ExchangeAPI ReadMe

About the project

Run the application

- Type in your terminal:

git clone https://github.com/xaviqo/exchangeapi.git

- Launch the following command form the project root directory:

mvn spring-boot:run

Available endpoints

- [GET] Get exchange rate from Currency A to Currency B:

/v1/exchange-rate/**currency_a**/**currency_b**

- [GET] Get all exchange rates from Currency A:

/v1/all-rates/**currency_a**

- [GET] Get value conversion from Currency A to Currency B:

/v1/value-conversion/**currency_a**/**currency_b**/**amount**

- [POST] Get value conversion from Currency A to a list of supplied currencies:

/v1/multiple-values-conversion

Example payload:

{ "from":"EUR", "amountTo":10, "targetCurrencies":["GBP","HRK","MXN"] }

- [GET] Application health check:

/v1/health-check

Test API with Swagger:

http://localhost:8080/swagger-ui/index.html

Configurable parameters

In the application.properties file there are some parameters that can be adjusted

- **exchange-rate.host.time-out-sec**: Threshold for external API response
- **exchange-rate.host.base**: Base URL of the external API
- **exchange-rate.host.end-point.rates**: Endpoint path to get the latest exchange rates
- **exchange-rate.host.end-point.symbols**: Endpoint path to obtain the available currency codes
- **api.cfg.base-currency**: ISO code of the currency that we will use for the conversion of values and for integration calls
- **api.cfg.cache.ttl-ms**: Time to live in milliseconds of the cached data