🌱

빌드 및 배포

ubuntu 주소

- public :   54.180.156.63
- private : 172.26.1.5
- 도메인 : i6a502.p.ssafy.io
- 퍼블릭 IPv4주소 : nslookup {도메인주소}
  프라이빗 IPv4주소 : ifconfig

mobaXterm

- session ssh
  remote host : 받은 도메인
  priva pem 누르고
  ubuntu

mysql

```
sudo apt-get update
sudo install mysql-server
dpkg -l | grep mysql-server
cd /etc/mysql/mysql.conf.d
sudo vi mysqld.cnf
bind-address: 0.0.0.0 으로 바꾸기
sudo service mysql restart
sudo mysql -u root -p
CREATE USER 'samanco'@'%' IDENTIFIED BY 'samanco';
GRANT ALL PRIVILEGES ON *.* TO 'samanco'@'%' WITH GRANT OPTION;
FLUSH PRIVILEGES;
exit;
mysql -h 54.180.156.63 -P 3306 -u samanco -p

안열리면 3306 포트 안열려있음
sudo ufw allow 3006/tcp
```

docker와 docker compose 설치

- https://blog.cosmosfarm.com/archives/248/우분투-18-04-도커-docker-설치-방법/

```
sudo apt-get update
sudo apt-get install \
ca-certificates \
curl \
gnupg \
lsb-release
```

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
echo \
"deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker.com/linux/ub
$(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
sudo apt-get install docker-ce docker-ce-cli containerd.io
sudo curl -L "https://github.com/docker/compose/releases/download/1.29.2/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/doc
sudo chmod +x /usr/local/bin/docker-compose
```

kurento 설치 (사용 안함)

```
sudo docker pull kurento/kurento-media-server:latest
sudo docker run -d --name kms --network host \
kurento/kurento-media-server:latest
```

coturn 설치 (사용 안함) - openvidu 설치할때 충돌 발생, 지우기

```
sudo apt-get update
#sudo apt-get install --no-install-recommends --yes \ coturn
sudo apt-get install coturn
sudo vi /etc/default/coturn
i - insert
esc :wq!  - 저장하고 종료
sudo vi /etc/turnserver.conf

listening-port=3478
tls-listening-port=5349
listening-ip=172.26.1.5
external-ip=54.180.156.63/172.26.1.5
relay-ip=172.26.1.5
verbose
fingerprint
lt-cred-mech
user=samanco:samanco  // 사용자:비번
[realm=samanco.io](http://realm%3Dsamanco.io/)
log-file=/var/log/trun.log
simple-log

sudo service coturn start
```

kurento STUN/TURN 서버 설정 (사용 안함)

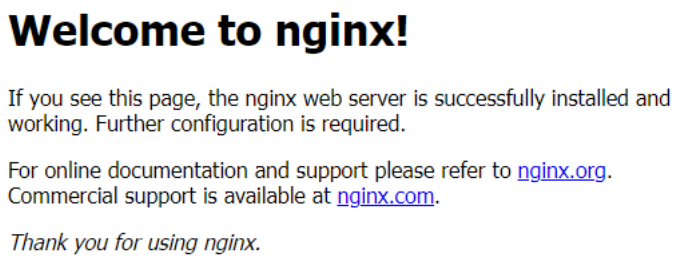
```
sudo docker exec -it 2bdb /bin/bash   // 2bdb~~: 도커 포트
(vim 설치)
(apt-get update)
(apt-get install vim)
vi /etc/kurento/modules/kurento/WebRtcEndpoint.conf.ini
stunServerAddress=54.180.156.63
stunServerPort=3478
turnURL=samanco:ssafy@54.180.156.63:3478?transport=udp
ps -fC kurento-media-server   // 설치 확인
exit
```

nginx 설치

- https://itexpert.tips/ko/nginx-ko/우분투-리눅스에-nginx-설치하기/
- https://good-case-615.notion.site/

```
sudo apt-get update
sudo apt-get install nginx
sudo service nginx restart
sudo service nginx status

http://i6a502.p.ssafy.io/ -> 주소창에 치고 확인
```



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

자바 설치 및 환경 변수 설정

- https://m.blog.naver.com/dktmrorl/222034123157

```
sudo apt-get update
sudo apt-get install openjdk-11-jdk
javac -version
  -> javac 11.0.13

sudo vi /etc/profile
  하단에 다음 추가
  export JAVA_HOME=/usr/lib/jvm/java-11-openjdk-amd64

source /etc/profile
  환경 소스 적용

echo $JAVA_HOME
  적용 확인
```

openvidu 설치

- https://github.com/483759/Square4Us/wiki/Openvidu-구축-과정
- https://mvnrepository.com/artifact/io.openvidu/openvidu-java-client/2.20.0
- https://github.com/OpenVidu/openvidu-tutorials
- https://docs.openvidu.io/en/stable/tutorials/openvidu-mvc-java/
- https://github.com/SunHwan-Park/homesool

letsencrypt 설치

- https://shinjongpark.github.io/2020/02/17/AWS-nginx-vue-spring-ssl.html

```
sudo apt-get install letsencrypt -y
sudo systemctl stop nginx
  인증서 발급을 위해 nginx 중지 (80 포트 사용 중지)
sudo letsencrypt certonly --standalone -d i6a502.p.ssafy.io

OPENVIDU_SECRET=ssafy
server.ssl.key-store=classpath:i6a502.p.ssafy.io.p12
server.ssl.key-store-password=ssafy
```

certbot 설치

- https://good-case-615.notion.site/deploy-back-5f3445ff61ea498ca24021962cefd767#661823a01a5242049b78b08a5dae1ef9

```
sudo snap install --classic certbot
sudo ln -s /snap/bin/certbot /usr/bin/certbot
sudo certbot --nginx
```

```
이메일 입력 : kjin4_1@naver.com
동의 : Y
도메인 https : 2
```

frontend 환경 변수 설정

```
- /frontend/.env.development
NEXT_PUBLIC_ENV_HOST=http://localhost
NEXT_PUBLIC_ENV_PORT=8089

- /frontend/.env.production
NEXT_PUBLIC_ENV_HOST=https://i6a502.p.ssafy.io
NEXT_PUBLIC_ENV_PORT=443
```

전체 배포

```
chmod +x samanco_deploy.sh
./samanco_deploy.sh

종료시
ps -ef | grep ssafy-web-project-1.0-SNAPSHOT.jar # PID 식별 후
kill -9 [PID]
```

- ./samanco_deploy.sh

```
echo "start"
echo "remove old directory"
rm -rf S06P12A502/

echo "git clone"
git clone https://kjin4_1:rkdwls6027^^@lab.ssafy.com/s06-webmobile1-sub2/S06P12A502.git

echo "install nodejs, npm, yarn"
sudo apt-get update
curl -sL https://deb.nodesource.com/setup_14.x | sudo bash -
sudo apt-get install -y nodejs
curl -sS https://dl.yarnpkg.com/debian/pubkey.gpg | sudo apt-key add -
echo "deb https://dl.yarnpkg.com/debian/ stable main" | sudo tee /etc/apt/sources.list.d/yarn.list
sudo apt-get update && sudo apt-get install yarn -y

echo "frontend build"
cd S06P12A502/frontend/
npm install
yarn build

# echo "install java 11"
# sudo apt-get update
# sudo apt-get install -y openjdk-11-jdk

echo "backend build"
cd ../backend-java
chmod +x gradlew
./gradlew build

echo "backend execute jar"
cd build/libs/
# java -jar ssafy-web-project-1.0-SNAPSHOT.jar

# execute on background
nohup java -jar ssafy-web-project-1.0-SNAPSHOT.jar &
```