

INFRASTRUCTURE

Containers

Container	Services	Images	Exposed ports
API Gateway	api-gateway	node 18.18	8080 (localhost)
Auth	auth	python:3.11.6	9701 (network)
Client-BE	client-be	openjdk:17	9702 (network)
Client-BE	mysql-client	mysql:8.0.34	3306 (internal)
Farmer-BE	farmer-be	openjdk:17	9703 (network)
Farmer-BE	mysql-farmer	mysql:8.0.34	3306 (internal)
Order-BE	order-be	openjdk:17	9704 (network)
Order-BE	mysql-order	mysql:8.0.34	3306 (internal)
Image Server	image-server	python:3.11.6	9705 (network)
Client-FE	client-fe	node:18	4201 (localhost)
Farmer-FE	farmer-fe	node:18	4202 (localhost)
Admin-FE	admin-fe	node:18	4203 (localhost)

EXPOSED PORTS LEGEND

- Localhost: The port is exposed on localhost
- Network: The service is reachable through the port only using docker networks
- Internal: The service is available only from inside the container through internal docker networks

Networks

- API Gateway
 - g-auth (Bridge network with Auth container)
 - g-client-be (Bridge network with Client-BE container)
 - g-farmer-be (Bridge network with Farmer-BE container)
 - g-order-be (Bridge network with Order-BE container)
 - g-images (Bridge network with ImageServer container)
- Auth Server
 - a-farmer-be (Bridge network with Farmer-BE container)
 - a-client-be (Bridge network with Client-BE container)
 - a-order-be (Bridge network with Order-BE container)