

Instrument Project

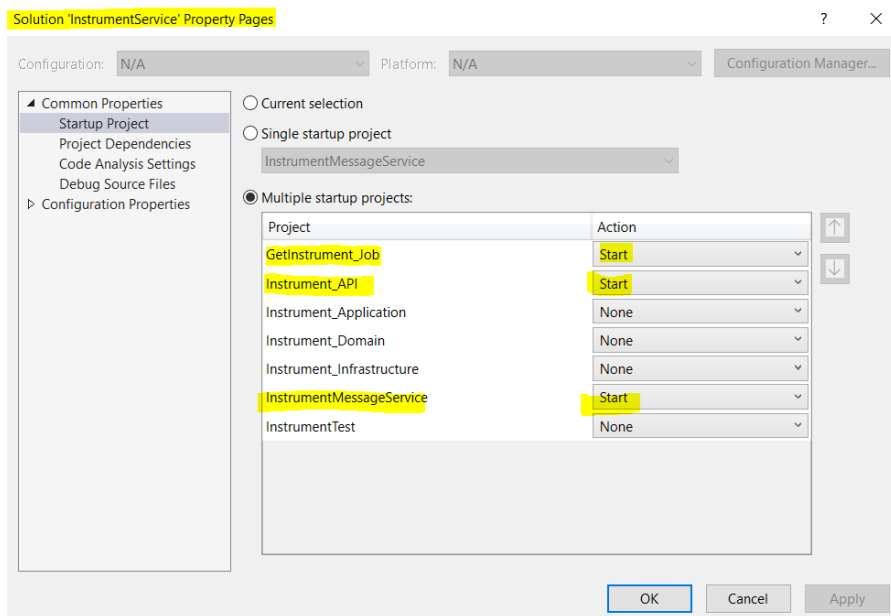
To run this project, you should have Redis and RabbitMQ on your pc.
You can run them on your docker.

```
docker run -it --rm --name rabbitmq -p 5672:5672 -p 15672:15672 rabbitmq:3.10-management
```

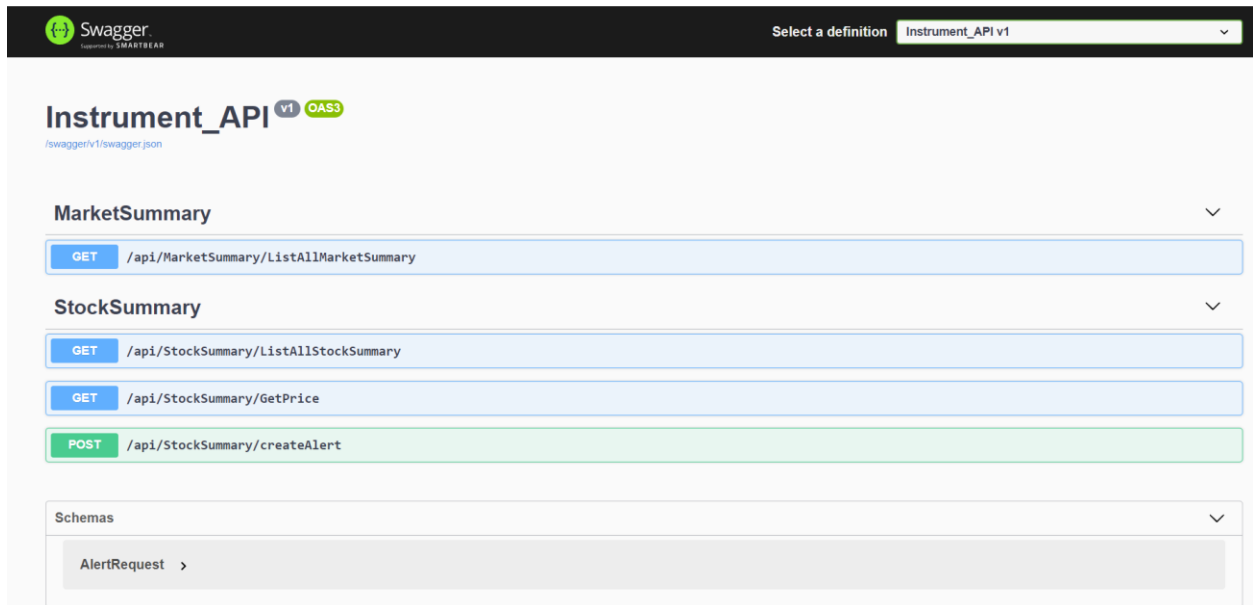
```
docker run -d --name redis-stack-server -p 6379:6379 redis/redis-stack-server:latest
```

Firstly, you should create your DB, Tables and Stored procedures.
After creating “Instrument_DB” DB, you can execute instrumentProjectDB.sql script.

Then you can start 3 projects with Multiple Startup Project option.



After that you can test your APIs.



The image shows the Swagger UI for the Instrument_API v1. The top bar includes the Swagger logo and a dropdown menu set to 'Instrument_API v1'. The main content area displays the API definition for 'Instrument_API v1' (OAS3). It lists two main sections: 'MarketSummary' and 'StockSummary'. Under 'MarketSummary', there is a GET endpoint: '/api/MarketSummary/ListAllMarketSummary'. Under 'StockSummary', there are two GET endpoints: '/api/StockSummary/ListAllStockSummary' and '/api/StockSummary/GetPrice', and one POST endpoint: '/api/StockSummary/createAlert'. A 'Schemas' section is also visible, showing a schema for 'AlertRequest'.

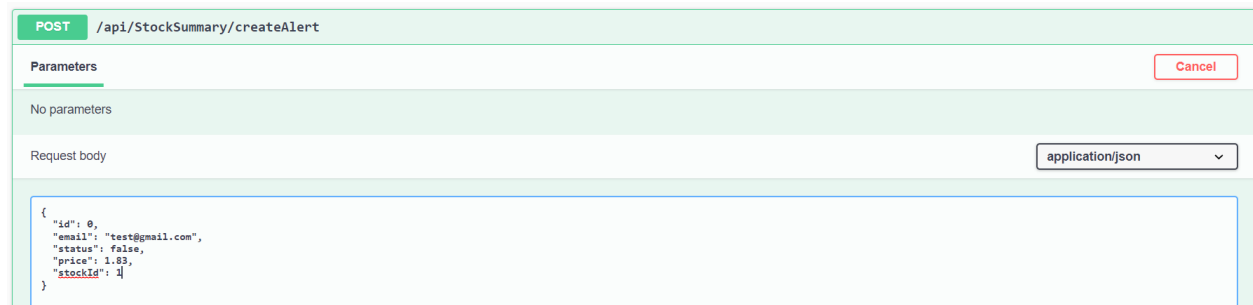
To create an alert subscription, you should set email,status,price and stockId.

email: your email

status: it shows whether you get notification or not. Firstly, it should be set as 'false'.

price: your alert price

stockId: it shows which stock you created an alert



The image shows the Swagger UI interface for testing the POST endpoint '/api/StockSummary/createAlert'. The 'Parameters' section is empty, and the 'Request body' section is set to 'application/json'. The request body is a JSON object with the following structure:

```
{
  "id": 0,
  "email": "test@gmail.com",
  "status": false,
  "price": 1.53,
  "stockId": 1
}
```