

Golang Test Task

- You will need docker and docker-compose for this task
- Fork the repository <https://github.com/catbyte-GmbH/golang-test-task> and run `docker-compose up -d` to start the docker containers
- Goal is to create 3 applications within the project as described below

Application 1: API (please use gin)

POST Endpoint: /message

POST body: { sender: String, receiver: String, message: String }

-> pushes received information to a RabbitMQ Queue

Return OK Status if everything is there, otherwise Bad Request

Application 2: MessageProcessor

Subscribes to queue from RabbitMQ and processes the message

Processing of message means saving the message to Redis in a way that application 3 works.

Application 3: Reporting API

GET Endpoint: /message/list

Parameters: sender: String, receiver String

Returns an array of objects with sender, receiver and message content that were exchanged between sender and receiver in chronological descending order

Please commit your results to your own repository.

Good Luck!