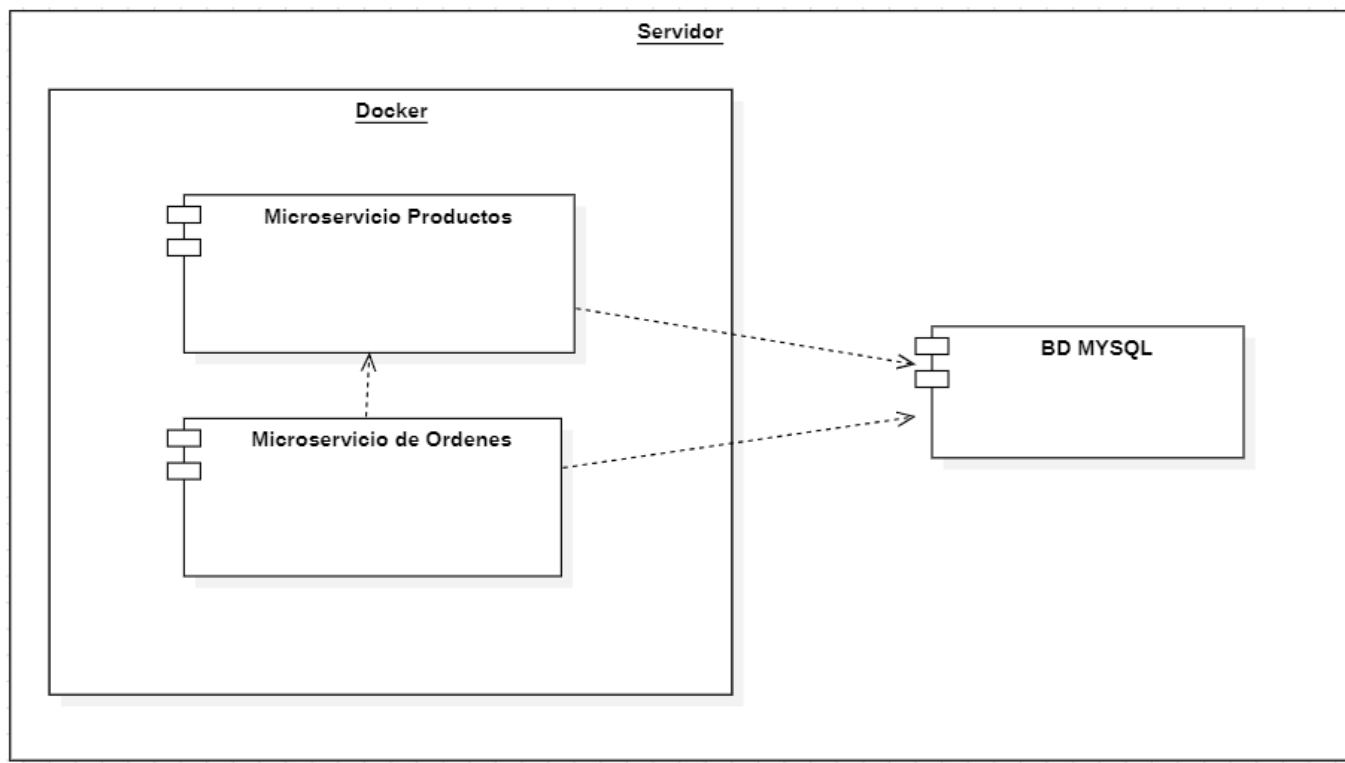


















Diagrama



Despliegue de docker-compose

```
PS C:\Ang17\microservices> docker-compose up --build -d
[+] Building 0.0s (0/0)  docker:default
[+] Building 64.6s (19/19) FINISHED
=> [product-service internal] load build definition from Dockerfile
=> => transferring dockerfile: 215B
=> [order-service internal] load build definition from Dockerfile
=> => transferring dockerfile: 215B
=> [order-service internal] load metadata for docker.io/library/node:20-slim
=> [product-service internal] load .dockerignore
=> => transferring context: 110B
=> [order-service internal] load .dockerignore
=> => transferring context: 96B
=> [product-service internal] load build context
=> => transferring context: 728.95kB
=> [order-service 1/6] FROM docker.io/library/node:20-slim@sha256:f44fa8d6d0ef15fe252459ac5d3d178362231a7948d7d07e147bae891006e2e5
=> [order-service internal] load build context
=> => transferring context: 386.42kB
=> CACHED [product-service 2/6] WORKDIR /app
=> CACHED [order-service 3/6] COPY package*.json ./
=> CACHED [order-service 4/6] RUN npm install
=> [order-service 5/6] COPY . .
=> [product-service 3/6] COPY package*.json ./
=> [order-service 6/6] RUN npm run build
=> [product-service 4/6] RUN npm install
=> [order-service] exporting to image
=> => exporting layers
=> => writing image sha256:6f5f7daa48197a50bf8e0cfc9f48e492f00aceb50f8852991eec39d51d0756cf
=> => naming to docker.io/library/microservices-order-service
=> [product-service 5/6] COPY . .
=> [product-service 6/6] RUN npm run build
=> [product-service] exporting to image
=> => exporting layers
=> => writing image sha256:3caa4f5f8498b9f9f8e0ffaa2f3a452100d4c71c296824edec5e613e8b157fd2dd
=> => naming to docker.io/library/microservices-product-service
[+] Running 2/3
 - Network microservices_app-network Created
 ✓ Container product-service Started
 ✓ Container order-service Started
PS C:\Ang17\microservices>
```

Docker desktop

 microservices	Running (2/2)	0%	24 minutes ago	  
 product-service d3e9dd51279a 	microservices-product-se Running	0%	3002:3002  Show all ports (2) 24 minutes ago	  
 order-service ebf1b41a3296 	microservices-order-servi Running	0%	3000:3000  Show all ports (2) 24 minutes ago	  

Productos

Crear

testing / product / createProduct

POST

http://localhost:3002/products/createProduct

ParamsAuthorizationHeaders (9)BodyScriptsSettings

none

form-data

x-www-form-urlencoded

raw

binary

1

{

2

"name": "Caja de Huevos AAA",

3

"stock": 100,

4

"price": 15000

5

}

BodyCookiesHeaders (5)Test Results

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"message": "Registrado",

3

"timestamp": "2024-12-19T18:39:50.814Z",

4

"success": true,

5

"data": {

6

"name": "Caja de Huevos AAA",

7

"stock": 100,

8

"price": 15000,

9

"id": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603"

10

}

11

}

products 1

select * from products

Enter a SQL expression to filter results (use Ctrl+Space)

Grilla

A-Z id

A-Z name

123 stock

123 price

1

a039a5e3-7f78-4762-9cdc-5cbe5db5e603

Caja de Huevos AAA

100

15.000

Consultar listado

GET

http://localhost:3002/products/getAllProducts

ParamsAuthorizationHeaders (7)BodyScriptsSettings

BodyCookiesHeaders (5)Test Results

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"message": "Consultado",

3

"timestamp": "2024-12-19T18:40:14.375Z",

4

"success": true,

5

"data": [

6

{

7

"id": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",

8

"name": "Caja de Huevos AAA",

9

"stock": "100.00",

10

"price": "15000.00"

11

}

12

]

13

}

Consultar por ID

GET

http://localhost:3002/products/getProductById/a039a5e3-7f78-4762-9cdc-5cbe5db5e603

ParamsAuthorizationHeaders (7)BodyScriptsSettings

BodyCookiesHeaders (5)Test Results

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"message": "Consultado",

3

"timestamp": "2024-12-19T18:41:22.356Z",

4

"success": true,

5

"data": {

6

"id": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",

7

"name": "Caja de Huevos AAA",

8

"stock": "100.00",

9

"price": "15000.00"

10

}

11

}

Actualizar stock

PATCH

http://localhost:3002/products/updateStockProduct

ParamsAuthorizationHeaders (9)BodyScriptsSettings

none

form-data

x-www-form-urlencoded

raw

binary

1

{

2

"id": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",

3

"stock": 200

4

}

BodyCookiesHeaders (5)Test Results

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"message": "Actualizado",

3

"timestamp": "2024-12-19T18:44:10.601Z",

4

"success": true,

5

"data": {

6

"id": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",

7

"name": "Caja de Huevos AAA",

8

"stock": 200,

9

"price": "15000.00"

10

}

11

}

products 1

select * from products

Enter a SQL expression to filter results (use Ctrl+Space)

Grilla

A-Z id

A-Z name

123 stock

123 price

1

a039a5e3-7f78-4762-9cdc-5cbe5db5e603

Caja de Huevos AAA

200

15.000

Ordenes

Registrar orden

POST

http://127.0.0.1:3000/orders/createOrder

Params

Authorization

Headers (9)

Body

Scripts

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

1 {

2 "listOrder": [

3 {

4 "idProduct": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",

5 "countOrder": 100

6 },

7 {

8 "idProduct": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",

9 "countOrder": 100

10 }

11]

12 }

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

JSON

1 {

2 "message": "Registrado",

3 "timeStamp": "2024-12-19T18:50:43.625Z",

4 "success": true,

5 "data": [

6 {

7 "idProduct": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",

8 "countOrder": 100,

9 "id": "bf869044-143f-46bf-b8ca-c3a5bb8a201e"

10 },

11 {

12 "idProduct": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",

13 "countOrder": 100,

14 "id": "f63df3b7-94c3-44b7-80ae-367298e29c30"

15 }

16]

17 }

products 1

select * from products

	A-Z id	A-Z name	123 stock	123 price
1	a039a5e3-7f78-4762-9cdc-5cbe5db5e603	Caja de Huevos AAA	0	15.000

PD: Al Registrar 200 unidades del mismo producto, se restaron.
En caso de que se haya registrado en 1 registro 100 y en el otro 200, da un total 300 y en stock hay 200, esta validación también es realizada por el sistema

POST

http://127.0.0.1:3000/orders/createOrder

Params

Authorization

Headers (9)

Body

Scripts

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1 {
2   "listOrder": [
3     {
4       "idProduct": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",
5       "countOrder": 100
6     },
7     {
8       "idProduct": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",
9       "countOrder": 100
10    }
11  ]
12 }
```

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "message": "La cantidad solicitada para el producto Caja de Huevos AAA supera el stock disponible. Solo hay 0.00 unidades disponibles.",
3   "timeStamp": "2024-12-19T18:52:41.666Z",
4   "success": false,
5   "data": {}
6 }
```

Listado de ordenes

GET

http://127.0.0.1:3000/orders/getAllOrders

Params

Authorization

Headers (9)

Body

Scripts

Settings

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "message": "Consultado",
3   "timeStamp": "2024-12-19T18:53:17.530Z",
4   "success": true,
5   "data": [
6     {
7       "id": "bf869044-143f-46bf-b8ca-c3a5bb8a201e",
8       "idProduct": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",
9       "countOrder": "100.00",
10      "txtProduct": "Caja de Huevos AAA"
11    },
12    {
13      "id": "f63df3b7-94c3-44b7-80ae-367298e29c30",
14      "idProduct": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",
15      "countOrder": "100.00",
16      "txtProduct": "Caja de Huevos AAA"
17    }
18  ]
19 }
```

Detalle de una orden por su id

GET http://127.0.0.1:3000/orders/getOrderByld/bf869044-143f-46bf-b8ca-c3a5bb8a201e

Params Authorization Headers (9) Body ● Scripts Settings

Body Cookies Headers (5) Test Results ↺

Pretty Raw Preview Visualize JSON ≡

```
1  {
2    "message": "Consultado",
3    "timeStamp": "2024-12-19T18:53:53.800Z",
4    "success": true,
5    "data": {
6      "id": "bf869044-143f-46bf-b8ca-c3a5bb8a201e",
7      "idProduct": "a039a5e3-7f78-4762-9cdc-5cbe5db5e603",
8      "countOrder": "100.00",
9      "txtProduct": "Caja de Huevos AAA"
10   }
11 }
```