

Deployment Document

Backend (app_serve)

Configuration of backend code

You need to change the global configuration according to the actual situation. The filepath is app_serve/src/main/resources/application.yml.

```
spring:
  datasource:
    driverClassName: com.mysql.cj.jdbc.Driver
    url: jdbc:mysql://127.0.0.1:3306/cmu_edge_network serverTimezone=Australia/Adelaide&useUnicode=true&characterEncoding=utf8&useSSL=false&allowPublicKeyRetrieval=true
    username: root
    password: 1
```

For database configuration. You need to change url to your database. cmu_edge_network is the default database name in our initialization file.

You also need to change the username and password of MySQL to your own values.

Please use MySQL8 instead of MySQL5, or you may need to change this part of configuration to MySQL5 style on your own.

```
servlet:
  multipart:
    max-file-size: 20000MB
    max-request-size: 20000MB
    enabled: true
```

max-file-size limits the size of the uploaded file. You can change it according to the real situation. Now the maximum size of file is 20GB.

```
fast:
  upload:
    path: D:/data_upload
```

This path is the prefix of the path that saves all the uploaded files and reports in the server disk. If the server OS is Linux or MacOS, please change this to a legal path.

Initialization of database

We prepare a .sql file for you to initialize the MySQL database. The filepath is app_serve/doc/cmu-edge-network.sql. It creates the database and all the tables we need for backend program.

You can use `mysql -u[username] -p[password]<[path of cmu-edge-network.sql]` command to use this file.

Execution of code

This is a classic Spring project. First make sure MySQL service is on. Then you should run the main method in `ApiApplication` class to start the program. The filepath is `app_serve/src/main/java/edu/ApiApplication.java`. Backend program will listen on port 8888.

Frontend (vue-element)

1. Use a terminal and get into the folder of *vue-element*.
2. For the first time, run *npm install* to install dependencies.
3. Run *npm run serve* to start frontend.

Frontend program runs on port 8080.