Microservices Project

Microservice 1: Products

Have its own db - h2 db

API

GET / - get all products - pagination response

POST / - create new product

GET /{id} - get product details

PUT /{id} - update product details

Events

IN: Decrease quantity because of order created

OUT: Get Products for Order API

Request {products=[1, 22, 18, 35]}

Response [{id, name, description, price}]

Product Data

id

name

description

price

quantityAvaliable

Microservice 2: Orders

have its own db - h2 db

API

GET / - Get all orders - pagination response

POST / - Create new order

GET /{id} - Get order details

eg.

id: 1

items: [{product: product 1 fields, quantity: 1} , {product: product 2 field, quanity: 1}]

total: 50000

status: CREATED

Events

IN: Update Order Status

Order Data

id

items: [{product_id, quantity}]

total

status - enum {CREATED, SHIPPED, CLOSED, CANCELLED}

eg.

id: 1

items: [{1, 1} , {2, 1 }, {3, 8}]

total: 50000

status: CREATED

Example Workflow

/orders/1 - Get order details for order 1

Get order 1 from db - products = 1,2,3

get product list from Events - 1,2,3

combine the data and respond with the data