④ 생성일●2025년 5월 21일 오후 3:23Ⅲ 태그포팅메뉴얼

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1. 개요

본 문서는 Memozy 프로젝트의 배포 환경을 구성하기 위한 포팅 메뉴얼입니다.

Docker 기반의 컨테이너 환경에서 Jenkins, Nginx, Database, Spring Boot, React 등을 포함한 전체 시스템을 구성하며, CI/CD 파이프라인 설정까지 다루고 있습니다.

2. 배포환경 + 기술 스택

COMMON

- Jenkins
- Nginx
- Docker / Docker Compose
- Redis
- MySQL 8
- Ubuntu 22.04
- SonarQube

BACKEND

- JDK 17
- Gradle 8.14
- Spring Boot 3.4.3

FRONTEND

- React 18
- Node.js 22
- Vite

3. 환경 변수 설정 파일 목록

Frontend

• front/web/.env.production

VITE_API_BASE_URL=https://memozy.site

front/web/.env.development

VITE_API_BASE_URL=https://test.memozy.site

Backend

· back/memozy-api/Dockerfile

FROM openjdk:17

WORKDIR /usr/src/app

ARG JAR_PATH=./build/libs
ARG JAR_NAME=memozy-api-0.0.1-SNAPSHOT.jar

COPY \${JAR_PATH}/\${JAR_NAME} app.jar

ENV SPRING_PROFILES_ACTIVE=local

CMD ["java", "-jar", "-Dspring.profiles.active=\${SPRING_PROFILES_ACTIVE}",

• back/memozy-api/src/main/resources/application-API-KEY.properties

```
# LOCAL------
# DATABASE - LOCAL

LOCAL_DB_URL=jdbc:mysql://localhost:3306/test?serverTimezone=Asia/Seot

LOCAL_DB_USERNAME=root

LOCAL_DB_PASSWORD=root

# DATABASE - DEV

DEV_DB_URL=

DEV_DB_USERNAME=
```

```
DEV_DB_PASSWORD=
DEV_REDIS_PORT=
DEV_REDIS_HOST=
DEV_REDIS_PASSWORD=
# DATABASE - PROD
DEV_DB_URL=
DEV_DB_USERNAME=
PROD_DB_PASSWORD=
PROD_REDIS_PORT=
PROD_REDIS_HOST=
PROD_REDIS_PASSWORD=
# Google
## Google registration Web
spring.security.oauth2.client.registration.google.client-name=Google
spring.security.oauth2.client.registration.google.client-id=
spring.security.oauth2.client.registration.google.client-secret=
spring.security.oauth2.client.registration.google.authorization-grant-type=aut
spring.security.oauth2.client.registration.google.scope=profile,email
## Google provider
spring.security.oauth2.client.provider.google.authorization-uri=https://accoun
spring.security.oauth2.client.provider.google.token-uri=https://oauth2.google
spring.security.oauth2.client.provider.google.user-info-uri=https://openidconr
spring.security.oauth2.client.provider.google.user-name-attribute=sub
# JWT SECRET KEY
spring.jwt.secret=
# Open AI
spring.ai.openai.api-key=
spring.ai.openai.chat.options.model=gpt-4o
# Local
LOCAL_REDIRECT_URL=
# DEV
DEV_REDIRECT_URL=
# PROD
PROD_REDIRECT_URL=
# CHROME EXTENSION
LOCAL_CHROME_EXTENSION_URL=
DEV_CHROME_EXTENSION_URL=
PROD_CHROME_EXTENSION_URL=
```

4. 서버 설정

포트 설정

sudo ufw allow 22, 44, 80, 443, 3306, 8080, 9000, 9090, 9091

5. 필요한 리소스 설치

mkdir memozy && cd memozy

5.1 Docker & Docker Compose

1. 패키지 업데이트 sudo apt-get update

2. https 관련 패키지 설치

sudo apt install apt-transport-https ca-certificates curl software-properties-co

3. 기존 Docker GPG 키 및 저장소 삭제 sudo rm -rf /etc/apt/keyrings/docker.gpg sudo rm -f /etc/apt/sources.list.d/docker.list

4. 최신 Docker GPG 키 추가

sudo mkdir -p /etc/apt/keyrings

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearm sudo chmod a+r /etc/apt/keyrings/docker.gpg

5. Docker 저장소 추가

echo "deb [arch=amd64 signed-by=/etc/apt/keyrings/docker.gpg] https://dov

```
# 6. 패키지 목록 업데이트
sudo apt update
# 7. Docker 설치 (선택 사항)
sudo apt-get install docker-ce docker-ce-cli containerd.io -y
# 8. 설치 확인
docker --version
```

5.2 docker-compose.infra.yml

mkdir -p memozy/infra && cd memozy/infra

· vim docker-compose.infra.yml

```
services:
jenkins:
  image: jenkins/jenkins:lts-jdk17
  container_name: jenkins
  networks:

    app-network

  environment:
   - JENKINS_OPTS=--prefix=/jenkins
   - JAVA_OPTS=-Djenkins.model.Jenkins.crumblssuerProxyCompatibility=tr
   - JENKINS_URL=https://memozy.site/jenkins
  volumes:
   - jenkins_data:/var/jenkins_home
   - /var/run/docker.sock:/var/run/docker.sock
  restart: unless-stopped
  ports:
   - "9090:8080"
   - "50000:50000"
```

```
user: root
 nginx:
  image: nginx:alpine
  container_name: nginx
  ports:
   - "80:80"
   - "443:443"
  volumes:
   - ./nginx/logs:/var/log/nginx
   - ./nginx.conf:/etc/nginx/conf.d/default.conf
   - /var/www/letsencrypt:/var/www/letsencrypt
   - /etc/letsencrypt:/etc/letsencrypt
   - /home/ubuntu/memozy/frontend/build:/usr/share/nginx/html
  networks:
   - app-network
  restart: unless-stopped
networks:
 app-network:
  name: app-network
  driver: bridge
  external: true
volumes:
jenkins_data:
```

• vim nginx.conf

access_log /var/log/nginx/access.log combined; error_log /var/log/nginx/error.log warn;

```
upstream spring_backend {
  server memozy-app-prod:8080;
  # server 43.203.212.111:8080;
}
server {
     listen 80 default_server;
    listen [::]:80 default_server;
    server_name memozy.site www.memozy.site k12a602.p.ssafy.io;
    location /.well-known/acme-challenge/ {
         root /var/www/letsencrypt;
         allow all;
    }
    location / {
         return 301 https://$host$request_uri;
    }
}
server {
    listen 443 ssl default_server;
    listen [::]:443 ssl default_server;
     resolver 127.0.0.11 ipv6=off;
     root /usr/share/nginx/html;
    index index.html;
     server_name memozy.site www.memozy.site k12a602.p.ssafy.io;
    ssl_certificate /etc/letsencrypt/live/memozy.site/fullchain.pem;
     ssl_certificate_key /etc/letsencrypt/live/memozy.site/privkey.pem;
     location / {
```

```
try_files $uri /index.html;
}
# jenkins
location /jenkins {
    proxy_http_version 1.1;
    proxy_set_header
                       Upgrade $http_upgrade;
    proxy_set_header
                       Connection "Upgrade";
    proxy_set_header HOST $host;
                       X-Real-IP $remote_addr;
    proxy_set_header
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Forwarded-Proto $scheme;
    proxy_set_header X-Forwarded-Host $host;
    proxy_set_header X-Forwarded-Port 443;
    proxy_pass_header Authorization;
    proxy_set_header Authorization $http_authorization;
    proxy_set_header
                       X-NginX-Proxy true;
                     http://jenkins:8080/jenkins/;
    proxy_pass
                     ~^/jenkins/jenkins /jenkins;
    proxy_redirect
    proxy_cookie_path ~^/jenkins/jenkins /jenkins;
    proxy_buffering
                      off;
    proxy_request_buffering off;
}
# 웹소켓
location /ws-connect {
    proxy_http_version 1.1;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "Upgrade";
    proxy_set_header Authorization $http_authorization;
    proxy_set_header Host $host;
    access_log /var/log/nginx/ws_connect.log;
    proxy_read_timeout 3600;
```

```
proxy_send_timeout 3600;
    proxy_pass http://spring_backend/ws-connect;
}
# 일반 백엔드 엔드포인트
location ~ ^/(oauth2|login|api)/ {
      proxy_set_header Host $host;
      proxy_set_header X-Real-IP $remote_addr;
      proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for
      proxy_set_header X-Forwarded-Proto $scheme;
      proxy_set_header Authorization $http_authorization;
      proxy_set_header X-NginX-Proxy true;
                      http://spring_backend$request_uri;
      proxy_pass
      proxy_redirect
                      off;
      charset
                    utf-8;
}
location /swagger-ui/ {
    proxy_pass http://spring_backend/swagger-ui/;
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Forwarded-Proto $scheme;
}
location /v3/api-docs {
    proxy_pass http://spring_backend/v3/api-docs;
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Forwarded-Proto $scheme;
}
location /swagger-config {
```

```
proxy_pass http://spring_backend/swagger-config;
proxy_set_header Host $host;
proxy_set_header X-Real-IP $remote_addr;
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_set_header X-Forwarded-Proto $scheme;
}
```

docker compose -f docker-compose.infra.yml up -d

5.3 docker-compose.database.yml

mkdir -p memozy/database && cd memozy/database

• vim docker-compose.db.yml

```
services:
 memozy_prod:
  image: mysql:8.0
  container_name: memozy_prod
  restart: always
  env_file:
   - ./memozy_prod.env
  ports:
   - "3306:3306"
  command: --server-id=1 --log-bin=mysql-bin
  volumes:
   memozy_prod_data:/var/lib/mysql
  networks:
   - app-network
 redis_prod:
  image: redis:latest
  container_name: redis_prod
  restart: always
```

```
networks:
   app-network
  ports:
   - "6380:6379"
  volumes:
   - redis_prod_data:/data
  command: [
   "redis-server",
   "--requirepass", "",
   "--bind", "0.0.0.0",
   "--protected-mode", "no"
  ]
networks:
 app-network:
  external: true
  name: app-network
volumes:
 memozy_prod_data:
 redis_prod_data:
```

• vim memozy_prod.env

```
MYSQL_ROOT_PASSWORD: MYSQL_DATABASE:
MYSQL_USER:
MYSQL_PASSWORD:
```

docker compose -f docker-compose.db.yml up -d

6. Jenkins System, Plugin, Tools, Credentials

6.1 GitLab AccessToken

gitLAB API TOKEN FOR api, read_api, create_runner, manage_runner, k8s_proxy, read_repository, Apr 16, 2 weeks in 10 Maintainer 🗍 JENKINS write_repository, ai_features 2025 ago months

6.2 Jenkins Plugin

SSH Agent Plugin: Git 저장소, 원격 서버를 SSH 키로 연결

Pipreline: Declarative: pipeline 문법을 사용할 수 있도록 해줌

Pipeline: Stage View Plugin: Stage 상태를 시각적으로 보여줌

SonarQube Scanner: SonarQube를 사용할 수 있는 플러그인

Pipeline Utility Steps: SonarQube에서 받은 readJSON을 사용하기 위한 플러그인

Gradle Plugin: Gradle 빌드를 쉽게 실행할 수 있음

Docker plugin: CI/CD 파이프라인에서 컨테이너 기반 빌드 및 배포

NodeJs Plugin: npm/yam 명령어를 실행할 수 있음

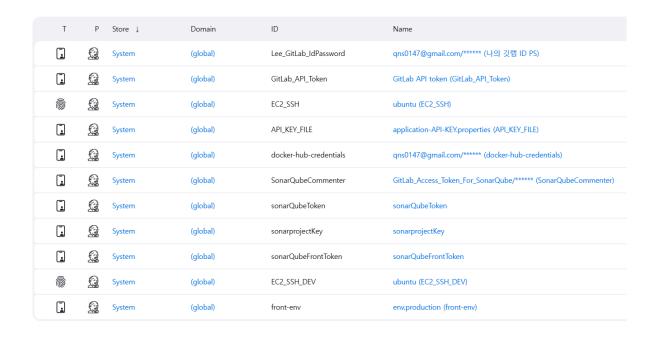
MatterMostNotifier: Mattermost 웹훅을 통해 알림으로 전송

Workspace Cleanup: cleanWs 메서드를 사용하여 워크스페이스를 지우는 용도

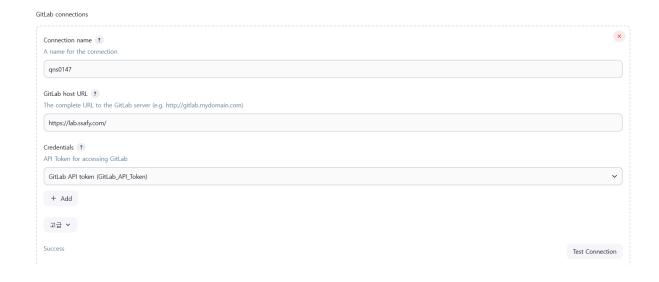
GitLab Plugin: GitLab의 이벤트(웹훅)를 감지

GitLab API: GitLab의 정보를 가져오거나 업데이트할 때 사용

6.3 Jenkins Credentials

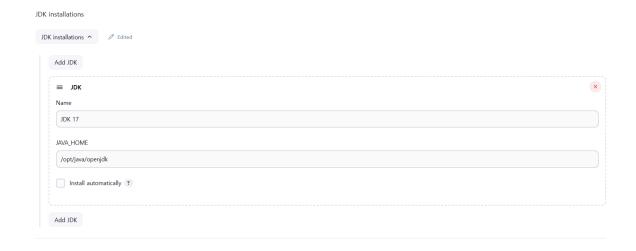


6.4 Jenkins System

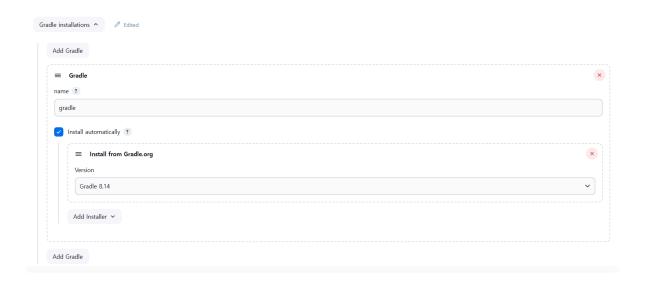


6.5 Jenkins Tools

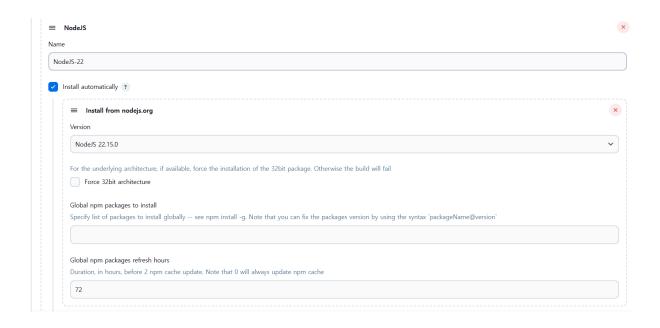
JDK



Gradle



NodeJs



7. CI/CD Jenkins 파이프라인 스크립트

7.1 Front CI

```
script {
       try {
         updateGitlabCommitStatus name: 'checkout', state: 'pending'
         echo "Checking out source branch: ${sourceBranch}"
         git branch: "${sourceBranch}", credentialsId: '"
         updateGitlabCommitStatus name: 'checkout', state: 'success'
       } catch (Exception e) {
         updateGitlabCommitStatus name: 'checkout', state: 'failed'
         throw e
       }
    }
  }
}
stage('Checkout Target') {
  steps {
    script {
       try {
         echo "Checking out target branch: ${targetBranch}"
         git branch: "${targetBranch}", credentialsId: 'Lee_GitLab_IdPass
         updateGitlabCommitStatus name: 'checkout', state: 'success'
       } catch (Exception e) {
         updateGitlabCommitStatus name: 'checkout', state: 'failed'
         throw e
       }
    }
  }
}
stage('Merge Source into Target') {
  steps {
    script {
       try {
         updateGitlabCommitStatus name: 'merge', state: 'pending'
         sh '''
         git config --global user.email "qns0147@gmail.com"
         git config --global user.name "TinyFrogs"
         111
```

```
echo "Merging ${sourceBranch} into ${targetBranch}"
         sh "git checkout ${targetBranch}"
         sh "git merge ${sourceBranch} --no-ff -m 'Merge ${sourceBranch}
         updateGitlabCommitStatus name: 'merge', state: 'success'
         updateGitlabCommitStatus name: 'check-conflicts', state: 'pend
         def mergeStatus = sh(script: 'git status', returnStdout: true).trim
         echo "Git status: ${mergeStatus}"
         if (mergeStatus.contains("Unmerged paths")) {
            updateGitlabCommitStatus name: 'check-conflicts', state: 'fai
            error "Merge conflict detected! Please resolve conflicts befor
         } else {
            echo "Merge successful without conflicts."
            updateGitlabCommitStatus name: 'check-conflicts', state: 'su
       } catch (Exception e) {
         updateGitlabCommitStatus name: 'merge', state: 'failed'
         updateGitlabCommitStatus name: 'check-conflicts', state: 'failed
         throw e
       }
    }
  }
}
stage('Install Dependencies') {
  steps {
    script {
       try {
         updateGitlabCommitStatus name: 'Install', state: 'pending'
         sh '''
           cd front/web
            npm ci --legacy-peer-deps
         111
         updateGitlabCommitStatus name: 'Install', state: 'success'
       } catch (Exception e) {
         updateGitlabCommitStatus name: 'Install', state: 'failed'
         throw e
```

```
}
         }
    }
    stage('Build & Test') {
      steps {
         script {
           try {
              updateGitlabCommitStatus name: 'build', state: 'pending'
              echo "Merge Request IID: ${gitlabMergeRequestlid}"
             sh '''
                cd front/web
                npm run build
             111
              updateGitlabCommitStatus name: 'build', state: 'success'
           } catch (Exception e) {
              updateGitlabCommitStatus name: 'build', state: 'failed'
             throw e
           }
         }
      }
    }
  }
post {
  success {
    script {
      echo "V FRONT CI 성공! Mattermost로 알림 전송."
      sh """
         response=\$(curl -s -o response.txt -w "%{http_code}" -H "Content
           -X POST \\
           -d '{
              "text": "V FRONT CI 성공!\\n 🔗 Jenkins URL: ${env.BUILD_URL
           }' \\
           "$MATTERMOST_WEBHOOK_URL")
         echo "Mattermost Webhook Response Code: \$response"
```

```
cat response.txt
       11 11 11
    }
  failure {
    script {
      echo "X FRONT CI 실패! Mattermost로 알림 전송."
       sh """
         response=\$(curl -s -o response.txt -w "%{http_code}" -H "Content
           -X POST \\
           -d '{
             "text": "X FRONT CI 실패!\\n 🔗 Jenkins URL: ${env.BUILD_URL
           }' \\
           "$MATTERMOST_WEBHOOK_URL")
         echo "Mattermost Webhook Response Code: \$response"
         cat response.txt
       11 11 11
    }
  }
}
}
```

7.2 Front CD

```
pipeline {
   agent any
   environment {
     MATTERMOST_WEBHOOK_URL = ""
     ENV = credentials('front-env')
   }
   tools {
     nodejs 'NodeJS-22'
   }
}
```

```
stages {
  stage('Cleanup Workspace') {
     steps {
       cleanWs()
    }
  }
  stage('Checkout') {
     steps {
       git branch: ", credentialsId: ", url: ""
    }
  }
  stage('Check for Changes in front/') {
     steps {
       script {
          def changes = sh(script: "git diff --name-only HEAD~1 | grep '^fro
          if (!changes) {
            echo " No changes in front/ directory. Skipping pipeline."
            currentBuild.result = 'ABORTED'
            error("No changes detected in front/. Pipeline stopped.")
          } else {
            echo "<a href="#">✓ Changes detected in front/: ${changes}</a>"
          }
       }
    }
  }
stage('Copy ENV File') {
     steps {
       script {
          sh '''
            cp "$ENV" front/web/.env.production
          111
       }
    }
```

```
}
  stage('Install Dependencies') {
    steps {
       script {
         sh '''
            cd front/web
            npm ci --legacy-peer-deps
         111
       }
    }
  }
  stage('Build & Test') {
    steps {
       script {
         sh '''
            cd front/web
            npm run build
       }
    }
  }
  stage('Connect to EC2 and Deploy') {
    steps {
       script {
         sshagent(['EC2_SSH']) { // Jenkins에 저장한 SSH Key ID
            sh """
            echo " ☑ EC2에 파일 전송 시작!"
            scp -o StrictHostKeyChecking=no -r
            11 11 11
         }
       }
    }
  }
}
```

```
post {
  success {
    script {
      echo "<a href="#">▼ FRONT CD 성공! Mattermost로 알림 전송."</a>
        response=\$(curl -s -o response.txt -w "%{http_code}" -H "Content
          -X POST \\
          -d '{
            "text": "V FRONT CD 성공!\\n 🔗 Jenkins URL: ${env.BUILD_URI
          "$MATTERMOST_WEBHOOK_URL")
        echo "Mattermost Webhook Response Code: \$response"
        cat response.txt
    }
  }
  failure {
    script {
      echo "X FRONT CD 실패! Mattermost로 알림 전송."
      sh """
        response=\$(curl -s -o response.txt -w "%{http_code}" -H "Content
          -X POST \\
          -d '{
            }' \\
          "$MATTERMOST_WEBHOOK_URL")
        echo "Mattermost Webhook Response Code: \$response"
        cat response.txt
      11 11 11
    }
 }
}
}
```

7.3 Back CI

```
pipeline {
  agent any
  environment {
    MATTERMOST_WEBHOOK_URL = ""
    API_KEY_FILE = credentials('API_KEY_FILE')
    SONAR_QUBE_TOKEN = credentials('sonarQubeToken')
    SONAR_PROJECT_KEY = credentials('sonarprojectKey')
    SONAR_HOST_URL = ""
    sourceBranch = "${env.gitlabSourceBranch ?: 'back'}"
    targetBranch = "${env.gitlabTargetBranch ?: 'back'}"
    gitlabProjectId = ""
    gitlabMergeRequestlid = "${env.gitlabMergeRequestlid}"
  }
  stages {
    stage('Checkout Source') {
      steps {
         script {
           updateGitlabCommitStatus name: 'checkout', state: 'pending'
           echo "Checking out source branch: ${sourceBranch}"
           git branch: "${sourceBranch}", credentialsId: '', url: ""
      }
    }
    stage('Checkout Target') {
      steps {
         script {
           echo "Checking out target branch: ${targetBranch}"
           git branch: "${targetBranch}", credentialsId: '', url: ""
```

```
updateGitlabCommitStatus name: 'checkout', state: 'success'
    }
  }
}
stage('Merge Source into Target') {
  steps {
    script {
       updateGitlabCommitStatus name: 'merge', state: 'pending'
       sh '''
       git config --global user.email "@gmail.com"
       git config --global user.name ""
       111
       echo "Merging ${sourceBranch} into ${targetBranch}"
       sh "git checkout ${targetBranch}"
       sh "git merge ${sourceBranch} --no-ff -m 'Merge ${sourceBranch
       updateGitlabCommitStatus name: 'merge', state: 'success'
       updateGitlabCommitStatus name: 'check-conflicts', state: 'pending
       def mergeStatus = sh(script: 'git status', returnStdout: true).trim()
       echo "Git status: ${mergeStatus}"
       if (mergeStatus.contains("Unmerged paths")) {
         updateGitlabCommitStatus name: 'check-conflicts', state: 'failed
         error "Merge conflict detected! Please resolve conflicts before i
       } else {
         echo "Merge successful without conflicts."
         updateGitlabCommitStatus name: 'check-conflicts', state: 'succ
       }
    }
  }
}
stage('Copy API Key File') {
```

```
steps {
         script {
           updateGitlabCommitStatus name: 'copy api-key', state: 'pending'
           sh '''
           chmod -R u+w ./back/memozy-api/src/main/resources/
           cp $API_KEY_FILE ./back/memozy-api/src/main/resources/applica
           111
           updateGitlabCommitStatus name: 'copy api-key', state: 'success'
         }
      }
    }
    stage('Build JAR') {
      steps {
         script {
           updateGitlabCommitStatus name: 'build', state: 'pending'
           sh '''
           cd back/memozy-api
           chmod +x gradlew
           ./gradlew build -x test
           updateGitlabCommitStatus name: 'build', state: 'success'
         }
      }
    }
  }
post {
  success {
    script {
      withEnv(["MATTERMOST_WEBHOOK_URL=${MATTERMOST_WEBHOC
         sh """
           curl -s -o response.txt -w "%{http_code}" -H "Content-Type: appl
             -X POST \\
             -d '{
                "text": "V BACK CI 성공!\\n 🔗 Jenkins URL: ${env.BUILD_URI
             }' \\
```

```
"\$MATTERMOST_WEBHOOK_URL"
         11 11 11
      }
    }
  }
  failure {
    script {
      withEnv(["MATTERMOST_WEBHOOK_URL=${MATTERMOST_WEBHOC
        sh """
           curl -s -o response.txt -w "%{http_code}" -H "Content-Type: appl
             -X POST \\
             -d '{
               "text": "X BACK CI 실패!\\n 🔗 Jenkins URL: ${env.BUILD_URI
             }' \\
             "\$MATTERMOST_WEBHOOK_URL"
         11 11 11
      }
    }
 }
}
}
```

7.4 Back CD

```
pipeline {
   agent any

environment {
    MATTERMOST_WEBHOOK_URL = ""
   API_KEY_FILE = credentials('API_KEY_FILE')
   IMAGE_NAME = ""
   IMAGE_TAG = ""
   DOCKER_REPO = ""
```

```
}
stages {
  stage('Checkout') {
    steps {
      git branch: ", credentialsId: ", url: ""
    }
  }
  stage('Copy API Key File') {
    steps {
       script {
         sh '''
         chmod -R u+w ./back/memozy-api/src/main/resources/
         cp $API_KEY_FILE ./back/memozy-api/src/main/resources/applica
      }
    }
  }
  stage('Build JAR') {
    steps {
       script {
         echo "☑ Gradle 프로젝트 빌드 시작"
         echo "Setting JAVA_HOME to JDK 17"
         sh '''
         pwd
         ls
         cd back/memozy-api && chmod +x gradlew && ./gradlew build -x
         echo "☑ 빌드 완료"
      }
    }
  }
  stage('Build Docker Image') {
    steps {
       script {
```

```
echo "✓ Docker 이미지 빌드 시작"
          sh '''
          export PATH=$PATH:/usr/bin
          ls
          cd back/memozy-api # Dockerfile이 있는 경로로 이동
          docker build -t ${IMAGE_NAME}:${IMAGE_TAG} .
          echo "Ⅵ Docker 이미지 빌드 완료: ${IMAGE_NAME}:${IMAGE_TAG}
        }
      }
    }
    stage('Push Docker Image') {
      steps {
        script {
          withCredentials([
            usernamePassword(credentialsId: 'docker-hub-credentials', use
          ]) {
            echo " Docker Hub 로그인"
            sh '''
            echo "$DOCKER_PASSWORD" | docker login -u "$DOCKER_US
            echo "V Docker 이미지 태그 생성"
            sh '''
            docker tag "$IMAGE_NAME:$IMAGE_TAG" "$DOCKER_REPO:$I
            echo "Ⅵ Docker Hub로 이미지 푸시"
            sh '''
            docker push "$DOCKER_REPO:$IMAGE_TAG"
          }
        }
      }
    }
stage('Connect to EC2 and Deploy') {
```

```
steps {
    script {
      sshagent(['EC2_SSH']) {
        sh ""#!/bin/bash
ssh -o StrictHostKeyChecking=no ubuntu@k12a602.p.ssafy.io << 'ENDSSH'
echo "
▼ EC2에 접속 완료!"
docker stop memozy-app-prod || true
docker rm -f memozy-app-prod || true
docker pull tinyfrog/memozy-prod:latest
echo "₩ 도커 컨테이너 실행..."
docker run -d --name memozy-app-prod \
 --network app-network \
 -p 8080:8080 \
 -e SPRING_PROFILES_ACTIVE=prod \
 -v /home/ubuntu/memozy/server/logs:/var/log/memozy \
tinyfrog/memozy-prod:latest
echo "₩ 배포 완료!"
ENDSSH
      }
    }
 }
}
  }
  post {
  success {
    script {
      withEnv(["MATTERMOST_WEBHOOK_URL=${MATTERMOST_WEBHOC
```

```
sh """
           curl -s -o response.txt -w "%{http_code}" -H "Content-Type: appl
             -X POST \\
             -d '{
               "text": " ☑ BACK CD 성공!\\n ❷ Jenkins URL: ${env.BUILD_U
             "\$MATTERMOST_WEBHOOK_URL"
         11 11 11
      }
    }
  }
  failure {
    script {
      withEnv(["MATTERMOST_WEBHOOK_URL=${MATTERMOST_WEBHOC
           curl -s -o response.txt -w "%{http_code}" -H "Content-Type: appl
             -X POST \\
             -d '{
               "text": " ### 🗙 BACK CD 실패!\\n🔗 Jenkins URL: ${env.BUIL
             }' \\
             "\$MATTERMOST_WEBHOOK_URL"
         11 11 11
      }
    }
 }
}
}
```