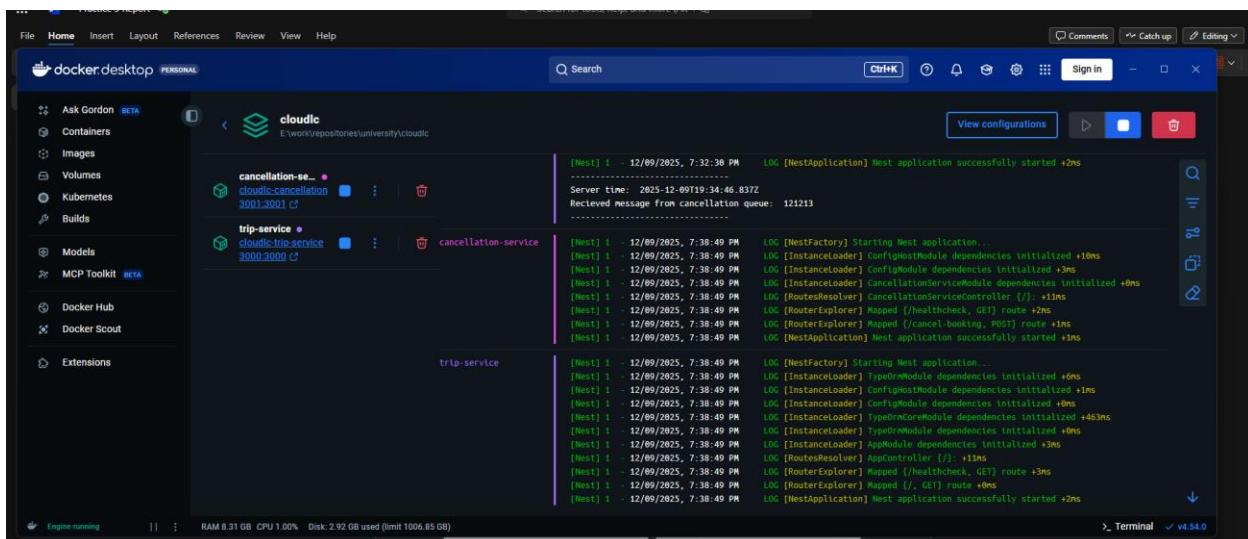
The screenshot shows a code editor with several files open. The main file is `docker-compose.yaml`, which defines two services: `cancellation-service` and `trip-service`. The `cancellation-service` uses a Dockerfile located at `/apps/cancellation-service/Dockerfile` and maps port 3001 to 3001. The `trip-service` uses a Dockerfile located at `/apps/trip-service/Dockerfile` and maps port 3000 to 3000. Both services have a restart policy of `unless-stopped`.

```
version: '3'
services:
  cancellation-service:
    build:
      context: .
      dockerfile: ./apps/cancellation-service/Dockerfile
    env_file:
      - ./apps/cancellation-service/.env # твой локальный .env
    ports:
      - "3001:3001"
    restart: unless-stopped
  trip-service:
    build:
      context: .
      dockerfile: ./apps/trip-service/Dockerfile
    env_file:
      - ./apps/trip-service/.env # твой локальный .env
    ports:
      - "3000:3000"
    restart: unless-stopped
```

Below the code editor is a terminal window showing the logs of the running containers. It shows the `cancellation-service` and `trip-service` containers starting up, with log entries indicating dependencies initialized and Nest applications successfully started.

```
[Nest] 1 - [12/09/2025, 7:32:30 PM] LOG [InstanceLoader] ConfigModule dependencies initialized +1ms
[Nest] 1 - [12/09/2025, 7:32:30 PM] LOG [InstanceLoader] TypeOrmCoreModule dependencies initialized +402ms
[Nest] 1 - [12/09/2025, 7:32:30 PM] LOG [InstanceLoader] TypeOrmModule dependencies initialized +0ms
[Nest] 1 - [12/09/2025, 7:32:30 PM] LOG [InstanceLoader] AppModule dependencies initialized +0ms
```

После запуска docker compose up мы имеем контейнер cloud-lc с двумя сервисами в контейнере



Проверяем что сервисы доступны снаружи докера

The image displays two separate Swagger UI interfaces. The left interface is for the 'Trip Service API' (version 1.0 OAS 3.0), which includes an 'App' section with two endpoints: a GET endpoint for '/healthcheck' labeled 'Healthcheck endpoint' and another GET endpoint for '/' labeled 'Get database records endpoint'. The right interface is for the 'Cancellation Service API' (version 1.0 OAS 3.0), which includes a 'CancellationService' section with a GET endpoint for '/healthcheck' labeled 'Healthcheck endpoint' and a POST endpoint for '/cancel-booking' labeled 'Cancel booking endpoint'. Both interfaces are titled 'OAS 3.0'.

Останавливаем сервис TripService (получатель) и отправляем сообщение с CancellationService

The image shows a browser window displaying an 'ERR_CONNECTION_REFUSED' error message, indicating that the service at localhost:3001 is not responding. To the right of the browser, the 'Cancellation Service API' (version 1.0 OAS 3.0) is shown in the Swagger UI. The 'CancellationService' section contains a POST endpoint for '/cancel-booking' labeled 'Cancel booking endpoint'. Below the endpoint, there are sections for 'Parameters' (which is empty) and 'Request body' (which is required and set to 'application/json'). A JSON editor shows the following request body:

```
{ "orderId": "MySuperMessage" }
```

Below the JSON editor is a large blue 'Execute' button, and further down is a 'Responses' section.

Видим ожидающее сообщение в Service Bus (Сообщение отправлено сервисом, но получатель выключен)

Microsoft Azure

Home > cancellation-queue (cancelation/cancellation-queue)

cancellation-queue (cancelation/cancellation-queue) | Service Bus Explorer

Service Bus Queue

Search

Peek Mode | Send messages | Refresh

Queue (1) Dead-letter (0)

Peek from start | Peek next messages | Peek with options | Re-send selected messages | Download selected message body

Showing 1 of 1 messages

Sequence Number	Message ID	Enqueued Time	Delivery Count	State	Body Size	Label/Subject	Message Text
6	140d16e233e443e0af565ca6c5a27d2	Tue, Dec 09, 25, 08:42:29 PM GM...	0	Active	16 B		"MySuperMessage"

Message Body | Message Properties

Select a message to see its details.

Включаем получателя

docker:desktop PERSONAL

Ask Gordon BETA

Containers

Volumes

Kubernetes

Builds

Models

MCP Toolkit BETA

Docker Hub

Docker Scout

Extensions

cloudic

E:\work\repositories\university\cloudic

View configurations

cancellation-se... trip-service

cloudic-cancellation 3001:3001

trip-service cloudic-trip-service 3000:3000

```
[Nest] 1 : 12/09/2025, 7:43:52 PM LOG [NestFactory] Starting Nest application...
[Nest] 1 : 12/09/2025, 7:43:52 PM LOG [InstanceLoader] TypeOrmModule dependencies initialized +7ms
[Nest] 1 : 12/09/2025, 7:43:52 PM LOG [InstanceLoader] ConfigHostModule dependencies initialized +0ms
[Nest] 1 : 12/09/2025, 7:43:52 PM LOG [ConfigModule] ConfigModule dependencies initialized +0ms
[Nest] 1 : 12/09/2025, 7:43:53 PM LOG [InstanceLoader] TypeOrmCoreModule dependencies initialized +484ms
[Nest] 1 : 12/09/2025, 7:43:53 PM LOG [InstanceLoader] TypeOrmModule dependencies initialized +0ms
[Nest] 1 : 12/09/2025, 7:43:53 PM LOG [InstanceLoader] AppModule dependencies initialized +0ms
[Nest] 1 : 12/09/2025, 7:43:53 PM LOG [RoutesResolver] AppController ()::: +2ms
[Nest] 1 : 12/09/2025, 7:43:53 PM LOG [RouterExplorer] Mapped {}(healthcheck, GET) route +3ms
[Nest] 1 : 12/09/2025, 7:43:53 PM LOG [RouterExplorer] Mapped {}, GET route +0ms
[Nest] 1 : 12/09/2025, 7:43:53 PM LOG [NestApplication] Nest application successfully started +2ms
-----
Server time: 2025-12-09T19:41:53.487Z
Received message from cancellation queue: MySuperMessage
```

Engine running | RAM 8.25 GB CPU 1.25% Disk: 2.92 GB used (limit 1006.85 GB) | Terminal v4.54.0

Отправляем второе сообщение в 8:44PM

Видим в консоле docker полученное сообщение с серверным временем

```

[Nest] 1 - 12/09/2025, 7:43:52 PM    LOG [NestFactory] Starting Nest application...
[Nest] 1 - 12/09/2025, 7:43:52 PM    LOG [InstanceLoader] TypeORMModule dependencies initialized +7ms
[Nest] 1 - 12/09/2025, 7:43:52 PM    LOG [InstanceLoader] ConfigModule dependencies initialized +0ms
[Nest] 1 - 12/09/2025, 7:43:52 PM    LOG [InstanceLoader] ConfigModule dependencies initialized +0ms
[Nest] 1 - 12/09/2025, 7:43:53 PM    LOG [InstanceLoader] TypeORMCoreModule dependencies initialized +484ms
[Nest] 1 - 12/09/2025, 7:43:53 PM    LOG [InstanceLoader] TypeORMModule dependencies initialized +0ms
[Nest] 1 - 12/09/2025, 7:43:53 PM    LOG [InstanceLoader] AppModule dependencies initialized +3ms
[Nest] 1 - 12/09/2025, 7:43:53 PM    LOG [InstanceLoader] AppController dependencies initialized +0ms
[Nest] 1 - 12/09/2025, 7:43:53 PM    LOG [RouterExplorer] Mapped {/. GET} route +3ms
[Nest] 1 - 12/09/2025, 7:43:53 PM    LOG [RouteResolver] AppController {/.}: +12ms
[Nest] 1 - 12/09/2025, 7:43:53 PM    LOG [NestApplication] Nest application successfully started +2ms

Server time: 2025-12-09T19:43:53.487Z
Received message from cancellation queue: MySuperMessage
-----
Server time: 2025-12-09T19:44:28.656Z
Received message from cancellation queue: MySuperMessage2

```

Нахожусь я в GMT+1, соответственно время совпадает