

1. 사용한 JVM, 웹서버, WAS, 제품 등 종류와 설정 값, 버전

- Build Tool : Gradle
- Back-End 언어 : Java 11
- FrameWork : Spring Boot 2.7.15
- Front-End : React
- Docker-compose.yml script

```
- version: '3'
-
- services:
-   nginx:
-     image: nginx:latest # Nginx 이미지를 사용합니다. 버전은 필요에
-     따라 조정할 수 있습니다.
-     container_name: nginx
-     environment:
-       - TZ=Asia/Seoul
-     networks:
-       - front
-     expose:
-       - "80"
-       - "443"
-     ports:
-       - "80:80"
-       - "443:443"
-     volumes:
-       #- ./data/nginx/app.conf:/etc/nginx/conf.d/default.c
-       onf
-       - ./data/nginx:/etc/nginx/conf.d
-       - ./data/certbot/conf:/etc/letsencrypt
-       - ./data/certbot/www:/var/www/certbot
-     restart: unless-stopped # 컨테이너가 종료되면 항상 다시
-     시작합니다.
-     # 컨테이너가 만들어진 후에 실행할 명령어
-     command: "/bin/sh -c 'while ;; do sleep 6h & wait ${!};
-     nginx -s reload; done & nginx -g \"daemon off;\""
-
-   certbot:
-     image: certbot/certbot
-     container_name: certbot
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-     networks:
-         - front
-     restart: unless-stopped
-     volumes:
-         - ./data/certbot/conf:/etc/letsencrypt
-         - ./data/certbot/www:/var/www/certbot
-     entrypoint: "/bin/sh -c 'trap exit TERM; while :; do
certbot renew; sleep 12h & wait $$!}; done;'"
-
-     jenkins:
-         image: jenkins/jenkins:lts
-         container_name: jenkins
-         networks:
-             - back
-             - front
-         volumes:
-             - /var/run/docker.sock:/var/run/docker.sock
-             - ./data/jenkins:/var/jenkins_home
-             - ./data/nginx:/var/nginx
-
-         ports:
-             - "9090:8080"
-         environment:
-             - JENKINS_SLAVE_AGENT_PORT=3000 # 에이전트와의 통신 포트
설정
-         user: root
-
-     mysql:
-         image: mysql:latest
-         container_name: mysql
-         networks:
-             - back
-         environment:
-             MYSQL_ROOT_PASSWORD: rlarhkdtjrdmlvusw1123
-             MYSQL_DATABASE: i9
-             MYSQL_USER: i9B309
-             MYSQL_PASSWORD: dkd1rnB309
-         command: --character-set-server=utf8mb4 --collation-
server=utf8mb4_unicode_ci
-         volumes:
-             - ./data/mysql:/var/lib/mysql
-         ports:

```

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-         - "3306:3306"
-
-     redis:
-         image: redis:latest
-         container_name: redis
-         networks:
-             - back
-         volumes:
-             - ./data/redis:/data
-         ports:
-             - "6379:6379"
-
-     mongodb-config1:
-         image: mongo
-         command: mongod --configsvr --replSet configRepl --port
20001
-         container_name: mongo-config1
-         ports:
-             - 20001:20001
-         volumes:
-             - ./mongo-dir/mongodb-config1:/data/db
-
-     mongodb-config2:
-         image: mongo
-         command: mongod --configsvr --replSet configRepl --port
20002
-         container_name: mongo-config2
-         ports:
-             - 20002:20002
-         volumes:
-             - ./mongo-dir/mongodb-config2:/data/db
-
-     mongo:
-         image: mongo
-         container_name: mongo-root
-         command: mongos --configdb
configRepl/j9b309.p.ssafy.io:20001,j9b309.p.ssafy.io:20002 --
bind_ip_all
-         ports:

```

```
-       - 20000:27017
-
- volumes:
-       - ./mongo-dir/mongodb:/data/db
-
- environment:
-       MONGO_INITDB_ROOT_USERNAME: i9B309
-       MONGO_INITDB_ROOT_PASSWORD: dkd1rnB309
-       MONGO_INITDB_DATABASE: SSAFY
-
- mongo-shard11:
-       image: mongo
-       container_name: mongo-shard11
-       command: mongod --shardsvr --replSet shardRep1 --port 30011
-       ports:
-       - 30011:30011
-       volumes:
-       - ./mongo-dir/mongodb-shard11:/data/db
-
- mongo-shard12:
-       image: mongo
-       container_name: mongo-shard12
-       command: mongod --shardsvr --replSet shardRep1 --port 30012
-       ports:
-       - 30012:30012
-       volumes:
-       - ./mongo-dir/mongodb-shard12:/data/db
-
- mongo-shard21:
-       image: mongo
-       container_name: mongo-shard21
-       command: mongod --shardsvr --replSet shardRep2 --port 30021
-       ports:
-       - 30021:30021
-       volumes:
-       - ./mongo-dir/mongodb-shard21:/data/db
-
- mongo-shard22:
-       image: mongo
-       container_name: mongo-shard22
-       command: mongod --shardsvr --replSet shardRep2 --port 30022
-       ports:
```

```

-       - 30022:30022
-       volumes:
-       - ./mongo-dir/mongodb-shard22:/data/db
-
- networks:
-   front:
-   back:
-

```

## 2. 환경 변수

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- application.yml
-
- server:
-   port: {포트 번호}
-
- spring:
-   security:
-   oauth2:
-     resourceserver:
-       jwt:
-         jwk-set-uri: { 인증 서버 주소 + “/oauth/token_key” ex:
-           https://j9b309.p.ssafy.io/oauth/token\_key }
-
-   datasource:
-     driver-class-name: com.mysql.cj.jdbc.Driver
-     url: { database url }
-     username: { database user name }
-     password: { database password }
-
-   jpa:
-     open-in-view: false
-     hibernate:
-       ddl-auto: update
-   data:
-     mongodb:
-       uri: { mongodb url }
-       database: { database name }
-   mail:

```

- host: smtp.gmail.com
- port: 587
- username: { gmail 이름 }
- password: { gmail password }
- properties:
  - mail:
    - smtp:
      - auth: true
      - starttls:
        - enable: true
- url:
  - host: { 서비스 주소 이름 ex} <https://j9b309.p.ssafy.io> }
- jwt:
  - secretKey: { jwt secret key }

### 3. 배포 시 특이사항

- MSA 구조 배포