



포팅 매뉴얼

프로젝트 사용 도구

- 이슈 관리: JIRA
- 형상 관리: GitLab
- 커뮤니케이션: Notion, Mattermost, Discord,
- 디자인: Figma
- CI/CD: Jenkins

기술 스택

Front

- Node v18.15.0
- React v18.2.0
- node-sass 8.0
- react-router v6.9.0
- 상태관리 라이브러리
 - recoil v0.7.7
- Socket.io-client v4.6.1
- JSX
- APIs
 - KAKAO MAP API
 - OpenWeatherAPI
 - 오늘의 꽃 추천 API

Back

- Node v18.15.0
- Socket.io v4.6.1
- Express.js v4.18.2

ROS

- Python v3.7.5
- Python-Socket.io v5.8.0
- ROS2-eloquent(release 2020.01.24)
- opencv-contrib-python 4.5.3.56
- opencv-python 4.5.3.56
- openssl 1.0.2u
- choco 0.10.15
- rti 5.3.1
- openslice 6.9.190403

ROS GPU Setting

- CUDA Toolkit 11.2.2(March 2021)
- cuDNN v8.1.0 (January 26th, 2021), for CUDA 11.0,11.1 and 11.2

ROS Pytorch

- torch - 1.8.1+cu111
- torchaudio - 0.8.1
- torchvision - 0.9.1+cu111

ROS YOLO(pytorch hub yolov5 사용 : git clone <https://github.com/ultralytics/yolov5>)

- numpy 1.21.1
- Pillow 9.4.0
- pandas 1.3.5
- setuptools 67.6.0
- seaborn 0.12.2

DB

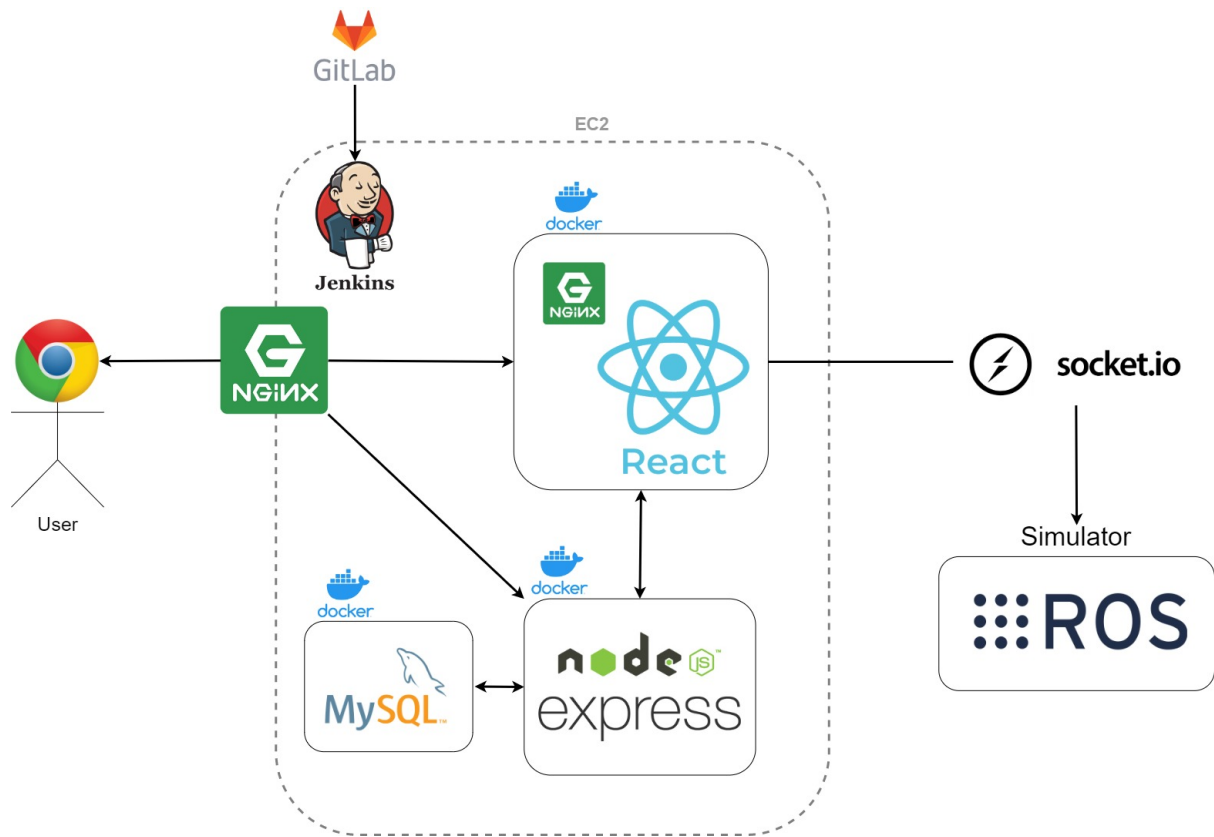
- Amazon S3
- MySQL

CI/CD

- Docker
- Jenkins
- NGINX

OS

Window 10



😊 설정파일/환경변수

배포

ROS