

포팅 메뉴얼

프로젝트 사용도구

이슈관리: Jira
형상관리: Gitlab
디자인: Figma
서버관리: Terminus
CI/CD: Jenkins
개발 툴: Visual Studio Code, IntelliJ
커뮤니케이션: Notion, MatterMost

버전 정보

Frontend

Visual Studio Code version: 1.85.1
Typescript: 5.4.4
React: 18.2.0
Zustand: 4.5.2
Styled-components: 6.1.9
Webpack: 5.91.0

Backend

IntelliJ: 2023.3.1
Java: 17
Spring Boot: 3.2.5
Gradle: 8.7
MySQL: 8.0.35
Redis: 7.2.4

Service

Ubuntu: 20.04.6
Nginx: 1.18.0
Docker: 26.1.0
Jenkins: 2.455
Sonarqube: 5.1.16

외부 서비스

Google Cloud: build.gradle 파일에 정의
Clova Speech: build.gradle 파일에 정의
Youtube API: build.gradle 파일에 정의
AWS S3: application.yml 파일에 정의

환경 변수

Frontend

- .env

```
REACT_APP_API_URL=https://bridgetalk.co.kr/api
REACT_APP_SECURE_CODE=react_key
```

Backend

- application.yml

```
server:
  port: 8081

spring:
  h2:
    console:
      enabled: true

  jpa:
    show_sql: true
    hibernate:
      ddl-auto: update
    properties:
      dialect: dialect=org.hibernate.dialect.MySQL8Dialect
    open-in-view: false

  profiles:
    include: secret

  datasource:
    driver-class-name: com.mysql.cj.jdbc.Driver
    url: jdbc:mysql://${EC2_HOST}:3306/${DATABASE_NAME}
    username: ${EC2_USERNAME}
    password: ${EC2_PASSWORD}

  servlet:
    multipart:
      max-file-size: 20MB # 최대 파일 사이즈
      max-request-size: 20MB # 최대 요청 사이즈

# aws s3
cloud:
  aws:
    credentials:
      access-key: ${S3_ACCESS_KEY}
      secret-key: ${S3_SECRET_KEY}
    s3:
      bucket: ${S3_BUCKET_NAME}
      region:
        static: ${S3_REGION_STATIC}
      stack:
        auto: false

  cache:
    type: redis
```

```

data:
  redis:
    host: ${CACHE_REDIS_HOST}
    port: ${CACHE_REDIS_PORT}
    password: ${CACHE_REDIS_PASSWORD}

# swagger 설정
springdoc:
  swagger-ui:
    groups-order: desc
    tags-sorter: alpha
    operations-sorter: method
    disable-swagger-default-url: true
    display-request-duration: true
    default-models-expand-depth: 2
    default-model-expand-depth: 2
  api-docs:
    path: /api-docs
  show-actuator: true
  default-consumes-media-type: application/json
  default-produces-media-type: application/json
  writer-with-default-pretty-printer: true
  model-and-view-allowed: true
  paths-to-match:
    - /api/**

```

EC2 서버 세팅

포트 설정

```

# 포트확인
#----- netstat -----
# net-tools 다운로드
$ sudo apt install net-tools

# 모든 포트 확인
$ netstat -tnlp
(Not all processes could be identified, non-owned process info
will not be shown, you would have to be root to see it all.)
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:22               0.0.0.0:*               LISTEN      -

# 열려있는 특정 포트 번호만 확인
$ netstat -tnlp : grep 포트번호

#----- ufw -----
ubuntu@ip:~$ sudo ufw status
Status: active

To Action From
--
22 ALLOW Anywhere
8989 ALLOW Anywhere
443 ALLOW Anywhere

```

22 (v6)	ALLOW	Anywhere (v6)
8989 (v6)	ALLOW	Anywhere (v6)
443 (v6)	ALLOW	Anywhere (v6)

```
# 방화벽 허용
# jenkins
$ sudo ufw allow 8080/tcp
# mysql
$ sudo ufw allow 3306/tcp
# springboot(back)
$ sudo ufw allow 8081/tcp
# redis
$ sudo ufw allow 6379/tcp
# sonarqube
$ sudo ufw allow 9000/tcp
```

```
# 방화벽 리로드
$ sudo ufw reload
Firewall reloaded
```

필요 패키지 설치

```
# java 17 jdk 설치
$ sudo apt install openjdk-17-jdk

# 자바 버전 확인
$ java -version
openjdk 17.0.10 2024-01-16
OpenJDK Runtime Environment (build 17.0.10+7-Ubuntu-120.04.1)
OpenJDK 64-Bit Server VM (build 17.0.10+7-Ubuntu-120.04.1, mixed mode, sharing)

....
```

디렉터리 구조

- front

```
📁bridgetalk-front
├── 📁public
│   ├── 📁@ffmpeg
│   │   └── 📁core
│   │       ├── 📁dist
│   │       │   ├── 📁esm
│   │       │   │   ├── 📄ffmpeg-core.js
│   │       │   │   └── 📄ffmpeg-core.wasm
│   │       │   └── 📁umd
│   │       │       ├── 📄ffmpeg-core.js
│   │       │       └── 📄ffmpeg-core.wasm
│   │       └── 📄package.json
│   └── 📁assets
│       ├── 📁dino
│       │   ├── 📁D1
│       │   │   ├── 📄cute.glb
│       │   │   └── 📄D1.png
```

```
| | | | └─ happy.glb  
| | | | └─ hello.glb  
| | | | └─ idle.glb  
| | | | └─ no.glb  
| | | | └─ sick.glb  
| | | |   └─ yes.glb  
| | | └─ 📁 D2  
| | | | └─ cute.glb  
| | | | └─ D2.png  
| | | | └─ happy.glb  
| | | | └─ hello.glb  
| | | | └─ idle.glb  
| | | | └─ no.glb  
| | | | └─ sick.glb  
| | | |   └─ yes.glb  
| | | └─ 📁 D3  
| | | | └─ cute.glb  
| | | | └─ D3.png  
| | | | └─ happy.glb  
| | | | └─ hello.glb  
| | | | └─ idle.glb  
| | | | └─ no.glb  
| | | | └─ sick.glb  
| | | |   └─ yes.glb  
| | | └─ 📁 D4  
| | | | └─ cute.glb  
| | | | └─ D4.png  
| | | | └─ happy.glb  
| | | | └─ hello.glb  
| | | | └─ idle.glb  
| | | | └─ no.glb  
| | | | └─ sick.glb  
| | | |   └─ yes.glb  
| | | └─ 📁 D5  
| | | | └─ cute.glb  
| | | | └─ D5.png  
| | | | └─ happy.glb  
| | | | └─ hello.glb  
| | | | └─ idle.glb  
| | | | └─ no.glb  
| | | | └─ sick.glb  
| | | |   └─ yes.glb  
| | | └─ 📁 D6  
| | | | └─ cute.glb  
| | | | └─ D6.png  
| | | | └─ happy.glb  
| | | | └─ hello.glb  
| | | | └─ idle.glb  
| | | | └─ no.glb  
| | | | └─ sick.glb  
| | | |   └─ yes.glb  
| | | └─ inCom.glb  
| | | └─ inCom2.glb  
| | | └─ mycom.glb  
| | | └─ otherPos.glb  
| | |   └─ pinkSick.glb  
| | └─ 📁 favicon  
| | └─ apple-touch-icon-114x114.png
```

```

| | | | | apple-touch-icon-120x120.png
| | | | | apple-touch-icon-144x144.png
| | | | | apple-touch-icon-152x152.png
| | | | | apple-touch-icon-57x57.png
| | | | | apple-touch-icon-60x60.png
| | | | | apple-touch-icon-72x72.png
| | | | | apple-touch-icon-76x76.png
| | | | | code.txt
| | | | | favicon-128.png
| | | | | favicon-16x16.png
| | | | | favicon-196x196.png
| | | | | favicon-32x32.png
| | | | | favicon-96x96.png
| | | | | favicon.ico
| | | | | logo.png
| | | | | mstile-144x144.png
| | | | | mstile-150x150.png
| | | | | mstile-310x150.png
| | | | | mstile-310x310.png
| | | | | mstile-70x70.png
| | | | | flag
| | | | | kor.png
| | | | | ph.png
| | | | | viet.png
| | | | | img
| | | | | | child
| | | | | | | game
| | | | | | | | drawing
| | | | | | | | | eraser.svg
| | | | | | | | | shape_arrowdown.svg
| | | | | | | | | shape_arrowleft.svg
| | | | | | | | | shape_arrowright.svg
| | | | | | | | | shape_arrowtop.svg
| | | | | | | | | shape_circle.svg
| | | | | | | | | shape_fivestar.svg
| | | | | | | | | shape_fourstar.svg
| | | | | | | | | shape_line.svg
| | | | | | | | | shape_line2.svg
| | | | | | | | | shape_pentagon.svg
| | | | | | | | | shape_rect.svg
| | | | | | | | | shape_rhombus.svg
| | | | | | | | | shape_sexangle.svg
| | | | | | | | | shape_triangle.svg
| | | | | | | | | thickline1.svg
| | | | | | | | | thickline2.svg
| | | | | | | | | thickline3.svg
| | | | | | | | | thickline4.svg
| | | | | | | | | thickness.svg
| | | | | | | | barotSaya.png
| | | | | | | | bottom.png
| | | | | | | | candyBackground.png
| | | | | | | | capture.svg
| | | | | | | | finishTitle.svg
| | | | | | | | gameBackground.png
| | | | | | | | gameTitle.svg
| | | | | | | | leftForearm.png
| | | | | | | | rightForearm.png
| | | | | | | | toDress.svg

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```
| | | | | └─ 📄 toHelp.svg  
| | | | | └─ 📄 toHome.svg  
| | | | | └─ 🖼️ top.png  
| | | | |   ├─ 📄 toPuzzle.svg  
  
| | | | | └─ 📄 back.svg  
| | | | | └─ 📄 homeIcon.svg  
| | | | | └─ 📄 save.svg  
| | | | | └─ 📄 shot1.svg  
| | | | | └─ 📄 shot2.svg  
| | | | | └─ 📄 shot3.svg  
| | | | | └─ 📄 shot4.svg  
| | | | | └─ 📄 shot5.svg  
| | | | | └─ 📄 shot6.svg  
| | | | | └─ 📄 shot7.svg  
| | | | | └─ 📄 shot8.svg  
| | | | | └─ 📄 toGame.svg  
| | | | | └─ 📄 toMessage.svg  
| | | | |   └─ 📄 toTalk.svg  
  
| | | └─ 📁 icon  
| | |   │├─ 📄 toBack.svg  
  
| | | └─ 📁 main  
| | |   │├─ 📄 addProfile.svg  
| | |   │├─ 📄 backButton.svg  
| | |   │├─ 📄 comingSoon.svg  
| | |   │├─ 📄 deleteicon.svg  
| | |   │├─ 📄 editProfile.svg  
| | |   │├─ 📄 editProfileIcon.svg  
| | |   │├─ 📄 emailicon.svg  
| | |   │├─ 📄 emailverifynumbericon.svg  
| | |   │├─ 📄 login.svg  
| | |   │├─ 📄 logout.svg  
| | |   │├─ 🖼️ mainBackground.png  
| | |   │├─ 📄 nameicon.svg  
| | |   │├─ 📄 newProfile.svg  
| | |   │├─ 📄 nicknameicon.svg  
| | |   │├─ 📄 passwordcheckicon.svg  
| | |   │├─ 📄 passwordicon.svg  
| | |   │├─ 📄 profile.svg  
| | |   │├─ 📄 saveIcon.svg  
| | |   │├─ 📄 selectCharacter.svg  
| | |   │├─ 📄 selectYourCountry.svg  
| | |   │├─ 📄 setting.svg  
| | |   │├─ 📄 shot1.svg  
| | |   │├─ 📄 shot2.svg  
| | |   │├─ 📄 shot3.svg  
| | |   │├─ 📄 shot4.svg  
| | |   │├─ 📄 star.svg  
| | |   │   └─ 📄 titleLogo.svg  
  
| | | └─ 📁 parent  
| | |   │├─ 📁 community  
| | |   ││├─ 📄 back.svg  
| | |   ││├─ 📄 favor_empty.svg  
| | |   ││├─ 📄 favor_solid.svg  
| | |   ││├─ 📄 like_empty.svg  
| | |   ││├─ 📄 like_solid.png  
| | |   ││├─ 📄 like_solid.svg  
| | |   ││├─ 📄 search_empty.svg  
| | |   ││└─ 📄 search_solid.svg
```

```
| | | | | └─ share.svg
| | | | | └─ write_empty.svg
| | | | | └─ write_solid.svg
| | | | | └─ navbar
| | | | |   ├─ community_off.svg
| | | | |   ├─ community_on.svg
| | | | |   ├─ home_off.svg
| | | | |   ├─ home_on.svg
| | | | |   ├─ info_off.svg
| | | | |   ├─ info_on.svg
| | | | |   ├─ message_off.svg
| | | | |   ├─ message_on.svg
| | | | |   ├─ nurture_off.svg
| | | | |   └─ nurture_on.svg
| | | | | └─ bridgeTalkLogo.svg
| | | | | └─ dino.svg
| | | | | └─ edu.svg
| | | | | └─ empty.svg
| | | | | └─ heart.svg
| | | | | └─ homeIcon.svg
| | | | | └─ noReports.svg
| | | | | └─ nurture.svg
| | | | └─ pic
| | | |   ├─ blue.svg
| | | |   ├─ Cercle.png
| | | |   ├─ childBackground.png
| | | |   ├─ childMenu.svg
| | | |   ├─ end.svg
| | | |   ├─ envelop.svg
| | | |   ├─ gameMenu.svg
| | | |   ├─ halongbay.jpg
| | | |   ├─ home3D.svg
| | | |   ├─ mailbox.svg
| | | |   ├─ menu1.png
| | | |   ├─ menu2.png
| | | |   ├─ message.svg
| | | |   ├─ pink.svg
| | | |   ├─ talkBackground.png
| | | |   ├─ talkLogo.svg
| | | |   ├─ talkMenu.svg
| | | |   └─ 주니토니_베트남.png
| | | └─ backButton.svg
| | | └─ bridgetalk_red.svg
| | | └─ cloth.png
| | | └─ D1.svg
| | | └─ D2.svg
| | | └─ D3.svg
| | | └─ D4.svg
| | | └─ D5.svg
| | | └─ D6.svg
| | | └─ dino.svg
| | | └─ homeIcon.svg
| | | └─ ktv.svg
| | | └─ letter.svg
| | | └─ main_bg.png
| | | └─ nexticon.svg
| | | └─ nextTriangle.svg
| | | └─ parent_bg.png
```



```

| | | └─ 📄 previcon.svg
| | | └─ 📄 prevTriangle.svg
| | | └─ 📄 signinicon.svg
| | | └─ 📄 signupicon.svg
| | | └─ 📄 vtk.svg
| | └─ 📁 three
| | | └─ 📄 armchair_007(Clone).glb
| | | └─ 📄 Backyard_Tree.glb
| | | └─ 📄 Backyard_Watering_Can.glb
| | | └─ 📄 Bathroom2_duck.glb
| | | └─ 📄 Bedroom_2_Cactus.glb
| | | └─ 📄 Bedroom_2_Vase.glb
| | | └─ 📄 Childrens_Room_Horse.glb
| | | └─ 📄 Childrens_Room_Teddy.glb
| | | └─ 📄 Childroom2_skateboard.glb
| | | └─ 📄 closet_003(Clone).glb
| | | └─ 📄 Dinosaur.glb
| | | └─ 📄 Duck.glb
| | | └─ 📄 entertainment_003(Clone).glb
| | | └─ 📄 entertainment_019(Clone).glb
| | | └─ 📄 Garage_Car.glb
| | | └─ 📄 Gnome.glb
| | | └─ 📄 handheld_01.glb
| | | └─ 📄 handheld_03.glb
| | | └─ 📄 Headphones1.glb
| | | └─ 📄 Joystick.glb
| | | └─ 📄 Kitchen_Plant3.glb
| | | └─ 📄 Kitchen_Plant4.glb
| | | └─ 📄 Kitchen_Vase.glb
| | | └─ 📄 Livingroom2_Ball.glb
| | | └─ 📄 Livingroom2_Toy.glb
| | | └─ 📄 Mailbox.glb
| | | └─ 📄 Panda_Toy.glb
| | | └─ 📄 Patio_Bush_1.glb
| | | └─ 📄 Patio_Bush_2.glb
| | | └─ 📄 Patio_Gnome.glb
| | | └─ 📄 Patio_Tea_set.glb
| | | └─ 📄 Playground_Ball.glb
| | | └─ 📄 Playground_bucket2.glb
| | | └─ 📄 Playground_chil_car1.glb
| | | └─ 📄 Playground_Chil_Car2.glb
| | | └─ 📄 Playground_figurine_circles2.glb
| | | └─ 📄 Playground_figurine_cubes.glb
| | | └─ 📄 Playground_figurine_triangles.glb
| | | └─ 📄 Playground_rakes.glb
| | | └─ 📄 Playground_Tree.glb
| | | └─ 📄 Teddy_bear.glb
| | | └─ 📄 toy_016(Clone).glb
| | | └─ 📄 toy_017(Clone).glb
| | | └─ 📄 toy_036(Clone).glb
| | └─ 📄 android-chrome-144x144 copy.png
| | └─ 📄 android-chrome-144x144.png
| | └─ 📄 android-chrome-192x192.png
| | └─ 📄 android-chrome-256x256.png
| | └─ 📄 android-chrome-36x36.png
| | └─ 📄 android-chrome-384x384.png
| | └─ 📄 android-chrome-48x48.png
| | └─ 📄 android-chrome-512x512.png

```

- | | └─  android-chrome-72x72.png
- | | └─  android-chrome-96x96.png
- | | └─  apple-touch-icon-1024x1024.png
- | | └─  apple-touch-icon-114x114.png
- | | └─  apple-touch-icon-120x120.png
- | | └─  apple-touch-icon-144x144.png
- | | └─  apple-touch-icon-152x152.png
- | | └─  apple-touch-icon-167x167.png
- | | └─  apple-touch-icon-180x180.png
- | | └─  apple-touch-icon-57x57.png
- | | └─  apple-touch-icon-60x60.png
- | | └─  apple-touch-icon-72x72.png
- | | └─  apple-touch-icon-76x76.png
- | | └─  apple-touch-icon-precomposed.png
- | | └─  apple-touch-icon.png
- | | └─  apple-touch-startup-image-1125x2436.png
- | | └─  apple-touch-startup-image-1136x640.png
- | | └─  apple-touch-startup-image-1170x2532.png
- | | └─  apple-touch-startup-image-1179x2556.png
- | | └─  apple-touch-startup-image-1242x2208.png
- | | └─  apple-touch-startup-image-1242x2688.png
- | | └─  apple-touch-startup-image-1284x2778.png
- | | └─  apple-touch-startup-image-1290x2796.png
- | | └─  apple-touch-startup-image-1334x750.png
- | | └─  apple-touch-startup-image-1488x2266.png
- | | └─  apple-touch-startup-image-1536x2048.png
- | | └─  apple-touch-startup-image-1620x2160.png
- | | └─  apple-touch-startup-image-1640x2160.png
- | | └─  apple-touch-startup-image-1668x2224.png
- | | └─  apple-touch-startup-image-1668x2388.png
- | | └─  apple-touch-startup-image-1792x828.png
- | | └─  apple-touch-startup-image-2048x1536.png
- | | └─  apple-touch-startup-image-2048x2732.png
- | | └─  apple-touch-startup-image-2160x1620.png
- | | └─  apple-touch-startup-image-2160x1640.png
- | | └─  apple-touch-startup-image-2208x1242.png
- | | └─  apple-touch-startup-image-2224x1668.png
- | | └─  apple-touch-startup-image-2266x1488.png
- | | └─  apple-touch-startup-image-2388x1668.png
- | | └─  apple-touch-startup-image-2436x1125.png
- | | └─  apple-touch-startup-image-2532x1170.png
- | | └─  apple-touch-startup-image-2556x1179.png
- | | └─  apple-touch-startup-image-2688x1242.png
- | | └─  apple-touch-startup-image-2732x2048.png
- | | └─  apple-touch-startup-image-2778x1284.png
- | | └─  apple-touch-startup-image-2796x1290.png
- | | └─  apple-touch-startup-image-640x1136.png
- | | └─  apple-touch-startup-image-750x1334.png
- | | └─  apple-touch-startup-image-828x1792.png
- | | └─  appLogo.png
- | | └─  browserconfig.xml
- | | └─  favicon-16x16.png
- | | └─  favicon-32x32.png
- | | └─  favicon-48x48.png
- | | └─  favicon.ico
- | | └─  manifest.webmanifest
- | | └─  mstile-144x144.png
- | | └─  mstile-150x150.png

```
| | └─ 📄 mstile-310x150.png
| | └─ 📄 mstile-310x310.png
| | └─ 📄 mstile-70x70.png
| | └─ 📄 yandex-browser-50x50.png
| |   └─ 📄 yandex-browser-manifest.json
| └─ 📄 814.ffmpeg.js
| └─ 📄 blender.png
| └─ 📄 index.html
| └─ 📄 manifest.json
|   └─ 📄 maskable_icon_x192.png
└─ 📁 src
    │ └─ 📁 app
    │   │ └─ 📄 app.tsx
    │   │ └─ 📄 appPreloader.tsx
    │   │ └─ 📄 appRoutes.tsx
    │   │   └─ 📄 serviceWorker.js
    │   └─ 📁 assets
    │     │ └─ 📁 fonts
    │     │   │ └─ 📄 CherryBombOne-Regular.ttf
    │     │   │ └─ 📄 DNFBitBitv2.ttf
    │     │   │ └─ 📄 Pretendard-Black.otf
    │     │   │   └─ 📄 Pretendard-Medium.ttf
    │   └─ 📁 pages
    │     │ └─ 📁 child
    │     │   │ └─ 📁 model
    │     │   │   │ └─ 📁 decodeFormData
    │     │   │   │   └─ 📄 decodeFormData.ts
    │     │   │   │ └─ 📁 getAvgVolume
    │     │   │   │   └─ 📄 getAvgVolume.tsx
    │     │   │   │ └─ 📁 getDinoEmotion
    │     │   │   │   └─ 📄 getDinoEmotion.ts
    │     │   │   │ └─ 📁 handleTalkEnd
    │     │   │   │   └─ 📄 handleTalkEnd.ts
    │     │   │   │ └─ 📁 handleTalkSend
    │     │   │   │   └─ 📄 handleTalkSend.ts
    │     │   │   │ └─ 📁 handleTalkStart
    │     │   │   │   └─ 📄 handleTalkStart.ts
    │     │   │   │ └─ 📁 webmToMp3
    │     │   │   │   └─ 📄 webmToMp3.ts
    │     │   │   └─ 📄 index.ts
    │     │   └─ 📁 query
    │     │     │ └─ 📁 getTalkStart
    │     │     │   └─ 📄 getTalkStart.ts
    │     │     │ └─ 📁 getTalkStop
    │     │     │   └─ 📄 getTalkStop.ts
    │     │     │ └─ 📁 getTalkUpdate
    │     │     │   └─ 📄 getTalkUpdate.ts
    │     │     │ └─ 📁 postMakeReport
    │     │     │   └─ 📄 postMakeReport.ts
    │     │     │ └─ 📁 postSendTalk
    │     │     │   └─ 📄 postSendTalk.ts
    │     │     └─ 📄 index.ts
    │     └─ 📁 store
    │       │ └─ 📁 useTalkStore
    │       │   └─ 📄 useTalkStore.ts
    │       └─ 📄 index.ts
    │ └─ 📁 ui
    │   │ └─ 📁 game
```

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| | | | | | └─ components
| | | | | |   └─ game.tsx
| | | | | | └─ draw
| | | | | |   └─ components
| | | | | |     └─ canvas.tsx
| | | | | |     └─ drawingPage.tsx
| | | | | |       └─ toolBar.tsx
| | | | | | └─ dress
| | | | | |   └─ utils
| | | | | |     └─ drawParts.ts
| | | | | |   └─ coloringPage.tsx
| | | | | |   └─ dressingPage.tsx
| | | | | | └─ puzzle
| | | | | |   └─ item
| | | | | |     └─ stageItem.tsx
| | | | | |   └─ finishPage.tsx
| | | | | |   └─ puzzlePage.tsx
| | | | | |     └─ stagePage.tsx
| | | | | |   └─ gamingPage.tsx
| | | | | └─ talk
| | | | |   └─ components
| | | | |     └─ item
| | | | |       └─ messageListItem.tsx
| | | | |   └─ cameraControl.tsx
| | | | |   └─ dino.tsx
| | | | |   └─ index.ts
| | | | |   └─ message.tsx
| | | | |   └─ messageList.tsx
| | | | |     └─ talkingComponents.tsx
| | | | |   └─ messagePage.tsx
| | | | |   └─ talkingPage.tsx
| | | | |     └─ warningPage.tsx
| | | | └─ childPage.tsx
| | |   └─ index.ts
| | └─ index.ts
| └─ errorPage
|   └─ ui
|     └─ errorPage
|       └─ errorPage.tsx
|       └─ index.ts
|     └─ index.ts
| └─ main
|   └─ model
|     └─ handleFetchProfileList
|       └─ handleFetchProfileList.ts
|     └─ handleNicknameCheck
|       └─ handleNicknameCheck.ts
|     └─ handlePasswordCheck
|       └─ handlePasswordCheck.ts
|     └─ handleProfileLogin
|       └─ handleProfileLogin.ts
|     └─ handleSignin
|       └─ handleSignin.ts
|     └─ handleSignup
|       └─ handleSignup.ts
|     └─ validateEmail
|       └─ validateEmail.ts
|     └─ validateName
```

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| | | | | └─ validateName.ts
| | | | |   ├─ validateNickname
| | | | |     └─ validateNickname.ts
| | | | |   ├─ validatePassword
| | | | |     └─ validatePassword.ts
| | | | |   └─ index.ts
| | | | └─ query
| | | |   ├─ deleteDeleteProfile
| | | |     └─ deleteDeleteProfile.tsx
| | | |   ├─ getNicknameCheck
| | | |     └─ getNicknameCheck.ts
| | | |   ├─ getProfileList
| | | |     └─ getProfileList.ts
| | | |   ├─ patchEditProfile
| | | |     └─ patchEditProfile.tsx
| | | |   ├─ postAddProfile
| | | |     └─ postAddProfile.tsx
| | | |   ├─ postProfileLogin
| | | |     └─ postProfileLogin.ts
| | | |   ├─ postSignin
| | | |     └─ postSignin.ts
| | | |   ├─ postSignup
| | | |     └─ postSignup.tsx
| | | |   └─ index.ts
| | | |   └─ login.ts
| | | |   └─ register.ts
| | | | └─ store
| | | |   ├─ useProfileStore
| | | |     └─ useProfileStore.ts
| | | |   ├─ useSignupStore
| | | |     └─ useSignupStore.ts
| | | |   ├─ useUserStore
| | | |     └─ useUserStore.ts
| | | |   └─ index.ts
| | | |   └─ profile.ts
| | | |   └─ user.ts
| | | | └─ ui
| | | |   ├─ guard
| | | |     └─ loginGuard.tsx
| | | |   ├─ main
| | | |     └─ main.tsx
| | | |   ├─ profile
| | | |     ├─ components
| | | |       └─ item
| | | |         ├── character.tsx
| | | |         ├── dinoSelect.tsx
| | | |         └── profile.tsx
| | | |     └─ inputName.tsx
| | | |     └─ selectCharacter.tsx
| | | |     └─ confirmAccessPage.tsx
| | | |     └─ confirmPassword.tsx
| | | |     └─ deleteProfilePage.tsx
| | | |     └─ editProfilePage.tsx
| | | |     └─ profilePage.tsx
| | | |   └─ sign
| | | |     ├─ components
| | | |       └─inputEmail.tsx
| | | |     └─ inputName.tsx
```

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| | | | | | | └─ 📄 selectCountry.tsx
| | | | | | |   └─ 📄 selectDino.tsx
| | | | | | | └─ 📄 signInPage.tsx
| | | | | | |   └─ 📄 signUpPage.tsx
| | | | | | | └─ 📁 start
| | | | | | |   └─ 📄 startPage.tsx
| | | | | | |     └─ 📄 index.ts
| | | | | └─ 📄 index.ts
| | | └─ 📁 parent
| | |   └─ 📁 model
| | |     └─ 📁 handleNurtureInfoDetail
| | |       └─ 📄 handleNurtureInfoDetail.ts
| | |     └─ 📁 handleNurtureInfoList
| | |       └─ 📄 handleNurtureInfoList.ts
| | |     └─ 📁 handleSearchBoard
| | |       └─ 📄 handleSearchBoard.ts
| | |     └─ 📄 index.ts
| | |   └─ 📁 query
| | |     └─ 📁 deleteBoardLike
| | |       └─ 📄 deleteBoardLike.ts
| | |     └─ 📁 deleteCommentLike
| | |       └─ 📄 deleteCommentLike.ts
| | |     └─ 📁 getBoardDetail
| | |       └─ 📄 getBoardDetail.ts
| | |     └─ 📁 getBoardLikeCheck
| | |       └─ 📄 getBoardLikeCheck.ts
| | |     └─ 📁 getBoardList
| | |       └─ 📄 getBoardList.ts
| | |     └─ 📁 getCommentLikeCheck
| | |       └─ 📄 getCommentLikeCheck.ts
| | |     └─ 📁 getCommentList
| | |       └─ 📄 getCommentList.ts
| | |     └─ 📁 getMyBoardList
| | |       └─ 📄 getMyBoardList.ts
| | |     └─ 📁 getNurtureInfoDetail
| | |       └─ 📄 getNurtureInfoDetail.ts
| | |     └─ 📁 getNurtureInfoList
| | |       └─ 📄 getNurtureInfoList.ts
| | |     └─ 📁 getProfile
| | |       └─ 📄 getProfile.ts
| | |     └─ 📁 getReportDetail
| | |       └─ 📄 getReportDetail.tsx
| | |     └─ 📁 getReportList
| | |       └─ 📄 getReportList.ts
| | |     └─ 📁 getReportsReplyList
| | |       └─ 📄 getReportsReplyList.ts
| | |     └─ 📁 getSlang
| | |       └─ 📄 getSlang.ts
| | |     └─ 📁 postBoardCreate
| | |       └─ 📄 postBoardCreate.ts
| | |     └─ 📁 postBoardLike
| | |       └─ 📄 postBoardLike.ts
| | |     └─ 📁 postCommentCreate
| | |       └─ 📄 postCommentCreate.ts
| | |     └─ 📁 postCommentLike
| | |       └─ 📄 postCommentLike.ts
| | |     └─ 📁 postVoiceBlob
| | |       └─ 📄 postVoiceBlob.tsx
```

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| | | | | └─ 📄 index.ts
| | | | └─ 📁 store
| | | | | └─ 📁 useBoardStore
| | | | | | └─ 📄 useBoardStore.ts
| | | | | └─ 📁 useReportStore
| | | | | | └─ 📄 useReportStore.ts
| | | | | └─ 📁 useVoiceStore
| | | | | | └─ 📄 useVoiceStore.ts
| | | | | └─ 📄 index.ts
| | | | └─ 📁 ui
| | | | | └─ 📁 community
| | | | | | └─ 📁 boardPage
| | | | | | | └─ 📄 boardList.tsx
| | | | | | | └─ 📄 boardListItem.tsx
| | | | | | | └─ 📄 input.tsx
| | | | | | | └─ 📄 pagination.tsx
| | | | | | | └─ 📄 replyRegist.tsx
| | | | | | | └─ 📄 searchTypes.tsx
| | | | | | └─ 📁 components
| | | | | | | └─ 📁 items
| | | | | | | | └─ 📄 articleListItem.tsx
| | | | | | | | └─ 📄 replyListItem.tsx
| | | | | | | └─ 📄 articleList.tsx
| | | | | | | └─ 📄 replyCreate.tsx
| | | | | | | └─ 📄 replyList.tsx
| | | | | | └─ 📄 boardDetailPage.tsx
| | | | | | └─ 📄 boardPage.tsx
| | | | | | └─ 📄 createPage.tsx
| | | | | | └─ 📄 updatePage.tsx
| | | | | └─ 📁 parent
| | | | | | └─ 📄 parent.tsx
| | | | | └─ 📁 parentInformation
| | | | | | └─ 📄 parentInformation.tsx
| | | | | └─ 📁 parentInformationMain
| | | | | | └─ 📄 parentInformationMain.tsx
| | | | | └─ 📁 parentInformationNurture
| | | | | | └─ 📄 parentInformationNurture.tsx
| | | | | | └─ 📄 parentInformationNurtureDetail.tsx
| | | | | └─ 📁 parentInformationWord
| | | | | | └─ 📁 parentInformationWordListItem
| | | | | | | └─ 📄 parentInformationWordListItem.tsx
| | | | | | └─ 📄 parentInformationWord.tsx
| | | | | └─ 📁 parentMain
| | | | | | └─ 📄 parentMain.tsx
| | | | | └─ 📁 parentReportDetail
| | | | | | └─ 📁 parentReportDetailRecorder
| | | | | | | └─ 📄 parentReportDetailRecorder.tsx
| | | | | | └─ 📁 parentReportDetailRecorderButton
| | | | | | | └─ 📄 parentReportDetailRecorderButton.tsx
| | | | | | └─ 📁 parentReportDetailVolumeChecker
| | | | | | | └─ 📄 parentReportDetailVolumeChecker.tsx
| | | | | | └─ 📄 parentReportDetail.tsx
| | | | | └─ 📁 parentReportList
| | | | | | └─ 📁 parentReportListItem
| | | | | | | └─ 📄 parentReportListItem.tsx
| | | | | | └─ 📁 parentReportListLeft
| | | | | | | └─ 📄 parentReportListLeft.tsx
| | | | | | └─ 📁 parentReportListRight

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| | | | | | └─ 📄 parentReportListRight.tsx
| | | | | └─ 📁 parentReportListWordcloud
| | | | |   └─ 📄 parentReportListWordcloud.tsx
| | | | |   └─ 📄 parentReportList.tsx
| | | | └─ 📄 index.ts
| | | └─ 📄 index.ts
| | └─ 📁 Test
| |   └─ 📁 model
| |     └─ 📁 capturePicture
| |       └─ 📄 capturePicture.ts
| |       └─ 📁 coloring
| |         └─ 📄 canvas.ts
| |         └─ 📄 color.ts
| |         └─ 📄 fill.ts
| |         └─ 📁 connectCamera
| |           └─ 📄 connectCamera.ts
| |         └─ 📁 connectMedia
| |           └─ 📄 connectMedia.ts
| |         └─ 📁 connectMicrophone
| |           └─ 📄 connectMicrophone.ts
| |         └─ 📁 generateAudioContext
| |           └─ 📄 generateAudioContext.ts
| |         └─ 📁 getAudioFrequency
| |           └─ 📄 getAudioFrequency.ts
| |         └─ 📁 getAudioInputList
| |           └─ 📄 getAudioInputList.ts
| |         └─ 📁 handleStartRecordAudio
| |           └─ 📄 handleStartRecordAudio.ts
| |         └─ 📁 handleStopRecordAudio
| |           └─ 📄 handleStopRecordAudio.ts
| |         └─ 📁 setCharacter
| |           └─ 📄 cube.ts
| |           └─ 📄 sphere.ts
| |           └─ 📄 test.jpg
| |         └─ 📁 startRecordVideo
| |           └─ 📄 startRecordVideo.ts
| |         └─ 📁 stopRecordVideo
| |           └─ 📄 stopRecordVideo.ts
| |         └─ 📄 index.ts
| |     └─ 📁 query
| |       └─ 📁 examAPI
| |         └─ 📄 examAPI.ts
| |         └─ 📄 index.ts
| |     └─ 📁 store
| |       └─ 📁 countStore
| |         └─ 📄 countStore.ts
| |         └─ 📄 index.ts
| |     └─ 📁 ui
| |       └─ 📁 test
| |         └─ 📄 Test.tsx
| |       └─ 📁 testCamera
| |         └─ 📁 utils
| |           └─ 📄 drawCloth.ts
| |           └─ 📄 drawDress.ts
| |           └─ 📄 drawParts.ts
| |           └─ 📄 testCamera.tsx
| |       └─ 📁 testCharacter
| |       └─ 📁 utils
```



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| | | | | | | └─ 📄 drawCanvas.ts
| | | | | | └─ 📄 testCharacter.tsx
| | | | | └─ 📁 testColoring
| | | | | └─ 📁 components
| | | | | | └─ 📄 canvas.tsx
| | | | | └─ 📁 util
| | | | | | └─ 📄 context.ts
| | | | | | └─ 📄 dispatcher.ts
| | | | | | └─ 📄 event.ts
| | | | | | └─ 📄 fill.ts
| | | | | | └─ 📄 snapshot.ts
| | | | | | └─ 📄 tool.ts
| | | | | | └─ 📄 toolType.ts
| | | | | └─ 📄 testColoring.tsx
| | | | | └─ 📁 testDraw
| | | | | └─ 📄 testDraw.tsx
| | | | | └─ 📁 testMenuButtons
| | | | | └─ 📄 testMenuButtons.tsx
| | | | | └─ 📁 testPage
| | | | | └─ 📄 testPage.tsx
| | | | | └─ 📁 testPuzzle
| | | | | | └─ 📁 utils
| | | | | | └─ 📄 drawPose.ts
| | | | | └─ 📄 testPuzzle.tsx
| | | | | └─ 📁 testVoice
| | | | | └─ 📄 testVoice.tsx
| | | | | └─ 📁 testWordcloud
| | | | | └─ 📄 testWordcloud.tsx
| | | | | └─ 📁 testZustand
| | | | | └─ 📄 testZustand.tsx
| | | | | └─ 📄 index.ts
| | | └─ 📄 index.ts
| | └─ 📄 index.ts
| └─ 📁 shared
| | └─ 📁 model
| | | └─ 📁 connectAudioStream
| | | | └─ 📄 connectAudioStream.tsx
| | | └─ 📁 decodeToken
| | | | └─ 📄 decodeToken.ts
| | | └─ 📁 errorCatch
| | | | └─ 📄 errorCatch.ts
| | | └─ 📁 generateAudioContext
| | | | └─ 📄 generateAudioContext.ts
| | | └─ 📁 generateVolumeCheckInterval
| | | | └─ 📄 generateVolumeCheckInterval.ts
| | | └─ 📁 getUUIDbyToken
| | | | └─ 📄 getUUIDbyToken.ts
| | | └─ 📁 registServiceWorker
| | | | └─ 📄 registServiceWorker.ts
| | | └─ 📁 setToken
| | | | └─ 📄 setToken.ts
| | | └─ 📁 startRecordVoice
| | | | └─ 📄 startRecordVoice.ts
| | | └─ 📁 stopRecordVoice
| | | | └─ 📄 stopRecordVoice.ts
| | | └─ 📄 index.ts
| | └─ 📁 store
| | └─ 📁 useErrorStore
```

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| | | | └─ 📄 useErrorStore.ts
| | | └─ 📄 index.ts
| | └─ 📁 types
| | | └─ 📁 ChildrenProps
| | | | └─ 📄 ChildrenProps.ts
| | | └─ 📄 index.ts
| | └─ 📁 ui
| | | └─ 📁 backButton
| | | | └─ 📄 backButton.tsx
| | | └─ 📁 examUi
| | | | └─ 📄 examUi.tsx
| | | └─ 📁 homeButton
| | | | └─ 📄 homeButton.tsx
| | | └─ 📁 homeButton2
| | | | └─ 📄 homeButton2.tsx
| | | └─ 📁 loading
| | | | └─ 📄 loadingScreen.tsx
| | | | └─ 📄 movingScreen.tsx
| | | | └─ 📄 welcomeScreen.tsx
| | | └─ 📁 modalSpace
| | | | └─ 📄 modalSpace.tsx
| | | └─ 📁 timer
| | | | └─ 📄 timer.tsx
| | | └─ 📄 index.ts
| | └─ 📁 util
| | | └─ 📄 cookie.ts
| | | └─ 📄 customAxios.ts
| | | └─ 📄 dateToString.ts
| | | └─ 📄 index.ts
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| └─ 📁 styles
| | └─ 📁 app
| | | └─ 📄 app.style.ts
| | └─ 📁 child
| | | └─ 📁 game
| | | | └─ 📄 dress.style.ts
| | | | └─ 📄 finish.style.ts
| | | | └─ 📄 game.style.ts
| | | | └─ 📄 paint.style.ts
| | | | └─ 📄 puzzle.style.ts
| | | | └─ 📄 stage.style.ts
| | | └─ 📁 talk
| | | | └─ 📄 message.style.ts
| | | | └─ 📄 messageList.style.ts
| | | | └─ 📄 messageListItem.style.ts
| | | | └─ 📄 messagePage.style.ts
| | | | └─ 📄 talk.style.ts
| | | | └─ 📄 talkingPage.style.ts
| | | └─ 📄 childMain.style.ts
| | | └─ 📄 common.style.ts
| | └─ 📁 main
| | | └─ 📄 common.style.ts
| | | └─ 📄 dinoSelect.style.ts
| | | └─ 📄 editProfilePage.style.ts
| | | └─ 📄 inputEmail.style.ts
| | | └─ 📄 inputName.style.ts
| | | └─ 📄 main.style.ts

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| | | └─ 📄 profilePage.style.ts
| | | └─ 📄 selectCountry.style.ts
| | | └─ 📄 selectDino.style.ts
| | | └─ 📄 signIn.style.ts
| | | └─ 📄 signup.style.ts
| | | └─ 📄 start.style.ts
| | └─ 📁 parent
| | | └─ 📄 articleListItem.style.ts
| | | └─ 📄 boardDetailPage.style.ts
| | | └─ 📄 boardPage.style.ts
| | | └─ 📄 common.style.ts
| | | └─ 📄 createPage.style.ts
| | | └─ 📄 parent.style.ts
| | | └─ 📄 parentInformationMain.style.ts
| | | └─ 📄 parentInformationNews.style.ts
| | | └─ 📄 parentInformationNurturDetail.style.ts
| | | └─ 📄 parentInformationWord.style.ts
| | | └─ 📄 parentMain.style.ts
| | | └─ 📄 parentReportDetail.style.ts
| | | └─ 📄 parentReportDetailRecorder.style.ts
| | | └─ 📄 parentReportList.style.ts
| | | └─ 📄 parentReportListGraph.style.ts
| | | └─ 📄 parentReportListItem.style.ts
| | | └─ 📄 parentReportListLeft.style.ts
| | | └─ 📄 parentReportListRight.style.ts
| | | └─ 📄 parentReportListWordcloud.style.ts
| | └─ 📁 shared
| | | └─ 📄 backButton.style.ts
| | | └─ 📄 homeButton.style.ts
| | | └─ 📄 loading.style.ts
| | | └─ 📄 modalSpace.style.ts
| | | └─ 📄 timer.style.ts
| | └─ 📁 test
| | | └─ 📄 test.style.ts
| | | └─ 📄 testCamera.style.ts
| | | └─ 📄 testDraw.style.ts
| | | └─ 📄 testMenuButtons.style.ts
| | | └─ 📄 testPage.style.ts
| | | └─ 📄 testVoice.style.ts
| | | └─ 📄 testWordcloud.style.ts
| | | └─ 📄 testZustand.style.ts
| └─ 📄 main.css
| └─ 📄 main.tsx
└─ 📄 .gitignore
└─ 📄 .prettierrc
└─ 📄 global.d.ts
└─ 📄 package.json
└─ 📄 tsconfig.json
└─ 📄 webpack.common.js
└─ 📄 webpack.dev.js
└─ 📄 webpack.prod.js
└─ 📄 yarn.lock

```

- back

```

📁bridgetalk-back
└─ 📁.gradle
└─ 📁.idea

```

```

└─ 📁 build
└─ 📁 gradle
└─ 📁 src
  └─ 📁 main
    └─ 📁 java
      └─ 📁 com
        └─ 📁 ssafy
          └─ 📁 bridgetalkback
            └─ 📁 auth
              └─ 📁 controller
                ├── 📄 AuthController.java
                └─ 📄 TokenReissueController.java
              └─ 📁 domain
                └─ 📄 RefreshToken.java
              └─ 📁 dto
                ├── 📁 request
                │   ├── 📄 KidsSignupRequestDto.java
                │   ├── 📄 LoginRequestDto.java
                │   ├── 📄 ParentsSignupRequestDto.java
                │   └─ 📄 ProfileLoginRequestDto.java
                └─ 📁 response
                    ├── 📄 LoginResponseDto.java
                    └─ 📄 TokenResponseDto.java
              └─ 📁 exception
                └─ 📄 AuthErrorCode.java
              └─ 📁 repository
                └─ 📄 RefreshTokenRedisRepository.java
              └─ 📁 service
                ├── 📄 AuthService.java
                ├── 📄 TokenReissueService.java
                └─ 📄 TokenService.java
              └─ 📁 utils
                ├── 📄 AuthorizationExtractor.java
                └─ 📄 JwtProvider.java
            └─ 📁 boards
              ├── 📁 controller
              │   └─ 📄 BoardsController.java
              ├── 📁 domain
              │   ├── 📄 Boards.java
              │   ├── 📄 BoardsLike.java
              │   ├── 📄 BoardsSearchType.java
              │   └─ 📄 BoardsSortCondition.java
              ├── 📁 dto
              │   ├── 📁 request
              │   │   ├── 📄 BoardsRequestDto.java
              │   │   └─ 📄 BoardsUpdateRequestDto.java
              │   └─ 📁 response
              │       ├── 📄 BoardsResponseDto.java
              │       └─ 📄 CustomBoardsListResponseDto.java
              ├── 📁 exception
              │   └─ 📄 BoardsErrorCode.java
              ├── 📁 query
              │   ├── 📁 dto
              │   │   └─ 📄 BoardsListDto.java
              │   ├── 📄 BoardsListQueryRepository.java
              │   └─ 📄 BoardsListQueryRepositoryImpl.java
              └─ 📁 repository
                  └─ 📄 BoardsLikeRepository.java

```

```
| | | | | | | | | | 📄 BoardsRepository.java
| | | | | | | | | | └─ 📁 service
| | | | | | | | | |   │ └─ 📄 BoardsFindService.java
| | | | | | | | | |   │ └─ 📄 BoardsLikeService.java
| | | | | | | | | |   │ └─ 📄 BoardsListService.java
| | | | | | | | | |   └─ 📄 BoardsService.java
| | | | | | | | └─ 📁 chatgpt
| | | | | | | |   └─ 📁 config
| | | | | | | |     │ └─ 📄 ChatGptConfig.java
| | | | | | | |     └─ 📄 ChatGptRequestCode.java
| | | | | | | |   └─ 📁 dto
| | | | | | | |     │ └─ 📁 request
| | | | | | | |       │ └─ 📄 ChatGptRequestDto.java
| | | | | | | |     └─ 📁 response
| | | | | | | |       │ └─ 📄 ChatGptResponseDto.java
| | | | | | | |       │ └─ 📄 Choice.java
| | | | | | | |   └─ 📁 exception
| | | | | | | |     └─ 📄 ChatGptErrorCode.java
| | | | | | | └─ 📁 service
| | | | | | |   └─ 📄 ChatGptService.java
| | | | | | └─ 📁 comments
| | | | | |   └─ 📁 controller
| | | | | |     └─ 📄 CommentsController.java
| | | | | |   └─ 📁 domain
| | | | | |     │ └─ 📄 Comments.java
| | | | | |     └─ 📄 CommentsSortCondition.java
| | | | | |   └─ 📁 dto
| | | | | |     │ └─ 📁 request
| | | | | |       │ └─ 📄 CommentsRequestDto.java
| | | | | |       │ └─ 📄 CommentsUpdateRequestDto.java
| | | | | |     └─ 📁 response
| | | | | |       │ └─ 📄 CommentsResponseDto.java
| | | | | |       │ └─ 📄 CustomCommentsListResponseDto.java
| | | | | |   └─ 📁 exception
| | | | | |     └─ 📄 CommentsErrorCode.java
| | | | | |   └─ 📁 query
| | | | | |     │ └─ 📁 dto
| | | | | |       │ └─ 📄 CommentsListDto.java
| | | | | |     │ └─ 📄 CommentsListQueryRepository.java
| | | | | |     └─ 📄 CommentsListQueryRepositoryImpl.java
| | | | | |   └─ 📁 repository
| | | | | |     └─ 📄 CommentsRepository.java
| | | | | |   └─ 📁 service
| | | | | |     │ └─ 📄 CommentsFindService.java
| | | | | |     │ └─ 📄 CommentsListService.java
| | | | | |     └─ 📄 CommentsService.java
| | | | | | └─ 📁 files
| | | | | |   └─ 📁 controller
| | | | | |     └─ 📄 S3FileController.java
| | | | | |   └─ 📁 exception
| | | | | |     └─ 📄 S3FileErrorCode.java
| | | | | |   └─ 📁 service
| | | | | |     └─ 📄 S3FileService.java
| | | | | | └─ 📁 global
| | | | | |   └─ 📁 annotation
| | | | | |     │ └─ 📄 ExtractPayload.java
| | | | | |     │ └─ 📄 ExtractPayloadArgumentResolver.java
| | | | | |     └─ 📄 ExtractToken.java
```

```

| | | | | | | | | | 📄 ExtractTokenArgumentResolver.java
| | | | | | | | | | └─ 📁 config
| | | | | | | | | | |   └─ 📄 AsyncConfig.java
| | | | | | | | | | |   └─ 📄 CacheConfig.java
| | | | | | | | | | |   └─ 📄 JpaAuditingConfig.java
| | | | | | | | | | |   └─ 📄 QueryDslConfig.java
| | | | | | | | | | |   └─ 📄 RedisConfig.java
| | | | | | | | | | |   └─ 📄 S3Config.java
| | | | | | | | | | |   └─ 📄 SecurityConfig.java
| | | | | | | | | | |   └─ 📄 SwaggerConfig.java
| | | | | | | | | | |   └─ 📄 WebConfig.java
| | | | | | | | | | | └─ 📁 exception
| | | | | | | | | | | |   └─ 📄 ApiGlobalExceptionHandler.java
| | | | | | | | | | | |   └─ 📄 BaseException.java
| | | | | | | | | | | |   └─ 📄 ErrorCode.java
| | | | | | | | | | | |   └─ 📄 ErrorResponse.java
| | | | | | | | | | | |   └─ 📄 GlobalErrorCode.java
| | | | | | | | | | | └─ 📁 security
| | | | | | | | | | | |   └─ 📄 CustomUserDetails.java
| | | | | | | | | | | |   └─ 📄 CustomUserDetailsService.java
| | | | | | | | | | | |   └─ 📄 JwtAccessDeniedHandler.java
| | | | | | | | | | | |   └─ 📄 JwtAuthenticationEntryPoint.java
| | | | | | | | | | | |   └─ 📄 JwtAuthenticationFilter.java
| | | | | | | | | | | |   └─ 📄 UserDetailsDto.java
| | | | | | | | | | | └─ 📁 utils
| | | | | | | | | | | |   └─ 📄 EnumConverter.java
| | | | | | | | | | | |   └─ 📄 EnumStandard.java
| | | | | | | | | | | |   └─ 📄 PasswordEncoderUtils.java
| | | | | | | | | | | |   └─ 📄 StringListConverter.java
| | | | | | | | | | | └─ 📄 BaseEntity.java
| | | | | | | | | | | └─ 📄 Language.java
| | | | | | | | | | └─ 📁 kids
| | | | | | | | | | |   └─ 📁 domain
| | | | | | | | | | | |   └─ 📄 Kids.java
| | | | | | | | | | | |   └─ 📄 KidsPassword.java
| | | | | | | | | | |   └─ 📁 exception
| | | | | | | | | | | |   └─ 📄 KidsErrorCode.java
| | | | | | | | | | | └─ 📁 repository
| | | | | | | | | | | |   └─ 📄 KidsRepository.java
| | | | | | | | | | | └─ 📁 service
| | | | | | | | | | | |   └─ 📄 KidsFindService.java
| | | | | | | | | | └─ 📁 letters
| | | | | | | | | | |   └─ 📁 controller
| | | | | | | | | | | |   └─ 📄 LettersController.java
| | | | | | | | | | |   └─ 📁 domain
| | | | | | | | | | | |   └─ 📄 Letters.java
| | | | | | | | | | | |   └─ 📄 LettersImg.java
| | | | | | | | | | | └─ 📁 dto
| | | | | | | | | | | |   └─ 📁 request
| | | | | | | | | | | | |   └─ 📄 LettersRequestDto.java
| | | | | | | | | | | |   └─ 📁 response
| | | | | | | | | | | | |   └─ 📄 LettersImgResponseDto.java
| | | | | | | | | | | | |   └─ 📄 LettersResponseDto.java
| | | | | | | | | | | | |   └─ 📄 TranscriptionDto.java
| | | | | | | | | | | | |   └─ 📄 TranslationResultsDto.java
| | | | | | | | | | | └─ 📁 exception
| | | | | | | | | | | |   └─ 📄 LettersErrorCode.java
| | | | | | | | | | | |   └─ 📄 TranslateBadRequestException.java

```

```

| | | | | | | | | | repository
| | | | | | | | | | | | LettersImgRepository.java
| | | | | | | | | | | | | LettersRepository.java
| | | | | | | | | | | | | | service
| | | | | | | | | | | | | | | ClovaSpeechService.java
| | | | | | | | | | | | | | | LettersService.java
| | | | | | | | | | | | | | | LettersTranscribeService.java
| | | | | | | | | | | | | | notification
| | | | | | | | | | | | | | | | config
| | | | | | | | | | | | | | | | | NotificationListener.java
| | | | | | | | | | | | | | | | | | controller
| | | | | | | | | | | | | | | | | | | NotificationController.java
| | | | | | | | | | | | | | | | | | | SseController.java
| | | | | | | | | | | | | | | | | | | domain
| | | | | | | | | | | | | | | | | | | | Notification.java
| | | | | | | | | | | | | | | | | | | | NotificationType.java
| | | | | | | | | | | | | | | | | | | | dto
| | | | | | | | | | | | | | | | | | | | | request
| | | | | | | | | | | | | | | | | | | | | | NotificationRequestDto.java
| | | | | | | | | | | | | | | | | | | | | exception
| | | | | | | | | | | | | | | | | | | | | | NotificationErrorCode.java
| | | | | | | | | | | | | | | | | | | | | repository
| | | | | | | | | | | | | | | | | | | | | | NotificationRepository.java
| | | | | | | | | | | | | | | | | | | | | | SseRepository.java
| | | | | | | | | | | | | | | | | | | | | | SseRepositoryImpl.java
| | | | | | | | | | | | | | | | | | | | | | service
| | | | | | | | | | | | | | | | | | | | | | NotificationService.java
| | | | | | | | | | | | | | | | | | | | | | SseService.java
| | | | | | | | | | | | | | | | | | | | parentingInfo
| | | | | | | | | | | | | | | | | | | | | controller
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoController.java
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoCrawlingController.java
| | | | | | | | | | | | | | | | | | | | | domain
| | | | | | | | | | | | | | | | | | | | | | Category.java
| | | | | | | | | | | | | | | | | | | | | | ParentingInfo.java
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoBoardNum.java
| | | | | | | | | | | | | | | | | | | | | dto
| | | | | | | | | | | | | | | | | | | | | | response
| | | | | | | | | | | | | | | | | | | | | | | CustomParentingInfoListResponseDto.java
| | | | | | | | | | | | | | | | | | | | | | | ParentingInfoResponseDto.java
| | | | | | | | | | | | | | | | | | | | | | | ParentingInfoCrawlingDto.java
| | | | | | | | | | | | | | | | | | | | | | exception
| | | | | | | | | | | | | | | | | | | | | | | ParentingInfoErrorCode.java
| | | | | | | | | | | | | | | | | | | | | | query
| | | | | | | | | | | | | | | | | | | | | | | dto
| | | | | | | | | | | | | | | | | | | | | | | ParentingInfoListDto.java
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoQueryRepository.java
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoQueryRepositoryImpl.java
| | | | | | | | | | | | | | | | | | | | | repository
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoBoardNumRepository.java
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoRepository.java
| | | | | | | | | | | | | | | | | | | | | | service
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoCrawlingService.java
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoFindService.java
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoListService.java
| | | | | | | | | | | | | | | | | | | | | | ParentingInfoService.java
| | | | | | | | | | | | | | | | | | | | parenting
| | | | | | | | | | | | | | | | | | | | | controller

```

```

| | | | | | | | | | ProfileController.java
| | | | | | | | | | └─ ProfileListController.java
| | | | | | | | | | └─ domain
| | | | | | | | | | | └─ Email.java
| | | | | | | | | | | └─ Parents.java
| | | | | | | | | | | └─ Password.java
| | | | | | | | | | | └─ Role.java
| | | | | | | | | | └─ dto
| | | | | | | | | | | └─ request
| | | | | | | | | | | | └─ DeleteProfileRequestDto.java
| | | | | | | | | | | | └─ UpdateProfileRequestDto.java
| | | | | | | | | | | └─ response
| | | | | | | | | | | | └─ ProfileListResponseDto.java
| | | | | | | | | | | | └─ ProfileResponseDto.java
| | | | | | | | | | └─ exception
| | | | | | | | | | | └─ ParentsErrorCode.java
| | | | | | | | | | └─ repository
| | | | | | | | | | | └─ ParentsRepository.java
| | | | | | | | | | └─ service
| | | | | | | | | | | └─ ParentsFindService.java
| | | | | | | | | | | └─ ProfileListService.java
| | | | | | | | | | | └─ ProfileService.java
| | | | | | | | └─ puzzle
| | | | | | | | | └─ controller
| | | | | | | | | | └─ PuzzleController.java
| | | | | | | | | └─ domain
| | | | | | | | | | └─ Puzzle.java
| | | | | | | | | └─ dto
| | | | | | | | | | └─ request
| | | | | | | | | | | └─ PuzzleRequestDto.java
| | | | | | | | | | └─ response
| | | | | | | | | | | └─ PuzzleListResponseDto.java
| | | | | | | | | | | └─ PuzzleResponseDto.java
| | | | | | | | | └─ exception
| | | | | | | | | | └─ PuzzleErrorCode.java
| | | | | | | | | └─ repository
| | | | | | | | | | └─ PuzzleRepository.java
| | | | | | | | | └─ service
| | | | | | | | | | └─ PuzzleFindService.java
| | | | | | | | | | └─ PuzzleService.java
| | | | | | | | └─ reports
| | | | | | | | | └─ controller
| | | | | | | | | | └─ ReportsController.java
| | | | | | | | | | └─ TalkController.java
| | | | | | | | | └─ domain
| | | | | | | | | | └─ Reports.java
| | | | | | | | | └─ dto
| | | | | | | | | | └─ request
| | | | | | | | | | └─ response
| | | | | | | | | | | └─ ReportsDetailResponseDto.java
| | | | | | | | | | | └─ ReportsListResponseDto.java
| | | | | | | | | | | └─ TalkResponseDto.java
| | | | | | | | | | | └─ TranscriptionDto.java
| | | | | | | | | | | └─ VideoResponseDto.java
| | | | | | | | | | └─ ReportsCreateResponseDto.java
| | | | | | | | | └─ exception
| | | | | | | | | | └─ ReportsErrorCode.java
| | | | | | | | | └─ repository

```


[illegible]

[illegible]

```
| | | | | | | | | | 📁 controller  
| | | | | | | | | |   └─ 📄 ProfileControllerTest.java  
| | | | | | | | | |     └─ 📄 ProfileListControllerTest.java  
| | | | | | | | | |   |  
| | | | | | | | | |   └─ 📁 domain  
| | | | | | | | | |       │├─ 📄 EmailTest.java  
| | | | | | | | | |       │├─ 📄 ParentsTest.java  
| | | | | | | | | |       │└─ 📄 PasswordTest.java  
| | | | | | | | | |   └─ 📁 repository  
| | | | | | | | | |       │└─ 📄 ParentsRepositoryTest.java  
| | | | | | | | | |       └─ 📁 service  
| | | | | | | | | |           ├── 📄 ParentsFindServiceTest.java  
| | | | | | | | | |           ├── 📄 ProfileListServiceTest.java  
| | | | | | | | | |           └─ 📄 ProfileServiceTest.java  
| | | | | | | | | |   └─ 📁 puzzle  
| | | | | | | | | |       │├─ 📁 controller  
| | | | | | | | | |       ││   └─ 📄 PuzzleControllerTest.java  
| | | | | | | | | |       │└─ 📁 service  
| | | | | | | | | |           ├── 📄 PuzzleFindServiceTest.java  
| | | | | | | | | |           └─ 📄 PuzzleServiceTest.java  
| | | | | | | | | |   └─ 📁 reports  
| | | | | | | | | |       │├─ 📁 controller  
| | | | | | | | | |       ││   ├── 📄 ReportsControllerTest.java  
| | | | | | | | | |       ││   └─ 📄 TalkControllerTest.java  
| | | | | | | | | |       │└─ 📁 service  
| | | | | | | | | |           ├── 📄 ReportsFindServiceTest.java  
| | | | | | | | | |           ├── 📄 ReportsServiceTest.java  
| | | | | | | | | |           ├── 📄 ReportsUpdateServiceTest.java  
| | | | | | | | | |           ├── 📄 ReportsVideoServiceTest.java  
| | | | | | | | | |           └─ 📄 TalkServiceTest.java  
| | | | | | | | | |   └─ 📁 slang  
| | | | | | | | | |       │├─ 📁 controller  
| | | | | | | | | |       ││   └─ 📄 SlangControllerTest.java  
| | | | | | | | | |       │└─ 📁 service  
| | | | | | | | | |           └─ 📄 SlangServiceTest.java  
| | | | | | | | | |   └─ 📁 tts  
| | | | | | | | | |       │└─ 📁 service  
| | | | | | | | | |           └─ 📄 TtsServiceTest.java  
| | | | | | | | | |   └─ 📄 BridgetalkBackApplicationTests.java  
| | | | └─ 📁 global  
| | | |     └─ 📁 config  
| | | |         ├── 📄 EmbeddedRedisConfig.java  
| | | |         └─ 📄 RedisCleaner.java  
| | └─ 📁 resources  
| |   ├── 📁 files  
| |   │   └─ 📄 test.mp3  
| |   └─ 📄 application.yml  
└─ 📄 .gitignore  
└─ 📄 build.gradle  
└─ 📄 gradlew  
└─ 📄 gradlew.bat  
└─ 📄 settings.gradle
```

- server

```

📁 /home/ubuntu
├── 📄 .env
├── 📁 deploy
│   └── 📁 back

```

```

| | └─ Dockerfile
| | └─ bridgetalk-back-0.0.1-SNAPSHOT.jar
| | └─ docker-compose.yaml
| └─ deploy.sh
| └─ front
| | └─ Dockerfile
| | └─ dist
| | └─ docker-compose.yaml
| | └─ nginx.conf
| └─ deploy.sh
└─ env
  └─ application-secret.yml
└─ sonarqube
  └─ docker-compose.yaml
└─ workspace
  └─ jenkins-data
  └─ redis

```

서비스 이용을 위한 빌드 및 배포(CI/CD)

Frontend

- Dockerfile

```

FROM nginx:stable-alpine

# nginx의 기본 service를 제거
RUN rm -rf /etc/nginx/sites-enabled/default

RUN rm /etc/nginx/conf.d/default.conf

# nginx에 serving할 html의 설정파일을 복사
COPY nginx.conf /etc/nginx/conf.d/

# 작업영역을 선택. mkdir, cd를 동시에 진행
WORKDIR /code

# 배포할 파일을 복사
COPY dist/ dist/

# frontend Port를 설정
EXPOSE 3000

CMD ["nginx", "-g", "daemon off;"]

```

- docker-compose.yaml

```

version: '3'

services:
  app:
    container_name: b303-front
    image: docker-react:0.1
    ports:
      - 3000:3000

```

```
build:
  context: .
  dockerfile: Dockerfile
```

Backend

- Dockerfile

```
FROM openjdk:17-jdk
LABEL maintainer="young"
ARG JAR_FILE=bridgetalk-back-0.0.1-SNAPSHOT.jar
ADD ${JAR_FILE} docker-springboot.jar
ENTRYPOINT ["java", "-jar", "docker-springboot.jar"]
```

- docker-compose.yaml

```
version: '3'

services:
  app:
    container_name: b303-back
    image: docker-springboot:0.1
    ports:
      - 8081:8081
    volumes:
      - /home/ubuntu/.aws:/root/.aws
    build:
      context: .
      dockerfile: Dockerfile
```

Jenkins, MySQL, Redis

- docker-compose.yaml

```
version: '3'

services:
  # jenkins 설정
  jenkins:
    container_name: jenkins
    image: jenkins/jenkins:latest
    user: root
    ports:
      - "${JENKINS_BINDING_PORT}:${JENKINS_PORT}"
    environment:
      - JENKINS_OPTS=--prefix=/jenkins
    restart: on-failure
    volumes:
      - ${JEKINS_DATA_PATH}:/var/jenkins_home

  # mysql 설정
  db:
    image: mysql:8.0.35
    container_name: mysql-server
    ports:
      - "${MYSQL_BINDING_PORT}:${MYSQL_PORT}"
    environment:
      MYSQL_ROOT_PASSWORD: ${MYSQL_ROOT_PASSWORD}
```

```

    MYSQL_DATABASE: ${MYSQL_DATABASE}
    MYSQL_USER: ${MYSQL_USER}
    MYSQL_PASSWORD: ${MYSQL_PASSWORD}
    TZ: Asia/Seoul
command: # 명령어 실행
  - --character-set-server=utf8mb4
  - --collation-server=utf8mb4_unicode_ci
# redis 설정
redis:
  # 사용할 이미지
  image: redis:latest
  # 컨테이너명
  container_name: redis
  # 접근 포트 설정(컨테이너 외부:컨테이너 내부)
  ports:
    - "${REDIS_BINDING_PORT}:${REDIS_PORT}"
  # 스토리지 마운트(볼륨) 설정
  volumes:
    - ${REDIS_DATA_PATH}:/data
    - ${REDIS_DEFAULT_CONFIG_FILE}:/usr/local/conf/redis.conf
  # 컨테이너 종료시 재시작 여부 설정
  restart: always
  # command: redis-server /usr/local/conf/redis.conf
command: redis-server --requirepass ${REDIS_PASSWORD} --port 6379

```

Sonarqube

```

services:
  sonarqube:
    image: sonarqube:community
    hostname: sonarqube
    container_name: sonarqube
    depends_on:
      - qube-db
    environment:
      SONAR_JDBC_URL: jdbc:postgresql://qube-db:5432/sonar
      SONAR_JDBC_USERNAME: ${SONAR_USERNAME}
      SONAR_JDBC_PASSWORD: ${SONAR_PASSWORD}
    ports:
      - "${SONAR_BINDING_PORT}:${SONAR_PORT}"
  qube-db:
    image: postgres:13
    hostname: postgresql
    container_name: postgresql
    ports:
      - "${POSTGRES_BINDING_PORT}:${POSTGRES_PORT}"
    environment:
      POSTGRES_USER: ${POSTGRES_USER}
      POSTGRES_PASSWORD: ${POSTGRES_PASSWORD}
      POSTGRES_DB: ${POSTGRES_DB}

```

Jenkins 파이프라인 작성 및 배포(CI/CD)

```

pipeline{
  agent any

  tools {nodejs "NodeJS 20.12.2"}

  stages{
    stage('Clone'){
      steps{
        git branch: 'develop', credentialsId: 'gitlab-user', url: 'https://lab.ssafy.com'
      }
    }

    stage('Change application-secret.yml') {
      steps{
        sshagent(credentials: ['aws_key']) {
          sh '''
            scp -o StrictHostKeyChecking=no ubuntu@k10b303.p.ssafy.io:/home/ubuntu/env/
            scp -o StrictHostKeyChecking=no ubuntu@k10b303.p.ssafy.io:/home/ubuntu/env/
            scp -o StrictHostKeyChecking=no ubuntu@k10b303.p.ssafy.io:/home/ubuntu/c
          '''
        }
      }
    }

    stage('Gradle Build'){
      steps{
        dir('bridgetalk-back') {
          dir('') {
            sh '''
              ls -al
              chmod +x ./gradlew
              ./gradlew build
            '''
          }
        }
      }
    }

    stage('Build React App') {
      steps {
        dir('bridgetalk-front') {
          sh '''
            rm -rf node_modules
            rm yarn.lock
            npm i -g yarn
            yarn install
            yarn add favicons
            yarn add sharp --ignore-engines
            npm install webpack-dev-server -g

            rm -rf dist
            yarn run build
            tar -cvf dist.tar dist
          '''
        }
      }
    }
  }
}

```

```

    }
}

stage('SonarQube') {
    steps {
        withSonarQubeEnv(credentialsId:"SONAR_TOKEN",installationName:'sonarqube') {
            dir('bridgetalk-back'){
                sh '''
                    ls -al
                    chmod +x ./gradlew
                    ./gradlew sonar
                '''
            }
        }
    }
}

stage('Deploy') {
    steps {
        sshagent(credentials: ['aws_key']) {
            sh '''
                ssh -o StrictHostKeyChecking=no ubuntu@k10b303.p.ssafy.io
                scp -C /var/jenkins_home/workspace/bridgetalk/bridgetalk-back/build/libs
                scp -C /var/jenkins_home/workspace/bridgetalk/bridgetalk-front/dist.tar
                ssh -o StrictHostKeyChecking=no ubuntu@k10b303.p.ssafy.io sudo chmod +x
                ssh -o StrictHostKeyChecking=no ubuntu@k10b303.p.ssafy.io /home/ubuntu/c
            '''
        }
    }
}

post {
    success {
        script {
            def Author_ID = sh(script: "git show -s --pretty=%an", returnStdout: true).trim()
            def Author_Name = sh(script: "git show -s --pretty=%ae", returnStdout: true).trim()
            mattermostSend (color: 'good',
                message: "빌드 성공: ${env.JOB_NAME} #${env.BUILD_NUMBER} by ${Author_ID}(${Author_Name}",
                endpoint: 'https://meeting.ssafy.com/hooks/mbh6617woiy65bz81pm7ryem5w',
                channel: 'b303-gitlab'
            )
        }
    }
    failure {
        script {
            def Author_ID = sh(script: "git show -s --pretty=%an", returnStdout: true).trim()
            def Author_Name = sh(script: "git show -s --pretty=%ae", returnStdout: true).trim()
            mattermostSend (color: 'danger',
                message: "빌드 실패: ${env.JOB_NAME} #${env.BUILD_NUMBER} by ${Author_ID}(${Author_Name}",
                endpoint: 'https://meeting.ssafy.com/hooks/mbh6617woiy65bz81pm7ryem5w',
                channel: 'b303-gitlab'
            )
        }
    }
}

```



```
}  
}
```

Nginx

nginx 설치

```
sudo apt update  
sudo apt install nginx
```

가상 메모리 할당

```
# 스왑파일 생성 전 기존 파일 있는 지 확인  
# 두 명령어 모두 실행 시 스왑파일 보이지 않으면 없는 것  
sudo free -m  
sudo swapon -s  
  
# 스왑 용도로 사용할 파일 8G(8GB)로 생성  
sudo fallocate -l 8G /swapfile  
  
# 생성된 파일 권한 수정  
sudo chmod 600 /swapfile  
  
# 해당 파일 스왑으로 동작하도록 설정  
sudo mkswap /swapfile
```

```
ubuntu@ip-172-26-3-129:~$ sudo chmod 600 /swapfile  
ubuntu@ip-172-26-3-129:~$ sudo mkswap /swapfile  
Setting up swspace version 1, size = 8 GiB (8589930496 bytes)  
no label, UUID=3f7db590-17f9-43a0-a3c4-dfe1ff5dee33  
ubuntu@ip-172-26-3-129:~$
```

```
# 스왑 활성화  
sudo swapon /swapfile  
  
# 재부팅 이후에도 사용되도록 /etc/fstab 파일 수정  
sudo vi /etc/fstab  
# 맨 하단에 아래 한줄 추가  
/swapfile swap swap defaults 0 0  
sudo apt install mysql-server  
mysql --version  
sudo mysql
```

```
2. ubuntu@k10b303.p.ssafy.io (ubuntu) × +  
LABEL=cloudimg-rootfs / ext4 defaults,discard 0 0  
/swapfile swap swap defaults 0 0  
~
```

가비아 도메인 연결

- My가비아 -> 서비스 관리 -> 관리 -> 아래로 내려서 DNS 정보 도메인 연결 설정
- 오른쪽 설정 → 레코드 수정 → 레코드 추가

DNS 관리

bridgetalk.co.kr

레코드 개수 : 2개 최근 업데이트 : 2024-04-26 13:03:34 네임서버 : ns.gabia.co.kr

이력 확인 엑셀 다운로드

DNS 설정 레코드 수정

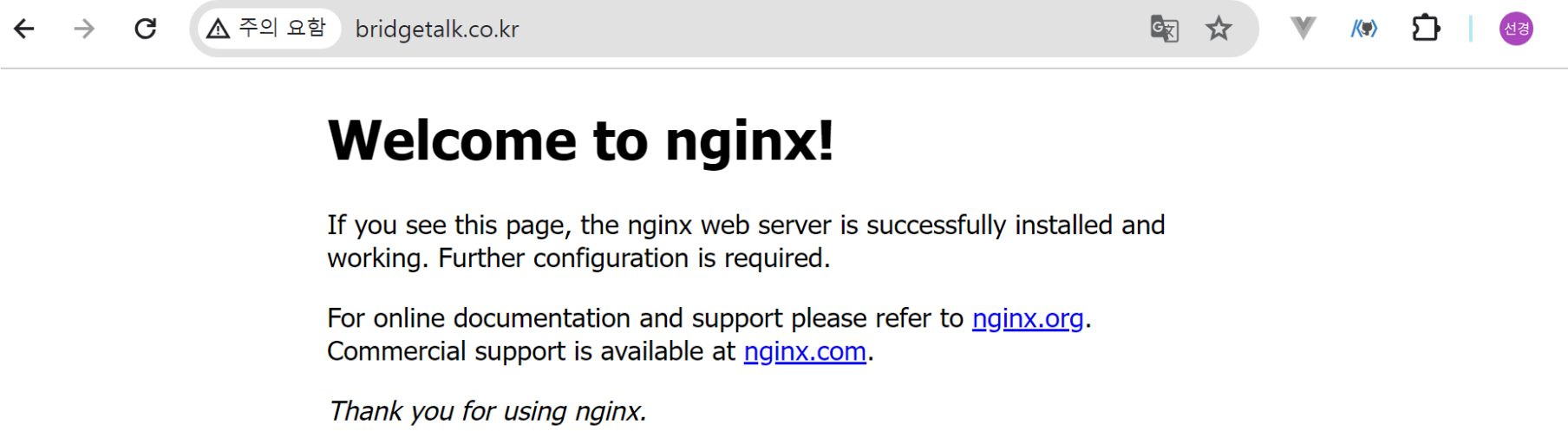
타입	호스트	값/위치	TTL	우선 순위	서비스
A	www		1800		DNS 설정
A	@		1800		DNS 설정

• 서버 포트

```
# 도메인 연결 확인을 위해 80 포트 오픈
sudo ufw 80

# 오픈 포트 제거 명령어 (필요하면 사용)
sudo ufw delete deny 80
```

• 도메인 연결 확인



SSL

• Certbot 설치

```
sudo apt update
sudo apt upgrade

sudo apt remove certbot // 기존에 설치된 패키지가 있다면 삭제

sudo snap install certbot --classic //Certbot 설치
sudo apt install python3-certbot-nginx //certbot과 nginx를 연결할 플러그인 설치
```

• HTTPS 적용할 도메인 설정

```
sudo vi /etc/nginx/sites-available/default //nginx 기본 설정 파일
sudo nginx -t //잘 설정되었는지 테스트
```

```

root /var/www/html;

# Add index.php to the list if you are using PHP
index index.html index.htm index.nginx-debian.html;

server_name bridgetalk.co.kr www.bridgetalk.co.kr;

location / {
    # First attempt to serve request as file, then
    # as directory, then fall back to displaying a 404.
    try_files $uri $uri/ =404;
}

```

- 변경된 설정 적용을 위해 nginx 재시작

reverse proxy

```

# 추가 설정할 파일 따로 생성
cd /etc/nginx/conf.d

sudo vi {설정파일명}.conf    # default.conf로 만들어놨음

```

- default.conf

```

server {
    listen 80;
    server_name 43.201.47.203;
    return 301 https://www.bridgetalk.co.kr$request_uri;
}
server {
    listen 80;
    server_name k10b303.p.ssafy.io;
    return 301 https://www.bridgetalk.co.kr$request_uri;
}
server {
    listen 80;
    server_name bridgetalk.co.kr;
    return 301 https://www.bridgetalk.co.kr$request_uri;
}
#server {
#    listen 3000 http;
#    server_name bridgetalk.co.kr;
#    return 301 https://www.bridgetalk.co.kr$request_uri;
#}

server {
    listen 443 ssl;

    server_name bridgetalk.co.kr www.bridgetalk.co.kr;

    location / {

        proxy_pass http://localhost:3000;
        charset utf-8;

        client_max_body_size 20m;
        proxy_buffers 8 32k;
        proxy_buffer_size 32k;
        proxy_busy_buffers_size 64k;

        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection "upgrade";
    }
}

```

```

        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 /api {
        proxy_pass http://localhost:8081;
        charset utf-8;

        client_max_body_size 20m;
        proxy_buffers 8 32k;
        proxy_buffer_size 32k;
        proxy_busy_buffers_size 64k;

        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection "upgrade";
        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 /api/sse/subscribe {
        proxy_pass http://localhost:8081;
        proxy_set_header Connection '';
        proxy_set_header Cache-Control 'no-cache';
        proxy_set_header X-Accel-Buffering 'no';
        proxy_set_header Content-Type 'text/event-stream';
        proxy_buffering off;
        proxy_http_version 1.1;
        chunked_transfer_encoding on;
        proxy_read_timeout 86400s;
    }

#    location /ws {
#        proxy_pass http://localhost:3000;

#        proxy_http_version 1.1;
#        proxy_set_header Upgrade $http_upgrade;
#        proxy_set_header Connection "upgrade";
#        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 Origin "";
#    }

    ssl_certificate /etc/letsencrypt/live/bridgetalk.co.kr/fullchain.pem; # managed by Certbot
    ssl_certificate_key /etc/letsencrypt/live/bridgetalk.co.kr/privkey.pem; # managed by Certbot
    include /etc/letsencrypt/options-ssl-nginx.conf; # managed by Certbot
    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem;
}

```

Ubuntu 타임존 변경

```
# 시간대 명칭 확인
timedatectl list-timezones | grep Seoul

# 확인한 명칭으로 시간대 변경
sudo timedatectl set-timezone Asia/Seoul

# 변경된 시간대 확인
timedatectl

# 현재 시간
date
```