Distributed Software Architecture Lab 2 Report

# GOALS

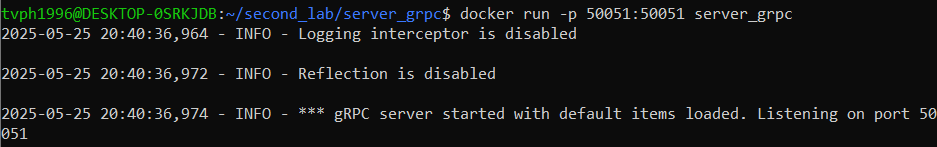
The purpose of this project is to get used to gRPC and analyze the difference in performance between gRPC and REST.

# github

<https://github.com/tvph1996/second_lab>

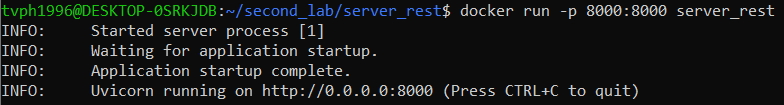
# output

#### gRPC-server starts



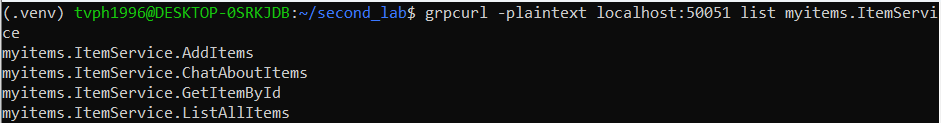
Port 50521

#### REST-server starts



Port 8000

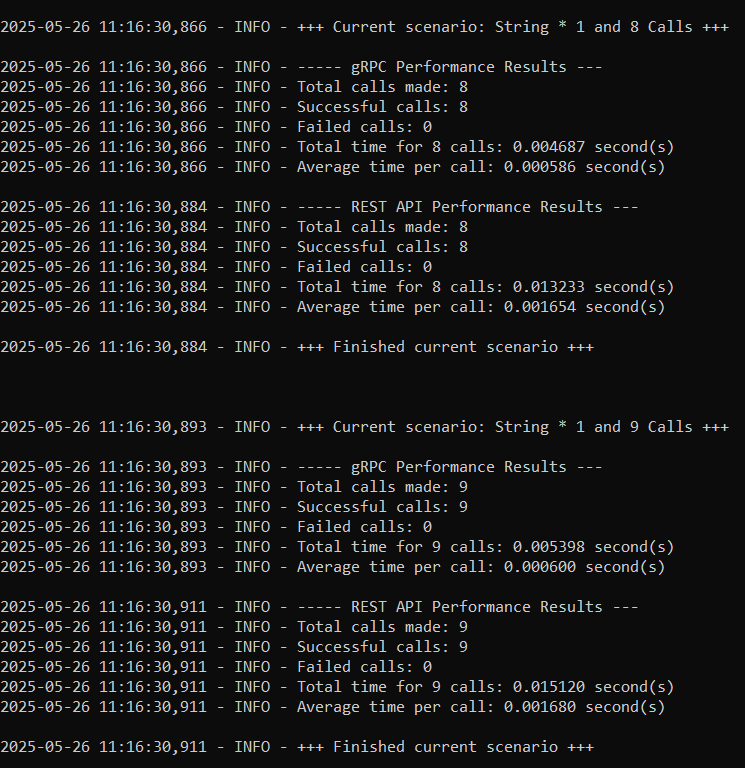
#### gRPC-server Reflector



#### gRPC-server Interceptor Logging

#### gRPC-client interacting with gRPC-server

#### Performance Test Output



# PERFORMANCE TEST

To make the comparison more precise:

* REST-server is rebuilt using FastAPI instead of Flask to reduce overhead.
* Make sure the logic of GetItem method and the measurement is the same.