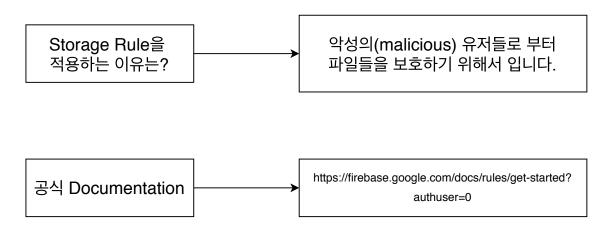
Firebase Storage Rule



Storage Rule 적용하는 곳으로 이동!

```
service firebase.storage {
  match /b/{bucket}/o {
    match /{allPaths=**} {
    allow read, write: if request.auth!=null;
  }
}

현재 상태는
  authentication이 인증되면
  read와 write가능
```

```
service <<name>> {
   // Match the resource path.
   match <<path>> {
      // Allow the request if the following conditions are true.
```

```
allow <<methods>> : if <<condition>>
}
```

```
service firebase.storage {
  // The {bucket} wildcard indicates we match files in all storage buckets
  match /b/{bucket}/o {
     // Match filename
     match /filename {
        allow read: if <condition>;
        allow write: if <condition>;
    }
}
```

각 경로(path)에 맞는 rule을 설정해주기

```
GD gs://test-app-beca5.appspot.com

Name

message/

user_image/
```

message/

```
}
}
```

- 1 /message 경로에 해당하는 파일들
- ② 인증이 된 유저는 read 가능
- ③ 인증이 된 유저는 write 가능
- 4 이미지 파일만 업로드 가능
- ⑤ 파일 사이즈 10mb이하만 가능

user_image/

```
match /user_image {
  match /{userId} {
    allow read: if request.auth != null;
    allow write: if request.auth != null &&
    request.auth.uid == userId &&
    request.resource.contentType.matches('image/.*') &&
    request.resource.size < 10 * 1024 * 1024;
  }
}</pre>
```

Firebase Database Rule



각각의 Collection을 위한 Rule 설정해주기

chatRooms

-- chatRooms -- MInsB0LxVnyIdZni9rY -- createdBy -- image: "https://firebasestor

```
--- name: "John Ahn"
     -description: "first chat room"
   id: "-MInsB0LxVnyIdZni9rY"
   ___ name: "first room"
"rules": {
 "chatRooms": {
    ".read": "auth != null",
   →"$chatRoomId": {
       .write": "auth != null",
      ".validate": "newData.hasChildren(['id', 'name', 'createdBy', 'description'])",
       ".validate": "newData.val() === $chatRoomId"
     },
      "name": {
       ".validate": "newData.val().length > 0"
      "description": {
       ".validate": "newData.val().length > 0"
 },
}
```

messages

· messages

,

```
"messages": {
    ".read": "auth != null",
    ".write": "auth != null",
    "content": {
        ".validate": "newData.val().length > 0"
    },
    "image": {
        ".validate": "newData.val().length > 0"
    },
    "user": {
        ".validate": "newData.hasChildren(['id', 'name', 'image'])"
    }
},
```

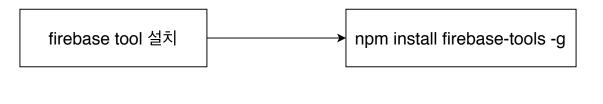
presence & typing

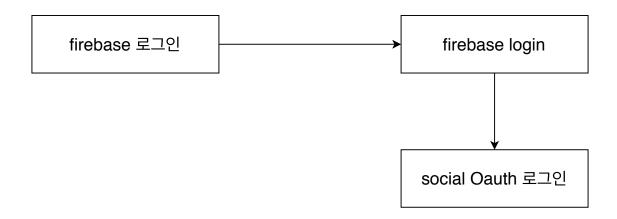
users

```
-- SJ7Sha7kLCUVbLhwYftCct897UR2
----- image: "http://gravatar.com/avatar/
---- name: "jaewon"
```

```
"users": {
    ".read": "auth != null",
    "$uid": {
        ".write": "auth != null && auth.uid === $uid",
        ".validate": "newData.hasChildren(['name', 'image'])",
        "name": {
            ".validate": "newData.val().length > 0"
        },
        "image": {
            ".validate": "newData.val().length > 0"
        }
    }
}
```

애플리케이션 배포하기





Woohoo!

Firebase CLI Login Successful

You are logged in to the Firebase Command-Line interface. You can immediately close this window and continue using the CLI.



Database, Storage 선택 Database: Deploy Firebase Realtime Database Rules
 Firestore: Deploy rules and create indexes for Firestore
 Functions: Configure and deploy Cloud Functions
 Hosting: Configure and deploy Firebase Hosting sites
 Storage: Deploy Cloud Storage security rules
 Emulators: Set up local emulators for Firebase features
 Remote Config: Get, deploy, and rollback configurations for Remote Config

Project Setup

=== Project Setup

First, let's associate this project directory with a Firebase project. You can create multiple project aliases by running **firebase use --add**, but for now we'll just set up a default project.

- ? Please select an option:
- > Use an existing project
 Create a new project
 Add Firebase to an existing Google Cloud Platform project
 Don't set up a default project
 ■

Please select an option: Use an existing project
Please select a default Firebase project for this directory:
 chat-bot-app-test (chat-bot-app-test)
 jaewon-react-slack (jaewon-react-slack)

Database & Storage Setup

=== Database <u>Setup</u>

Firebase Realtime Database Rules allow you to define how your data should be structured and when your data can be read from and written to.

? What file should be used for Database Rules? database.rules.json
✓ Database Rules for test-app-beca5 have been downloaded to database.rules.json.
Future modifications to database.rules.json will update Database Rules when you run firebase deploy.

=== Storage Setup

Firebase Storage Security Rules allow you to define how and when to allow uploads and downloads. You can keep these rules in your project directory and publish them with **firebase deploy**.

? What file should be used for Storage Rules? (storage.rules) ■



```
배포(deploy)를 위한 빌드 → npm run build
```

```
{
  "hosting": {
    "public": "./build"
}.
  "database": {
    "rules": "database.rules.json"
},
  "storage": {
    "rules": "storage.rules"
}
}
```

빌드하기 firebase deploy