



포팅 메뉴얼

목차

1. 개발환경

1-1 프론트엔드

1-2 백엔드

1-3 서버 및 인프라

2. 설정파일 및 환경 변수 정보

3. AWS 서버 설정

3-1 프로젝트 구조

3-2 Docker 설치

3-3 Jenkins 설치 및 설정

3-4 MySQL 컨테이너 생성

3-5 Redis 컨테이너 생성

3-6 MongoDB 컨테이너 생성

3-7 NginX 설치 및 설정

3. AI 서버

3-1. 영상 보관 서버

3-2. GPU 학습 서버

3-3 Jupyter Note에서 AI 학습하기

4. MySQL dump

1. 개발환경

1-1 프론트엔드

- yarn : ^1.22.19
- React : ^18.2.0
- Typescript : ^5.2.2

- Vite : ^5.1.4
- react-router-dom : ^6.22.3
- Tailwindcss : ^3.4.1
- 상태관리
 - recoil : ^0.7.7
- AI
 - @tensorflow/tfjs : ^4.17.0
- API 통신
 - axios : ^1.6.8
- 지도
 - react-kakao-maps-sdk : ^1.1.26
- 차트
 - cytoscape : ^3.28.1
 - cytoscape-cose-bilkent : ^4.1.0
- Project Setup

```
yarn install
```

- Compile and Minify for Production

```
yarn build
```

- Compile and Hot-Reload for Development

```
yarn run dev
```

1-2 백엔드

- IntelliJ : 2023.3.2

- Spring Boot : 3.2.3
- JDK : 21
- MySQL : 8.0.22
- Redis : 7.2.4
- MongoDB : 7.0.8

1-3 서버 및 인프라

- Server : Ubuntu 20.04.6 LTS
- Jenkins : 2.449
- wsl : 2.0

2. 설정파일 및 환경 변수 정보

Spring

application.properties

```
#server.port=3000
server.servlet.context-path=/api

#SpringSecurity
#kakao_registration
spring.security.oauth2.client.registration.kakao.client-name=
spring.security.oauth2.client.registration.kakao.client-id={i
spring.security.oauth2.client.registration.kakao.client-secre
spring.security.oauth2.client.registration.kakao.redirect-uri
spring.security.oauth2.client.registration.kakao.authorization
spring.security.oauth2.client.registration.kakao.scope={scope
#kakao_provider
spring.security.oauth2.client.provider.kakao.authorization-ur
spring.security.oauth2.client.provider.kakao.token-uri=https:
spring.security.oauth2.client.provider.kakao.user-info-uri=ht
spring.security.oauth2.client.provider.kakao.user-name-attrib
spring.security.oauth2.client.registration.kakao.client-auth

#Email setting
```

```

spring.mail.host={host}
spring.mail.port=587
spring.mail.username={username}
spring.mail.password={password}
spring.mail.properties.mail.smtp.auth=true
spring.mail.properties.mail.smtp.starttls.enable=true
spring.mail.properties.mail.smtp.starttls.required=true
spring.mail.properties.mail.smtp.connectiontimeout=5000
spring.mail.properties.mail.smtp.timeout=5000
spring.mail.properties.mail.smtp.writetimeout=5000
# 30min
spring.mail.auth-code-expiration-millis=1800000

#mysql
spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
spring.datasource.url={usr}
spring.datasource.username={username}
spring.datasource.password={password}
#CamelCase
spring.jpa.hibernate.naming.implicit-strategy=org.springframework
spring.jpa.hibernate.ddl-auto=none

#redis
spring.data.redis.host=j10d104.p.ssafy.io
spring.data.redis.port={port}
spring.data.redis.password={password}

#JWT
spring.jwt.secret={secret}

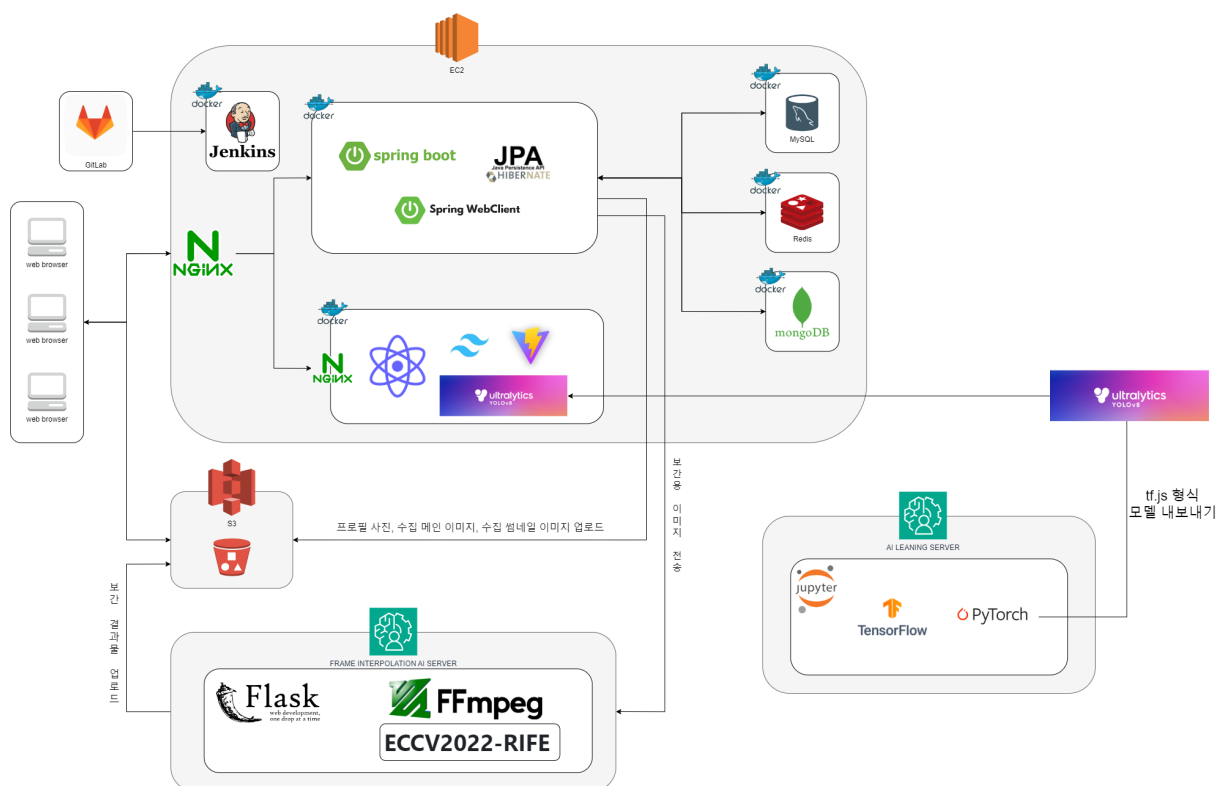
#S3 key
cloud.aws.credentials.accessKey={accessKey}
cloud.aws.credentials.secretKey={secretKey}
#S3 bucketName
cloud.aws.s3.bucketName={bucketName}
#S3 location
cloud.aws.region.static={static}
#cloud formation ??? ????? ?? ??.
```

```
cloud.aws.stack.auto=false
#fileUploadMaxSpeed
spring.servlet.multipart.max-file-size=-1
spring.servlet.multipart.max-request-size=-1
#30min accessToken
spring.jwt.access=1800000
#60min refreshToken
spring.jwt.refresh=3600000

#mongoDB
spring.data.mongodb.uri={uri}
```

3. AWS 서버 설정

3-1 프로젝트 구조



3-2 Docker 설치

1. apt 업데이트

```
apt-get update
```

2. 도커 설치

```
apt-get install docker-ce docker-ce-cli containerd.io docker-compose-plugin
```

3. 도커 설치 확인

```
docker run hello-world
```

4. 도커 버전 확인

```
docker -v
```

5. 도커 데몬 실행

```
systemctl start docker
```

3-3 Jenkins 설치 및 설정

1. jenkins container 생성 및 구동

```
cd /home/ubuntu && mkdir jenkins-data

sudo ufw allow *8080*/tcp
sudo ufw reload
sudo ufw status

sudo docker run -d -p 8080:8080 -v /home/ubuntu/jenkins-data:/var/jenkins_home --name jenkins jenkins/jenkins:lts

sudo docker logs jenkins

sudo docker stop jenkins
sudo docker ps -a
```

2. 환경 변수 설정

```
cd /home/ubuntu/jenkins-data

mkdir update-center-rootCAs

wget https://cdn.jsdelivr.net/gh/lework/jenkins-update-center.
```

```
sudo sed -i 's#https://updates.jenkins.io/update-center.json#  
sudo docker restart jenkins
```

3. 젠킨스 접속

<http://j10d104.p.ssafy.io:8080/>

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

`/var/jenkins_home/secrets/initialAdminPassword`

Please copy the password from either location and paste it below.

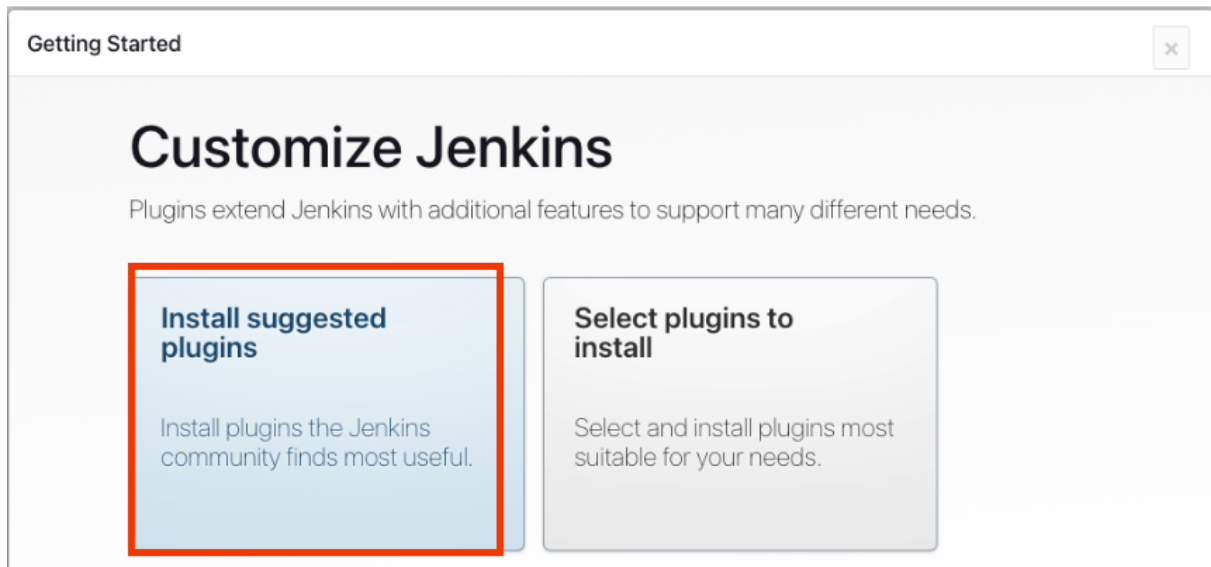
Administrator password

4. 젠킨스 접속 키 확인

```
sudo docker logs jenkins
```

```
*****  
*****  
*****  
  
Jenkins initial setup is required. An admin user has been created and a password generated.  
Please use the following password to proceed to installation:  
  
Jenkins secret key  
  
This may also be found at: /var/jenkins_home/secrets/initialAdminPassword  
  
*****  
*****  
*****
```

5. 필수 플러그인 설치



6. GitLab 연동 설정

깃랩 api 토큰 생성

Project Access Tokens

Generate project access tokens scoped to this project for your applications that need access to the GitLab API. You can also use project access tokens with Git to authenticate over HTTP(S). [Learn more.](#)



Active project access tokens 2

Add a project access token

Token name

For example, the application using the token or the purpose of the token. Do not give sensitive information for the name of the token, as it will be visible to all project members.

Expiration date

Select a role

Developer

Select scopes

Scopes set the permission levels granted to the token. [Learn more.](#)

Jenkins credential 추가

New credentials

Kind

GitLab API token

Scope ?

Global (Jenkins, nodes, items, all child items, etc)

API token

ID ?

Description ?

Create

system 설정 → GitLab 설정

GitLab

☒ Enable authentication for '/project' end-point ?

GitLab connections

Connection name ?

A name for the connection

jenkins

GitLab host URL ?

The complete URL to the GitLab server (e.g. http://gitlab.mydomain.com)

https://lab.ssafy.com/

Credentials ?

API Token for accessing GitLab

GitLab API token

+ Add

고급 Edited

Test Connection

7. 백엔드 CI/CD 파이프라인

새로운 Item을 Pipeline으로 생성

Enter an item name

» Required field



Freestyle project

이것은 Jenkins의 주요 기능입니다. Jenkins은 어느 빌드 시스템과 어떤 SCM(형상관리)으로 묶인 당신의 프로젝트를 빌드할 것이고, 소프트웨어 빌드보다 다른 어떤 것에 자주 사용될 수 있습니다.



Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

미리 만들어진 Gitlab 연동 할당

GitLab Connection



- ☐ Use alternative credential
- ☐ Pipeline speed/durability override ?
- ☐ Preserve stashes from completed builds ?
- ☐ Throttle builds ?

Build Triggers 설정

- 백엔드, 프론트엔드 브랜치에 푸쉬 이벤트 발생 시 빌드 유발하도록 설정

Build Triggers

- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☒ Build when a change is pushed to GitLab. GitLab webhook URL: <http://i10d205.p.ssafy.io:8080/project/backend-cicd-pipeline> ?

Enabled GitLab triggers

- ☒ Push Events ?
- ☐ Push Events in case of branch delete ?
- ☒ Opened Merge Request Events ?
- ☐ Build only if new commits were pushed to Merge Request ?
- ☐ Accepted Merge Request Events ?
- ☐ Closed Merge Request Events ?

Rebuild open Merge Requests ?

Never



GitLab 웹훅 설정

☒ Enable [ci-skip] ?

☒ Ignore WIP Merge Requests ?

Labels that launch a build if they are added (comma-separated) ?

☒ Set build description to build cause (eg. Merge request or Git Push) ?

☐ Build on successful pipeline events

Pending build name for pipeline ?

☐ Cancel pending merge request builds on update ?

Allowed branches

☒ Allow all branches to trigger this job ?

☐ Filter branches by name ?

☐ Filter branches by regex ?

☐ Filter merge request by label

Secret token ?

GitLab Webhook Secret token

Generate

GitLab 웹훅 추가

Webhooks

Webhooks enable you to send notifications to web applications in response to events in a group or project. We recommend using an [integration](#) in preference to a webhook.

Project Hooks 🔗 2

URL

URL must be percent-encoded if it contains one or more special characters.
☒ Show full URL
☐ Mask portions of URL
Do not show sensitive data such as tokens in the UI.

Secret token

Used to validate received payloads. Sent with the request in the `X-GitLab-Token` HTTP header.

8. SSH 설정

Jenkins Pipeline 에서 AWS 서버에 빌드 파일 전송 및 실행을 위한 SSH 설정

- Jenkins Plugin 에서 SSH Agent Plugin 설치
- Credentials 추가

New credentials

Kind
SSH Username with private key

Scope ⓘ
Global (Jenkins, nodes, items, all child items, etc)

ID ⓘ

Description ⓘ

Username

☐ Treat username as secret ⓘ

Private Key
☒ Enter directly
Key

No Stored Value Add

Passphrase

- key 에 SSH pem 파일 정보 복사 후 붙여넣기

9. NodeJs 설정

NodeJS installations

NodeJS installations ^ Edited

Add NodeJS

NodeJS

Name
NodeJS

☒ Install automatically ?

Extract *.zip/*.tar.gz ?

Download URL for binary archive ?
https://nodejs.org/dist/v21.6.1/node-v21.6.1-linux-x64.tar.gz

Subdirectory of extracted archive ?
node-v21.6.1-linux-x64

고급 ▼

Add Installer ▼

Add NodeJS

10. 백엔드 파이프라인 스크립트

```

pipeline {
    agent any
    tools {
        gradle 'gradle'
    }
    stages {
        stage('clone') {
            steps {
                git branch: 'BE', credentialsId : 'gitlab', u
            }
        }
        stage('BE-Build') {
            steps {
                dir("./grabpic-BE") {
                    sh "chmod +x gradlew && ./gradlew clean b
                }
            }
        }
        stage('Deploy') {
            steps {
                dir('grabpic-BE/build/libs') {
                    sh "chmod 777 ./*"
                }
            }
        }
    }
}

```



```
sleep 5
sudo docker run -p 5000:8080 -d --name=be-app be/app #컨테이너
echo "=====
echo "rmi process running" #같은 이름의 이미지가 있다면 삭제
sudo docker rmi -f $(sudo docker images -f "dangling=true" -q
```

13. 프론트엔드 파이프라인 스크립트

```
pipeline {
  agent any

  stages {
    stage('Clone') {
      steps {
        git branch: 'FE', credentialsId : 'gitlab', url
      }
    }
    stage('Build'){
      steps {
        dir('client'){
          nodejs(nodeJSInstallationName: 'NodeJS'){
            sh 'node --version'
            sh 'yarn install && yarn build'
          }
        }
      }
    }
    stage('tar') {
      steps {
        dir('client'){
          sh 'tar -cvf dist.tar dist' //빌드 파일 압축
        }
      }
    }
    stage('ssh') {
      steps {
        dir('client'){
```



```

        sshagent(credentials: ['pem']) {
            sh 'ls'
            sh 'ssh -o StrictHostKeyChecking=no ubuntu@j10d104.p.ssafy.io'
                //빌드 파일 서버 전송
            sh 'scp dist.tar ubuntu@j10d104.p.ssafy.io:'
        }
    }
}
}
stage('unpack'){
    steps {
        sshagent(credentials: ['pem']) {
            //빌드 파일 압축 해제
            sh 'ssh ubuntu@j10d104.p.ssafy.io "cd /home/ubuntu/ && tar xzf dist.tar"'
        }
    }
}
stage('run.sh'){
    steps {
        sshagent(credentials: ['pem']) {
            //컨테이너 생성을 위한 쉘
            sh 'ssh ubuntu@j10d104.p.ssafy.io "cd /home/ubuntu/ && docker run -d --name nginx --restart=always nginx"'
        }
    }
}
}
}
}

```

14. 프론트엔드 DockerFile

```

# nginx 이미지를 사용합니다. 뒤에 tag가 없으면 latest 를 사용합니다.
FROM nginx:latest

# root 에 app 폴더를 생성
RUN mkdir /app

# work dir 고정

```

```

WORKDIR /app

# work dir 에 dist 폴더 생성 /app/dist
RUN mkdir ./dist

# host pc의 현재경로의 dist 폴더를 workdir 의 dist 폴더로 복사
ADD ./dist ./dist

# nginx 의 default.conf 를 삭제
RUN rm /etc/nginx/conf.d/default.conf

# host pc 의 default.conf 를 아래 경로에 복사
COPY ./default.conf /etc/nginx/codenf.d

# 8082 포트 오픈
EXPOSE 8082

```

15. 프론트엔드 run.sh

```

echo "start build image"
echo "=====
sudo docker build -t fe/app .
echo "=====
echo "complete built"
echo "=====
echo "is any same name container running?"
sudo docker ps -a --filter "name = fe-app" | grep -q . && sud
echo "=====
echo "docker run"
sleep 5
sudo docker run -p 8082:8082 -d --name=fe-app fe/app
echo "=====
echo "rmi process running"
sudo docker rmi -f $(sudo docker images -f "dangling=true" -q

```

3-4 MySQL 컨테이너 생성

1. MySQL Docker Image 다운로드

```
docker pull mysql:8.0.22
```

2. 다운로드 된 Docker Image 확인

```
docker images -a
```

| REPOSITORY | TAG | IMAGE ID | CREATED | SIZE |
|------------|--------|--------------|-------------|-------|
| mysql | 8.0.22 | d4c3cafb11d5 | 3 weeks ago | 545MB |

3. MySQL Docker 컨테이너 생성 & 실행

```
docker run --name mysql -e MYSQL_ROOT_PASSWORD=[패스워드] -d -p 3306:3306 mysql:8.0.22
```

4. Docker 컨테이너 리스트 확인

```
docker ps -a
```

| CONTAINER ID | IMAGE | NAMES | COMMAND | CREATED | STATUS | PORTS |
|--------------|--------------|-------|--------------------------|-------------|------------|--|
| fd55b73a7a69 | mysql:8.0.22 | mysql | "docker-entrypoint.s..." | 2 weeks ago | Up 11 days | 0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp |

3-5 Redis 컨테이너 생성

1. Redis Docker Image 다운로드

```
docker pull --platform linux/amd64 redis
```

2. 다운로드 된 Docker Image 확인

```
docker images -a
```

| REPOSITORY | TAG | IMAGE ID | CREATED | SIZE |
|------------|--------|--------------|-------------|-------|
| redis | latest | bdff4838c172 | 4 weeks ago | 138MB |

3. Redis Docker 컨테이너 생성 & 실행

```
docker run --name redis -p 6379:6379 --network redis-network -it -d redis
```

4. Docker 컨테이너 리스트 확인

```
docker ps -a
```

| CONTAINER ID | IMAGE | NAMES | COMMAND | CREATED | STATUS | PORTS |
|--------------|-------|-------|--------------------------|-------------|------------|---|
| 53653fb364d4 | redis | redis | "docker-entrypoint.s..." | 2 weeks ago | Up 11 days | 0.0.0.0:6379->6379/tcp, :::6379->6379/tcp |

3-6 MongoDB 컨테이너 생성

1. Mongo Docker Image 다운로드

```
docker pull mongo
```

2. 다운로드 완료 Docker Image 확인

```
docker images -a
```

3. MongoDB 컨테이너 생성 & 실행

```
sudo docker run --name mongo -p {port}:{port} -e MONGO_INITDB_ROOT_USERNAME={username} -e MONGO_INITDB_ROOT_PASSWORD={password} -d mongo
```

4. Docker 컨테이너 리스트 확인

```
docker ps -a
```

3-7 NginX 설치 및 설정

1. Nginx 설치

```
sudo apt update  
sudo apt install nginx
```

2. Nginx 상태 체크

```
systemctl status nginx
```

3. HTTPS 적용

- Certbot 설치

```
sudo apt install certbot python3-certbot-nginx
```

- 인증서 발급

```
sudo certbot --nginx -d 도메인 이름 -d www.도메인 이름
```

- 옵션 선택 2번

```
Please choose whether or not to redirect HTTP traffic to HTTPS:
- - - - -
1: No redirect - Make no further changes to the webserver configuration.
2: Redirect - Make all requests redirect to secure HTTPS access. Useful
for new sites, or if you're confident your site works on HTTPS. You can
change this later by editing your web server's configuration.
- - - - -
Select the appropriate number [1-2] then [enter] (press 'c' to cancel)
```

- Nginx 설정 파일 작성 및 다운로드 제한 설정

```
cd /etc/nginx/sites-available
sudo vim deploy-test.conf
```

```
server {

    location / {
        proxy_pass http://localhost:8082;
    }
}
```

```

        location /api/v1 {
            proxy_pass http://localhost:5000;
        }

        client_max_body_size 100M;
    listen 443 ssl;
    ssl_certificate /etc/letsencrypt/live/<도메인>/fullchain.pem;
    ssl_certificate_key /etc/letsencrypt/live/<도메인>/privkey.pem;
}

server {

    if ($host = <도메인>) {
        return 301 https://$host$request_uri;
    }

    listen 80;
    server_name <도메인>;
        client_max_body_size 100M;
    return 404;
}

```

3. AI 서버

3-1. 영상 보관 서버

1. wsl 설정

- 영상 보관 서버 설정을 위한 가상 환경 세팅(window powershell)

```

wsl --install

# 3. WSL2를 기본 버전으로 변경
wsl --set-default-version 2

# 설치된 리눅스 확인하기(-list, -version)
wsl -l -v

```

2. Docker 설치

3. nvidia-docker 설치

```
$ distribution=$(. /etc/os-release;echo $ID$VERSION_ID) \  
  && curl -s -L https://nvidia.github.io/nvidia-docker/gp  
  && curl -s -L https://nvidia.github.io/nvidia-docker/$d  
  
$ sudo apt-get update  
$ sudo apt-get install -y nvidia-docker2
```

4. Google Deep Learning Containers 설치

```
docker run --runtime=nvidia -d -p 8080:8080 -v /path/to/lo  
gcr.io/deeplearning-platform-release/{version}
```

5. ECCV2022-RIFE 프로젝트 클론

```
git clone https://github.com/hzwer/ECCV2022-RIFE.git
```

3-2. GPU 학습 서버

1. Conda 설치

3. Conda 가상환경 구축

```
conda create -n "가상 환경명"
```

4. Conda init 후 터미널 종료 후 재접속

```
conda init
```

5. Conda 가상환경 활성화

```
conda activate
```

6. Jupyter Notebook 설치

```
pip install jupyter notebook
```

7. 설치되어있는 CUDA Version 확인

```
nvcc --version
```

8. 아래 사이트에서 버전에 맞는 PyTorch 찾기

<https://pytorch.org/get-started/locally/>

9. PyTorch 설치

```
conda install pytorch==2.1.0 torchvision==0.16.0 torchaudio
```

10. Jupyter Notebook Kernel에 Conda 가상환경 추가

a. 설치 확인

```
jupyter kernelspec list
```

b. ipykernel 설치

```
pip install ipykernel
```

c. Kernel에 Conda 가상환경 추가

```
python -m ipykernel install --user --name (conda가상 환경명)
```

3-3 Jupyter Note에서 AI 학습하기

1. uploda 버튼을 통해 zip 파일 업로드
2. 아래 코드를 생성하고 실행하여 압축 해제

```
import torch  
!unzip -q "/경로/압축파일.zip" -d 압축이 풀리고 난 뒤의 파일명
```


3. 아래 코드를 생성하고 실행하여 AI 학습 시작

```
from ultralytics import YOLO
import os

os.environ["CUDA_DEVICE_ORDER"] = "PCI_BUS_ID"
os.environ["CUDA_VISIBLE_DEVICES"] = "6"
os.environ['KMP_DUPLICATE_LIB_OK']='True'

# Load a model
model = YOLO('yolov8n.yaml') # build a new model from YAM
model = YOLO('yolov8n.pt') # load a pretrained model (recommended)
model = YOLO('yolov8n.yaml').load('yolov8n.pt') # build from pretrained model

if __name__ == '__main__':
    # Train the model
    results = model.train(data='./datasets/data.yaml', epochs=100)
```

4. 아래 코드를 생성하고 실행하여 학습된 모델을 tfjs 형식으로 export

```
from ultralytics import YOLO

# Load the YOLOv8 model
model = YOLO('final_animal.pt')

# Export the model to tensorflow js format
model.export(format='tfjs', imgsz=640)
```

4. MySQL dump

```
-- MySQL dump 10.13  Distrib 8.0.34, for Win64 (x86_64)
--
-- Host: j10d104.p.ssafy.io    Database: grabpic
-- -----
-- Server version      8.0.22
```

```

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION
/*!50503 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

--
-- Dumping data for table `alarm`
--

LOCK TABLES `alarm` WRITE;
/*!40000 ALTER TABLE `alarm` DISABLE KEYS */;
/*!40000 ALTER TABLE `alarm` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Dumping data for table `biology_list`
--

LOCK TABLES `biology_list` WRITE;
/*!40000 ALTER TABLE `biology_list` DISABLE KEYS */;
INSERT INTO `biology_list` VALUES (1,'식육목','개과','개속','회색개');
/*!40000 ALTER TABLE `biology_list` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Dumping data for table `encyclopedia`
--

LOCK TABLES `encyclopedia` WRITE;
/*!40000 ALTER TABLE `encyclopedia` DISABLE KEYS */;
INSERT INTO `encyclopedia` VALUES (1,9,13,'2024-04-04 02:04:00');

```

```

/*!40000 ALTER TABLE `encyclopedia` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Dumping data for table `gallery_log`
--

LOCK TABLES `gallery_log` WRITE;
/*!40000 ALTER TABLE `gallery_log` DISABLE KEYS */;
INSERT INTO `gallery_log` VALUES (1,11,1),(2,5,4),(3,11,3),(4
/*!40000 ALTER TABLE `gallery_log` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Dumping data for table `guest_book`
--

LOCK TABLES `guest_book` WRITE;
/*!40000 ALTER TABLE `guest_book` DISABLE KEYS */;
INSERT INTO `guest_book` VALUES (1,9,5,'우와 쇠오리 어디서 수집하셨
/*!40000 ALTER TABLE `guest_book` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Dumping data for table `reports`
--

LOCK TABLES `reports` WRITE;
/*!40000 ALTER TABLE `reports` DISABLE KEYS */;
/*!40000 ALTER TABLE `reports` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Dumping data for table `subscribe`
--

LOCK TABLES `subscribe` WRITE;
/*!40000 ALTER TABLE `subscribe` DISABLE KEYS */;

```

```

INSERT INTO `subscribe` VALUES (1,11,9),(2,9,11),(5,5,9),(6,5
/*!40000 ALTER TABLE `subscribe` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Dumping data for table `user`
--

LOCK TABLES `user` WRITE;
/*!40000 ALTER TABLE `user` DISABLE KEYS */;
INSERT INTO `user` VALUES (1,'test@test.com','$2a$10$f2DBkXM4
/*!40000 ALTER TABLE `user` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2024-04-04 10:36:48

```