



포팅메뉴얼

개발 환경

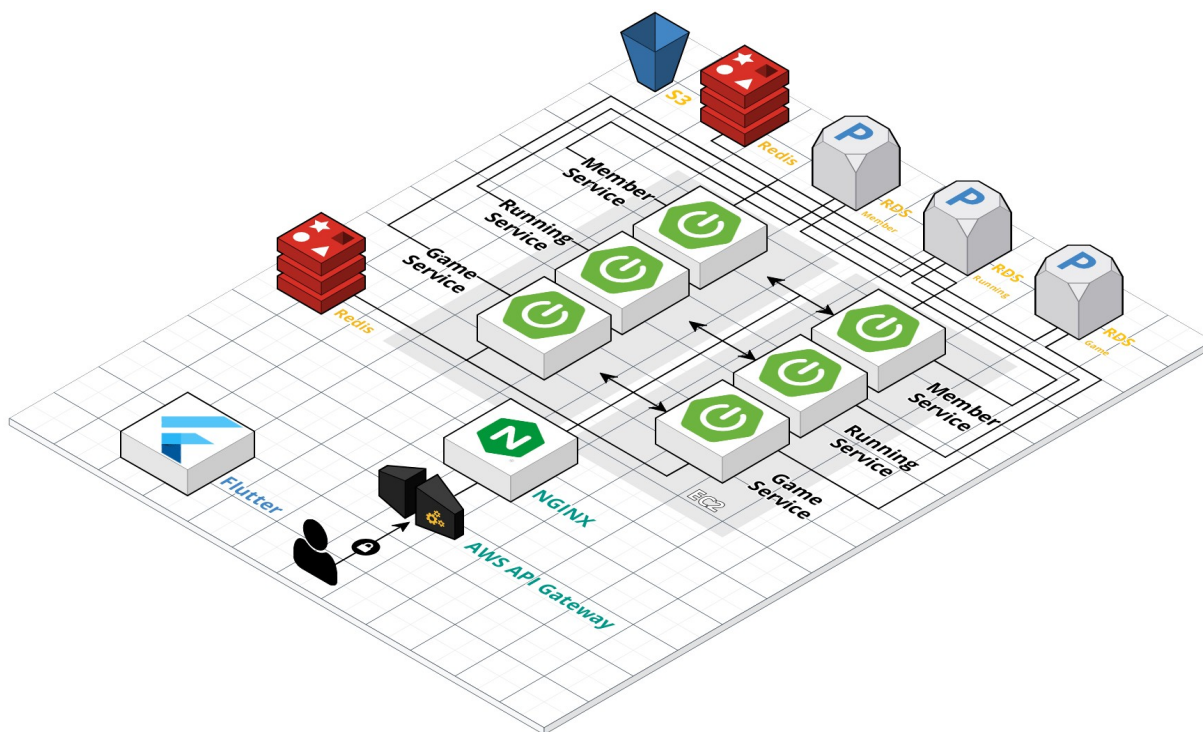
Frontend

Flutter	3.11.0
Dart	3.1.0

Backend

Spring Boot	2.7.10
Java	11
Gradle	gradle-7.6.1
Amazon RDS	8.0.32
Redis	7.0.11
NGINX	1.18.0

System Architecture



Docker

1. Member Service Docker File

```
# MEMBER Server

FROM adoptopenjdk/openjdk11 AS builder
COPY gradlew .
COPY gradle gradle
COPY build.gradle .
COPY settings.gradle .
COPY src src
RUN chmod +x ./gradlew
RUN ./gradlew bootJAR

FROM adoptopenjdk/openjdk11
COPY --from=builder build/libs/*.jar app.jar
EXPOSE 8080
ENTRYPOINT ["java", "-jar", "/app.jar"]
```

2. Running Service Docker File

```
# RUNNING Server

FROM adoptopenjdk/openjdk11 AS builder
COPY gradlew .
COPY gradle gradle
COPY build.gradle .
COPY settings.gradle .
COPY src src
RUN chmod +x ./gradlew
RUN ./gradlew bootJAR

FROM adoptopenjdk/openjdk11
COPY --from=builder build/libs/*.jar app.jar
EXPOSE 8081
ENTRYPOINT ["java", "-jar", "/app.jar"]
```

3. Game Service Docker File

```
# GAME Server

FROM adoptopenjdk/openjdk11 AS builder
COPY gradlew .
COPY gradle gradle
COPY build.gradle .
COPY settings.gradle .
COPY src src
RUN chmod +x ./gradlew
RUN ./gradlew bootJAR
```

```
FROM adoptopenjdk/openjdk11
COPY --from=builder build/libs/*.jar app.jar
EXPOSE 8082
ENTRYPOINT ["java", "-jar", "/app.jar"]
```

NGINX

nginx 설치후 etc/nginx 폴더내 nginx.conf 파일을 확인후 아래와 같은 설정이 적용되어있는지 확인합니다.

```
http{
    include /etc/nginx/conf.d/*.conf;
    include /etc/nginx/sites-enabled/*;
}
```

include가 되어있던 site-enabled 내에 있던 기존의 default 파일을 지운후 YgmgConfig파일을 아래와 같이 생성하였습니다.

```
upstream member {
    server 3.36.117.79:8080;
    server 3.39.250.198:8080;
}

upstream game {
    server 3.36.117.79:8082;
    server 3.39.250.198:8082;
}

upstream running {
    server 3.36.117.79:8081;
    server 3.39.250.198:8081;
}

server {
    listen 80;

    location /api/member {
        proxy_pass http://member;
    }

    location /api/game {
        proxy_pass http://game;
    }

    location /api/running {
        proxy_pass http://running;
    }
}
```

해당 설정후 nginx를 재실행하게 되면 /api/ {service명}으로 들어오게되면 upstream으로 선언된 주소로 로드밸런싱 되게 됩니다.

TeamCity

TeamCity는 JetBrains가 개발한 지속적인 통합(CI) 및 지속적인 배포(CD) 도구입니다. TeamCity는 소프트웨어 개발 프로세스를 자동화하고 효율적으로 관리하기 위해 사용됩니다.

TeamCity는 두 가지 주요 구성 요소로 구성됩니다: TeamCity 서버(Server)와 TeamCity 에이전트(Agent)입니다.

- TeamCity 서버(Server)
TeamCity 서버는 사용자 인터페이스를 제공하고 전반적인 시스템 관리를 담당합니다. 서버는 빌드 구성, 소스 코드 관리 설정, 빌드 실행 및 결과 보고서 생성과 같은 작업을 수행합니다. 사용자는 웹 브라우저를 통해 TeamCity 서버에 액세스하여 빌드 및 배포 작업을 관리하고 모니터링할 수 있습니다.
- TeamCity 에이전트(Agent)
TeamCity 에이전트는 실제 빌드 및 배포 작업을 수행하는 컴퓨터 또는 가상 머신입니다. 에이전트는 서버와 통신하여 빌드 및 테스트를 실행하고 결과를 서버로 보고합니다. 서버는 사용 가능한 에이전트 목록을 유지 관리하고 빌드 작업을 가능한 에이전트에 할당하여 분산 처리 및 병렬 실행을 지원합니다. 이를 통해 빌드 프로세스의 속도와 효율성을 향상시킬 수 있습니다.

DockerCompose로 Teamcity Server 설치하기

```
services:
  teamcity:
    image: jetbrains/teamcity-server:2022.04.2
    container_name: teamcity
    restart: always
    ports:
      - "8111:8111"
    volumes:
      - ./data:/data/teamcity_server/datadir
      - ./logs:/opt/teamcity/logs
```

DockerCompose로 Teamcity Agent 설치하기(아래는 Agent를 3개를 설치하는 예시입니다.)

```
services:
  teamcity-agent-01:
    image: jetbrains/teamcity-agent:2022.04.2-linux-sudo
    container_name: agent01
    restart: always
    user: root
    privileged: true
    ports:
      - 9090:9090
    environment:
      - SERVER_URL=http://k8c107.p.ssafy.io:8111
      - AGENT_NAME=agent01
```

```
- DOCKER_IN_DOCKER=start
teamcity-agent-02:
  image: jetbrains/teamcity-agent:2022.04.2-linux-sudo
  container_name: agent02
  restart: always
  user: root
  privileged: true
  ports:
    - 9091:9090
  environment:
    - SERVER_URL=http://k8c107.p.ssafy.io:8111
    - AGENT_NAME=agent02
    - DOCKER_IN_DOCKER=start

teamcity-agent-03:
  image: jetbrains/teamcity-agent:2022.04.2-linux-sudo
  container_name: agent03
  restart: always
  user: root
  privileged: true
  ports:
    - 9092:9090
  environment:
    - SERVER_URL=http://k8c107.p.ssafy.io:8111
    - AGENT_NAME=agent03
    - DOCKER_IN_DOCKER=start
```

설치가 완료 되었다면 <http://{인스턴스 주소}:8111> 로 접속합니다.



Log in to TeamCity



Username

Password

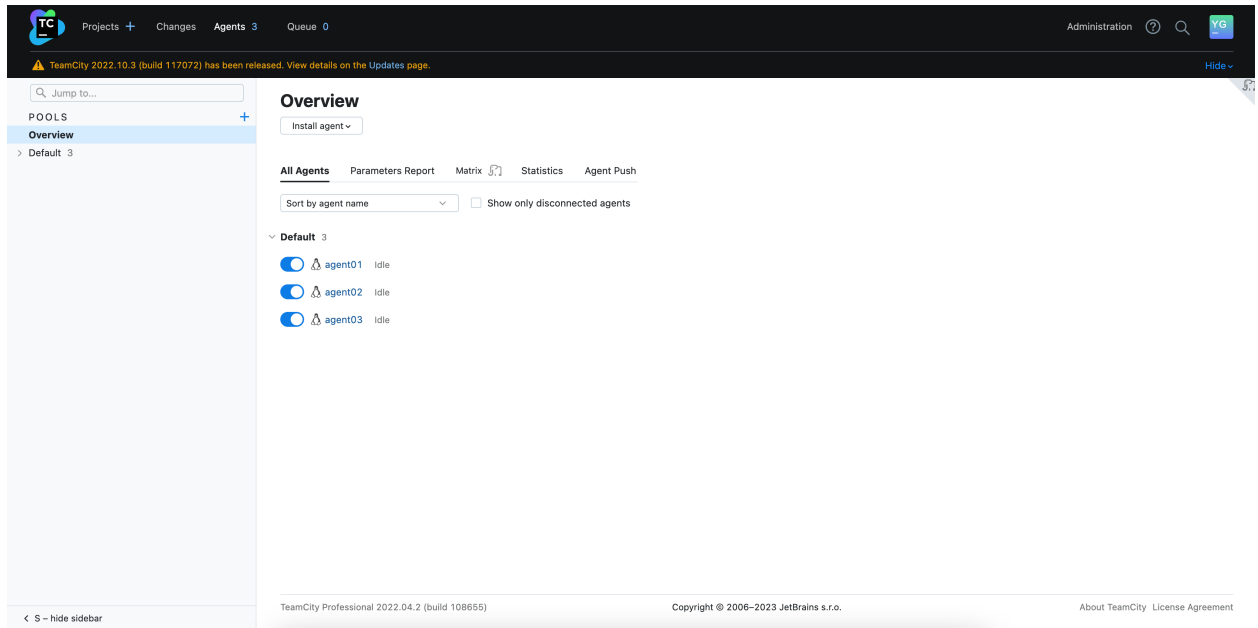
☒ Remember me

[Reset password](#)

Log in

Version 2022.04.2 (build 108655)

접속후 Server에서 Agent의 등록을 Authorize 해주게 되면 아래와 같이 Agent를 확인할수 있습니다.



아래는 빌드 파이프라인을 정의하는 구성 코드입니다.

```
package _Self.buildTypes

import jetbrains.buildServer.configs.kotlin.*
import jetbrains.buildServer.configs.kotlin.buildFeatures.dockerSupport
import jetbrains.buildServer.configs.kotlin.buildSteps.dockerCommand
import jetbrains.buildServer.configs.kotlin.buildSteps.gradle
import jetbrains.buildServer.configs.kotlin.triggers.vcs

object Build : BuildType({
    name = "Build"

    vcs {
        root(HttpsLabSsafyComS08finalS08p31c107gitRefsHeadsDevelop)
    }

    steps {
        gradle {
            name = "Build Running"
            tasks = "clean build"
            buildFile = "Backend/Running/build.gradle"
            gradleWrapperPath = "Backend/Running"
        }
        gradle {
            name = "Build Member"
            tasks = "clean build"
            buildFile = "Backend/Member/build.gradle"
            gradleWrapperPath = "Backend/Member"
        }
        gradle {
            name = "Build Game"
            tasks = "clean build"
        }
    }
})
```

```

        buildFile = "Backend/Game/build.gradle"
        gradleWrapperPath = "Backend/Game"
    }
    dockerCommand {
        name = "Build Running Docker image"
        commandType = build {
            source = file {
                path = "Backend/Running/Dockerfile"
            }
            namesAndTags = "peter5539/backend-running:latest"
            commandArgs = "--pull"
        }
    }
    dockerCommand {
        name = "Build Member Docker Image"
        commandType = build {
            source = file {
                path = "Backend/Member/Dockerfile"
            }
            namesAndTags = "peter5539/backend-member:latest"
            commandArgs = "--pull"
        }
    }
    dockerCommand {
        name = "Build Game Docker image"
        commandType = build {
            source = file {
                path = "Backend/Game/Dockerfile"
            }
            namesAndTags = "peter5539/backend-game:latest"
            commandArgs = "--pull"
        }
    }
    dockerCommand {
        name = "Running Docker Push"
        commandType = push {
            namesAndTags = "peter5539/backend-running:latest"
        }
    }
    dockerCommand {
        name = "Member Docker Push"
        commandType = push {
            namesAndTags = "peter5539/backend-member:latest"
        }
    }
    dockerCommand {
        name = "Game Docker Push"
        commandType = push {
            namesAndTags = "peter5539/backend-game:latest"
        }
    }
}

triggers {
    vcs {
    }
}

features {
    dockerSupport {
        loginToRegistry = on {
            dockerRegistryId = "PROJECT_EXT_2"
        }
    }
}
})

```


- VCS (Version Control System) 설정:
 - HTTPS를 통해 Git 저장소([HttpsLabSsaftyComS08finalS08p31c107gitRefsHeadsDevelop](https://lab.ssafty.com/S08finalS08p31c107gitRefsHeadsDevelop))를 사용하여 소스 코드를 가져옵니다.
- 빌드 단계(Steps):
 - Gradle을 실행하여 `Backend/Running/build.gradle` 파일에 정의된 빌드 작업을 수행합니다.
 - Gradle을 실행하여 `Backend/Member/build.gradle` 파일에 정의된 빌드 작업을 수행합니다.
 - Gradle을 실행하여 `Backend/Game/build.gradle` 파일에 정의된 빌드 작업을 수행합니다.
 - Docker 커맨드를 실행하여 `Backend/Running/Dockerfile` 을 기반으로 Docker 이미지를 빌드합니다.
 - Docker 커맨드를 실행하여 `Backend/Member/Dockerfile` 을 기반으로 Docker 이미지를 빌드합니다.
 - Docker 커맨드를 실행하여 `Backend/Game/Dockerfile` 을 기반으로 Docker 이미지를 빌드합니다.
 - Docker 이미지를 Docker 레지스트리에 푸시합니다.
- 트리거(Triggers):
 - VCS 변경을 감지하여 자동으로 빌드를 트리거합니다.
- 기능(Features):
 - Docker 지원 기능을 활성화하고, 프로젝트 확장 속성 `PROJECT_EXT_2` 를 사용하여 Docker 레지스트리에 로그인합니다.

아래는 배포 파이프라인을 정의하는 구성 코드입니다.

```
package _Self.buildTypes

import jetbrains.buildServer.configs.kotlin.*
import jetbrains.buildServer.configs.kotlin.buildSteps.sshExec
import jetbrains.buildServer.configs.kotlin.triggers.finishBuildTrigger

object Deploy : BuildType({
    name = "Deploy"

    enablePersonalBuilds = false
    type = BuildTypeSettings.Type.DEPLOYMENT
    maxRunningBuilds = 1

    steps {
        sshExec {
            name = "Member_Deploy"
            commands = """
                sudo docker stop backend-member
                sudo docker rm backend-member
                sudo docker image rm peter5539/backend-member
                sudo docker pull peter5539/backend-member:latest
                sudo docker run --name=backend-member -p 8080:8080 --restart=always -d peter5539/backend-member:latest
            """.trimIndent()
            targetUrl = "k8c107.p.ssafty.io"
            authMethod = uploadedKey {
```

```

        username = "ubuntu"
        key = "K8C107T.pem"
    }
}
sshExec {
    name = "Running_Deploy"
    commands = """
        sudo docker stop backend-running
        sudo docker rm backend-running
        sudo docker image rm peter5539/backend-running
        sudo docker pull peter5539/backend-running:latest
        sudo docker run --name=backend-running -p 8081:8081 --restart=always -d peter5539/backend-running:latest
    """.trimIndent()
    targetUrl = "k8c107.p.ssafy.io"
    authMethod = uploadedKey {
        username = "ubuntu"
        key = "K8C107T.pem"
    }
}
sshExec {
    name = "Game_Deploy"
    commands = """
        sudo docker stop backend-game
        sudo docker rm backend-game
        sudo docker image rm peter5539/backend-game
        sudo docker pull peter5539/backend-game:latest
        sudo docker run --name=backend-game -p 8082:8082 --restart=always -d peter5539/backend-game:latest
    """.trimIndent()
    targetUrl = "k8c107.p.ssafy.io"
    authMethod = uploadedKey {
        username = "ubuntu"
        key = "K8C107T.pem"
    }
}
}

triggers {
    finishBuildTrigger {
        buildType = "${Build.id}"
        successfulOnly = true
    }
}
}
})

```

- 배포(BuildType) 설정

- `name` 속성을 통해 배포 파이프라인의 이름을 지정합니다.
- `enablePersonalBuilds` 를 `false` 로 설정하여 개인 빌드를 비활성화합니다.
- `type` 속성을 `BuildTypeSettings.Type.DEPLOYMENT` 로 설정하여 배포 유형을 지정합니다.
- `maxRunningBuilds` 를 1로 설정하여 동시 실행되는 빌드의 최대 수를 제한합니다.

- 단계(Steps) 설정

- `sshExec` 를 사용하여 SSH를 통해 원격 호스트에 명령을 실행합니다.
- 각 단계(`Member_Deploy`, `Running_Deploy`, `Game_Deploy`)에서는 Docker 컨테이너를 정지하고, 삭제하고, 이미지를 제거한 후, 새로운 이미지를 풀(Pull)하고 컨테이너를 실행합니다.
- `targetUrl` 을 사용하여 배포할 대상 호스트를 지정합니다.
- `authMethod` 를 사용하여 SSH 인증 방법을 설정하고, `username` 과 `key` 를 지정합니다.

- 트리거(Triggers) 설정

- `finishBuildTrigger` 를 사용하여 이전 빌드의 완료를 트리거로 설정합니다.
- `buildType` 을 `${Build.id}` 로 설정하여 이전 빌드(Build)의 ID를 참조합니다.
- `successfulOnly` 를 `true` 로 설정하여 성공한 빌드에 대해서만 트리거를 발생시킵니다.

Amazon API Gateway

```
swagger: "2.0"
info:
  description: "니팡내땅 swagger api 입니다."
  version: "1.0.0"
  title: "YGMG Spring Boot REST API"
host: "xofp5xphrk.execute-api.ap-northeast-2.amazonaws.com"
basePath: "/ygm"
tags:
- name: "running-controller"
  description: "Running Controller"
schemes:
- "https"
paths:
  /api/game:
    get:
      responses:
        "200":
          description: "200 response"
  /api/game/area:
    put:
      responses:
        "200":
          description: "200 response"
  /api/game/area/day/{memberId}/{date}:
    get:
      parameters:
        - name: "memberId"
          in: "path"
          required: true
          type: "string"
        - name: "date"
          in: "path"
          required: true
          type: "string"
      responses:
        "200":
          description: "200 response"
  /api/game/area/game/{gameId}:
    get:
      parameters:
        - name: "gameId"
          in: "path"
          required: true
          type: "string"
      responses:
        "200":
          description: "200 response"
  /api/game/area/member/{memberId}:
    get:
      parameters:
        - name: "memberId"
          in: "path"
```

```

        required: true
        type: "string"
      responses:
        "200":
          description: "200 response"
    /api/game/area/member/{memberId}/{gameId}:
      get:
        parameters:
          - name: "memberId"
            in: "path"
            required: true
            type: "string"
          - name: "gameId"
            in: "path"
            required: true
            type: "string"
        responses:
          "200":
            description: "200 response"
    /api/game/area/{areaId}:
      get:
        parameters:
          - name: "areaId"
            in: "path"
            required: true
            type: "string"
        responses:
          "200":
            description: "200 response"
    /api/game/coordinate:
      post:
        responses:
          "200":
            description: "200 response"
    /api/game/coordinate/area/{areaId}:
      get:
        parameters:
          - name: "areaId"
            in: "path"
            required: true
            type: "string"
        responses:
          "200":
            description: "200 response"
    /api/game/gameId:
      get:
        responses:
          "200":
            description: "200 response"
    /api/game/ranking:
      post:
        responses:
          "200":
            description: "200 response"
    /api/game/ranking/count:
      get:
        responses:
          "200":
            description: "200 response"
    /api/game/ranking/sub:
      post:
        responses:
          "200":
            description: "200 response"
    /api/game/ranking/top:
      get:
        responses:
          "200":
            description: "200 response"
    /api/game/ranking/{memberId}:

```

```

get:
  parameters:
    - name: "memberId"
      in: "path"
      required: true
      type: "string"
  responses:
    "200":
      description: "200 response"
/api/game/result/{gameId}:
get:
  parameters:
    - name: "gameId"
      in: "path"
      required: true
      type: "string"
  responses:
    "200":
      description: "200 response"
/api/game/result/{gameId}/{memberId}:
get:
  parameters:
    - name: "memberId"
      in: "path"
      required: true
      type: "string"
    - name: "gameId"
      in: "path"
      required: true
      type: "string"
  responses:
    "200":
      description: "200 response"
/api/game/{gameId}:
get:
  parameters:
    - name: "gameId"
      in: "path"
      required: true
      type: "string"
  responses:
    "200":
      description: "200 response"
/api/member/app:
post:
  responses:
    "200":
      description: "200 response"
/api/member/check/{nickname}:
get:
  parameters:
    - name: "nickname"
      in: "path"
      required: true
      type: "string"
  responses:
    "200":
      description: "200 response"
/api/member/kakao:
post:
  responses:
    "200":
      description: "200 response"
/api/member/me/{memberId}:
get:
  parameters:
    - name: "memberId"
      in: "path"
      required: true
      type: "string"

```

```

    responses:
      "200":
        description: "200 response"
/api/member/mypage:
  get:
    parameters:
      - name: "Authorization"
        in: "header"
        required: false
        type: "string"
    responses:
      "200":
        description: "200 response"
/api/member/profiles:
  get:
    consumes:
      - "application/json"
    parameters:
      - name: "memberList"
        in: "query"
        required: true
        type: "string"
    responses:
      "200":
        description: "200 response"
/api/member/reissue:
  post:
    consumes:
      - "application/json"
    responses:
      "200":
        description: "200 response"
/api/running:
  post:
    tags:
      - "running-controller"
    summary: "런닝 기록 저장"
    description: "런닝 기록 저장합니다."
    operationId: "saveRunningRecordUsingPOST"
    consumes:
      - "application/json"
    produces:
      - "application/json"
    parameters:
      - in: "body"
        name: "RunningRequest"
        description: "runningRequest"
        required: true
        schema:
          $ref: "#/definitions/RunningRequest"
    responses:
      "200":
        description: "저장 성공"
        schema:
          $ref: "#/definitions/MODEL9c4bc6"
      "201":
        description: "Created"
      "401":
        description: "Unauthorized"
      "403":
        description: "Forbidden"
      "404":
        description: "Not Found"
/api/running/coordinate/{runningDetailId}:
  get:
    tags:
      - "running-controller"
    summary: "런닝 좌표 리스트 조회"
    description: "런닝 좌표 리스트를 조회합니다."
    operationId: "findRunningCoordinateUsingGET"

```

```

    produces:
      - "application/json"
    parameters:
      - name: "runningDetailId"
        in: "path"
        description: "runningDetailId"
        required: true
        type: "string"
    responses:
      "200":
        description: "조회 성공"
        schema:
          $ref: "#/definitions/RunningCoordinateResponse"
      "401":
        description: "Unauthorized"
      "403":
        description: "Forbidden"
      "404":
        description: "Not Found"
  /api/running/detail/sum:
    get:
      responses:
        "200":
          description: "조회 성공"
  /api/running/detail/{runningId}:
    get:
      tags:
        - "running-controller"
      summary: "런닝 상세 기록 조회"
      description: "런닝 상세 기록을 조회합니다."
      operationId: "findRunningRecordUsingGET"
      produces:
        - "application/json"
      parameters:
        - name: "runningId"
          in: "path"
          description: "runningId"
          required: true
          type: "string"
      responses:
        "200":
          description: "조회 성공"
          schema:
            $ref: "#/definitions/RunningResponse"
        "401":
          description: "Unauthorized"
        "403":
          description: "Forbidden"
        "404":
          description: "Not Found"
  /api/running/{memberId}:
    get:
      tags:
        - "running-controller"
      summary: "회원 단위 런닝 기록 전체 조회"
      description: "회원이 가지고 있는 런닝 내역을 조회합니다."
      parameters:
        - name: "memberId"
          in: "path"
          description: "memberId"
          required: true
          type: "string"
      responses:
        "200":
          description: "조회 성공"
  definitions:
    RunningCoordinateResponse:
      type: "object"
      properties:
        runningCoordinateList:

```

```

      type: "array"
      items:
        $ref: "#/definitions/RunningCoordinateDto"
      runningDetailId:
        type: "integer"
        format: "int64"
    title: "RunningCoordinateResponse"
  Coordinate:
    type: "object"
    properties:
      coordinateTime:
        type: "string"
      lat:
        type: "number"
        format: "double"
      lng:
        type: "number"
        format: "double"
    title: "Coordinate"
  MODEL9c4bc6:
    type: "object"
  RunningCoordinateDto:
    type: "object"
    properties:
      coordinateTime:
        type: "string"
      runningLat:
        type: "number"
        format: "double"
      runningLng:
        type: "number"
        format: "double"
    title: "RunningCoordinateDto"
  RunningResponse:
    type: "object"
    properties:
      runningDetailId:
        type: "integer"
        format: "int64"
      runningDistance:
        type: "number"
        format: "double"
      runningEnd:
        type: "string"
      runningKcal:
        type: "number"
        format: "double"
      runningMode:
        type: "string"
      runningPace:
        type: "number"
        format: "double"
      runningStart:
        type: "string"
      runningTime:
        type: "string"
    title: "RunningResponse"
  RunningRequest:
    type: "object"
    properties:
      coordinateList:
        type: "array"
        items:
          $ref: "#/definitions/Coordinate"
      memberId:
        type: "integer"
        format: "int64"
      runningDistance:
        type: "number"
        format: "double"

```



```

    runningEnd:
      type: "string"
    runningKcal:
      type: "number"
      format: "double"
    runningPace:
      type: "number"
      format: "double"
    runningStart:
      type: "string"
    runningTime:
      type: "string"
    title: "RunningRequest"

```

- 기본적으로 Amazon API Gateway는 SSL/TLS를 지원하며, API Gateway의 엔드포인트에 대한 HTTPS 액세스를 자동으로 제공합니다.
1. API Gateway의 엔드포인트는 HTTPS를 통해 보호됩니다. API Gateway가 생성한 엔드포인트는 SSL/TLS 인증서를 사용하여 암호화된 HTTPS 연결을 제공합니다.
 2. Amazon API Gateway는 사용자 정의 도메인 이름을 지원하며, 사용자는 API Gateway에 대해 자체 SSL/TLS 인증서를 구성할 수 있습니다. 이를 통해 사용자는 자체 도메인과 관련된 SSL/TLS 인증서를 사용하여 HTTPS 연결을 설정할 수 있습니다.

URL 호출: <https://xofp5xphrk.execute-api.ap-northeast-2.amazonaws.com/ygmg>

Flutter 라이브러리 파일

```

name: ygmg
description: ygmg Flutter project.
# The following line prevents the package from being accidentally published to
# pub.dev using `flutter pub publish`. This is preferred for private packages.
publish_to: 'none' # Remove this line if you wish to publish to pub.dev

# The following defines the version and build number for your application.
# A version number is three numbers separated by dots, like 1.2.43
# followed by an optional build number separated by a +.
# Both the version and the builder number may be overridden in flutter
# build by specifying --build-name and --build-number, respectively.
# In Android, build-name is used as versionName while build-number used as versionCode.
# Read more about Android versioning at https://developer.android.com/studio/publish/versioning
# In iOS, build-name is used as CFBundleShortVersionString while build-number is used as CFBundleVersion.
# Read more about iOS versioning at
# https://developer.apple.com/library/archive/documentation/General/Reference/InfoPlistKeyReference/Articles/CoreFound
ationKeys.html
# In Windows, build-name is used as the major, minor, and patch parts
# of the product and file versions while build-number is used as the build suffix.
version: 1.0.0+1

environment:
  sdk: '>=3.1.0-20.0.dev <4.0.0'

# Dependencies specify other packages that your package needs in order to work.
# To automatically upgrade your package dependencies to the latest versions
# consider running `flutter pub upgrade --major-versions`. Alternatively,

```

```

# dependencies can be manually updated by changing the version numbers below to
# the latest version available on pub.dev. To see which dependencies have newer
# versions available, run `flutter pub outdated`.
dependencies:
  flutter:
    sdk: flutter
  sensors:

  # The following adds the Cupertino Icons font to your application.
  # Use with the CupertinoIcons class for iOS style icons.
  cupertino_icons: ^1.0.2
  flutter_svg: ^2.0.5
  change_app_package_name: ^1.1.0
  google_maps_flutter: ^2.2.5
  slide_countdown: ^0.5.0
  fl_chart: ^0.62.0
  location: ^4.2.0
  sleek_circular_slider: ^2.0.1
  flutter_polyline_points: ^1.0.0
  google_maps_utils: ^1.5.0+0
  carousel_slider: ^4.2.1
  kakao_flutter_sdk: ^1.4.2
  dio: ^4.0.0
  flutter_secure_storage: ^8.0.0
  tap_to_expand: ^0.6.1
  image_picker: ^0.8.7+4
  shared_preferences: ^2.1.0
  flutter_riverpod: ^1.0.0
  http_parser: ^4.0.0
  intl: ^0.18.1
  rflutter_alert: ^2.0.4
  confetti: ^0.7.0
  flutter_image_compress: ^2.0.3

dev_dependencies:
  flutter_test:
    sdk: flutter

  # The "flutter_lints" package below contains a set of recommended lints to
  # encourage good coding practices. The lint set provided by the package is
  # activated in the `analysis_options.yaml` file located at the root of your
  # package. See that file for information about deactivating specific lint
  # rules and activating additional ones.
  flutter_lints: ^2.0.0

# For information on the generic Dart part of this file, see the
# following page: https://dart.dev/tools/pub/pubspec

# The following section is specific to Flutter packages.
flutter:

  # The following line ensures that the Material Icons font is
  # included with your application, so that you can use the icons in
  # the material Icons class.
  uses-material-design: true
  assets:
    - assets/images/
    - assets/style/

  # To add assets to your application, add an assets section, like this:
  # assets:
  #   - images/a_dot_burr.jpeg
  #   - images/a_dot_ham.jpeg

  # An image asset can refer to one or more resolution-specific "variants", see
  # https://flutter.dev/assets-and-images/#resolution-aware

  # For details regarding adding assets from package dependencies, see
  # https://flutter.dev/assets-and-images/#from-packages

```

```
# To add custom fonts to your application, add a fonts section here,  
# in this "flutter" section. Each entry in this list should have a  
# "family" key with the font family name, and a "fonts" key with a  
# list giving the asset and other descriptors for the font. For  
# example:
```

```
fonts:
```

```
- family: Yuiyeon
```

```
  fonts:
```

```
    - asset: fonts/yuiyeon.ttf
```

```
- family: NotoSans
```

```
  fonts:
```

```
    - asset: fonts/NotoSansKR-Black.otf
```

```
      weight: 900
```

```
    - asset: fonts/NotoSansKR-Bold.otf
```

```
      weight: 700
```

```
    - asset: fonts/NotoSansKR-Medium.otf
```

```
      weight: 500
```

```
    - asset: fonts/NotoSansKR-Regular.otf
```

```
      weight: 400
```

```
    - asset: fonts/NotoSansKR-Light.otf
```

```
      weight: 300
```

```
    - asset: fonts/NotoSansKR-Thin.otf
```

```
      weight: 100
```

```
# For details regarding fonts from package dependencies,
```

```
# see https://flutter.dev/custom-fonts/#from-packages
```