6주차(24.04.11)

- https://docs.aws.amazon.com/ko_kr/sdk-forjavascript/v3/developer-guide/lex-bot-example.html
- https://github.com/aws-samples/awkr/blob/master/aiservices/lex-koreaworkshop/HelloWorldBot.md

Amazon Lex 챗봇 빌드

PDF RSS

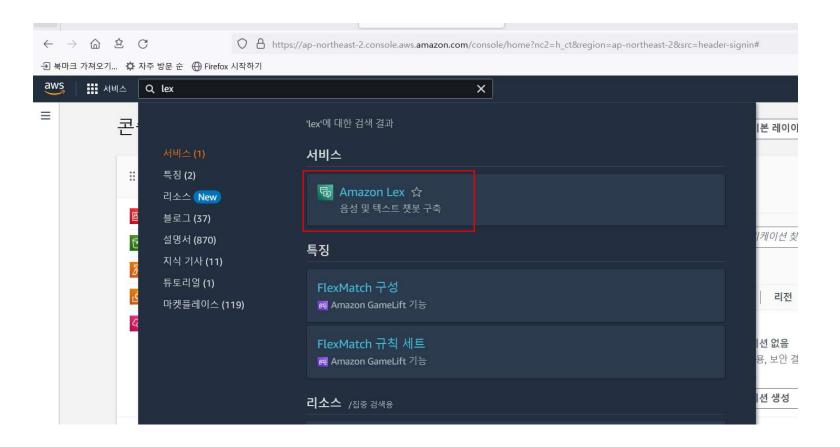
웹 애플리케이션 내에 Amazon Lex 챗봇을 생성하여 웹 사이트 방문자의 참여를 유도할 수 있 Lex 챗봇은 사람과 직접 접촉하지 않고도 사용자와 온라인 채팅 대화를 수행하는 기능입니다 림은 호텔 객실 예약과 관련하여 사용자의 참여를 유도하는 Amazon Lex 챗봇을 보여줍니다.

Amazon Lex - BookTrip

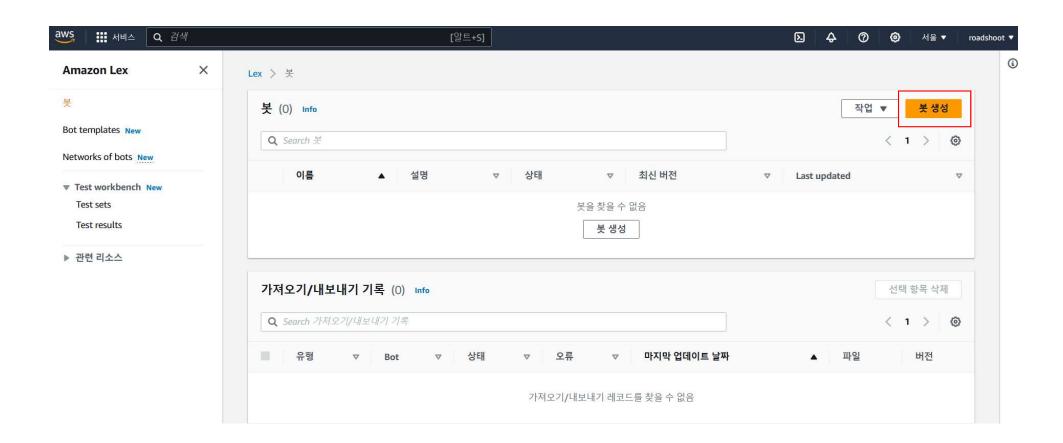
This multiple language chatbot shows you how easy it is to incorporate Amazon Lex into your web apps. Try it out.



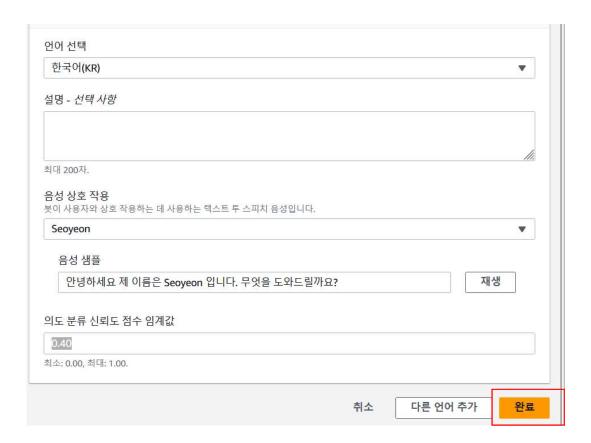
Amazon Lex



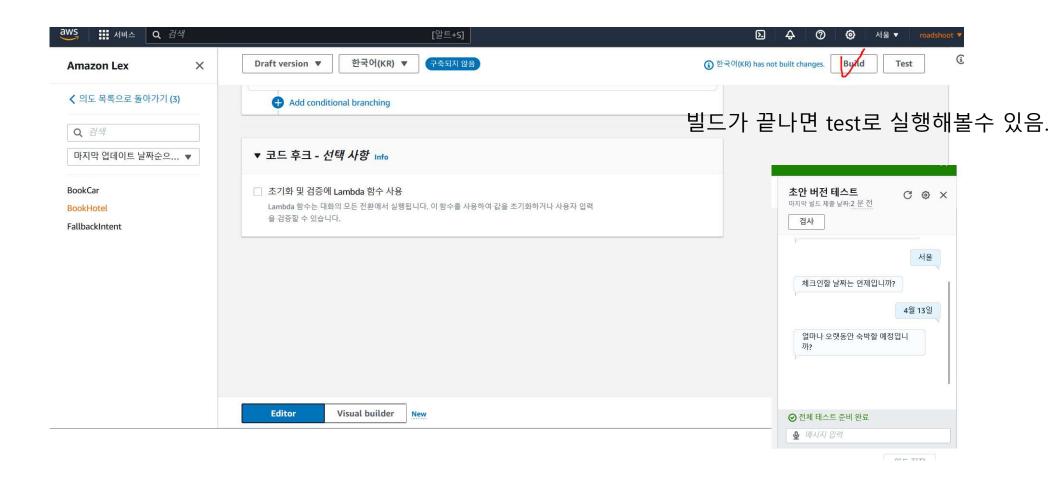
봇 생성



booktrip예제생성



Build



Node.js install

```
C:₩Windows₩System32₩cmd ×
Microsoft Windows [Version 10.0.22631.3447]
(c) Microsoft Corporation. All rights reserved.
                                                      "name": "chatbot",
                                                      "version": "1.0.0",
E:\05.VSCode\chatbot>npm init
                                                      "description": ""
                                                      "main": "index.js",
                                                      "scripts": {
                                                        "test": "echo \"Error: no test specified\" &&
                                                      "author": "",
                                                      "license": "ISC"
                                                    Is this OK? (yes) y
                                                    E:\05.VSCode\chatbot>npm install aws-sdk --save
```

Node.js install

Step 2: Set Up the Node.js Project

Now, let's set up a Node.js project to integrate the chatbot into our website:

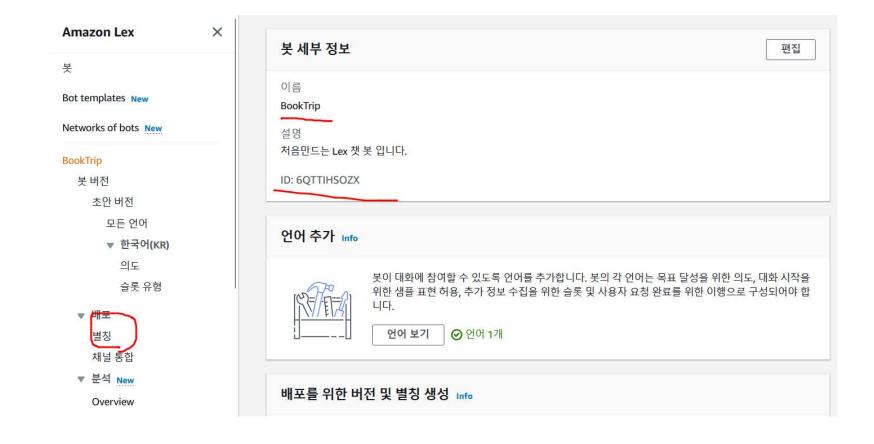
- 1. Create a new directory for your project and navigate into it.
- 2. Initialize a new Node.js project by running the following command in your terminal:



3. Install the AWS SDK for JavaScript using the following command:



별칭

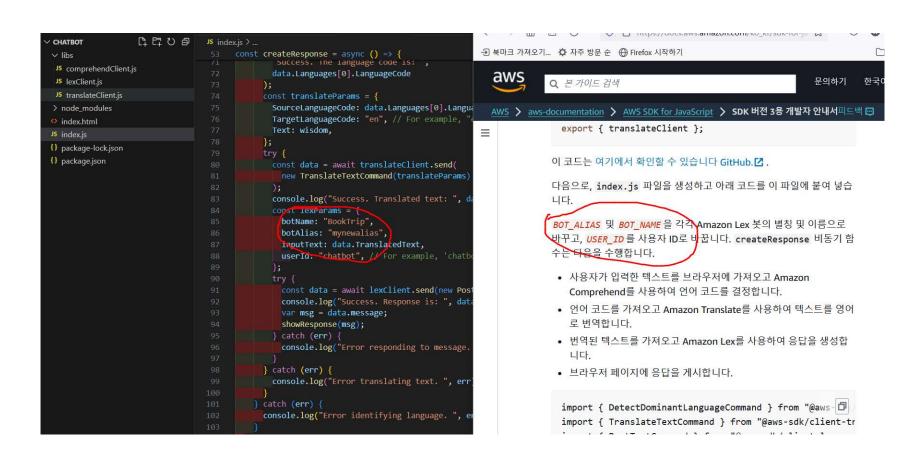


Index.html

HTML 생성

index.html 이라는 이름의 파일을 만듭니다. 아래 코드를 복사하여 index.html 에 붙여 넣습니다. 이 HTML은 main.js를 참조합니다. 이는 필수 AWS SDK for JavaScript 모듈이 포함된 index.js의 번들 버전입니다. HTML 생성에서 이 파일을 생성합니다. 또한 index.html 은 스타일을 추가하는 style.css 도 참조합니다.

BOT_ALIAS, BOT_NAME 변경



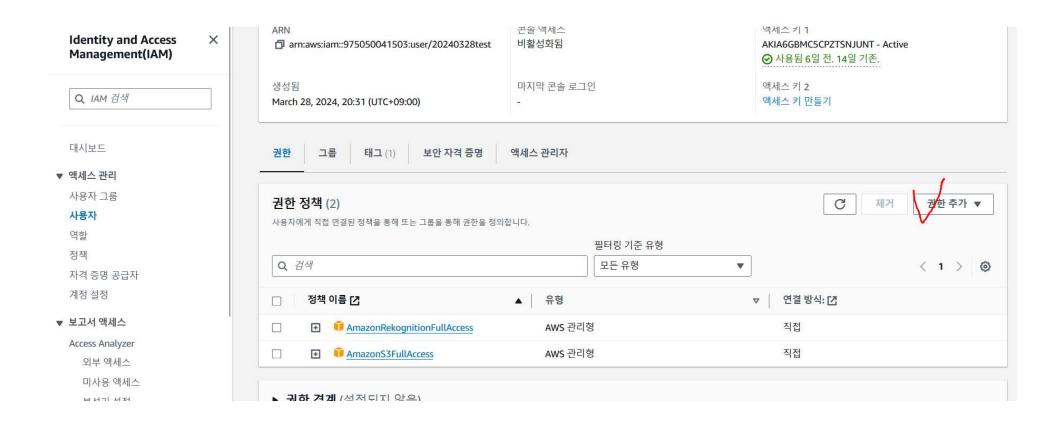
AccessKey 설정

- AWS.config.update({
- accessKeyId: 'AKIA6GBMC5CPZTSNJUNT',
- secretAccessKey: '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',
- region: 'ap-northeast-2'
- });

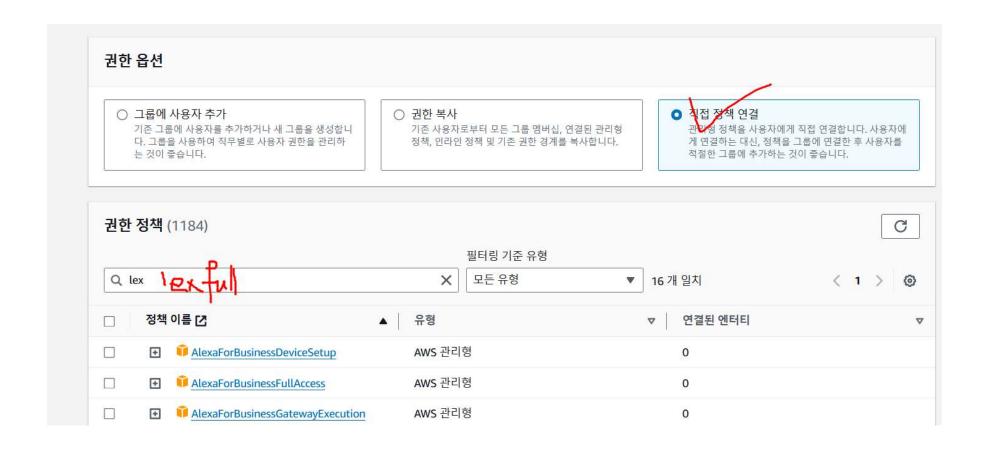
index.js

```
∨ libs
                                                                                                                            > USER
 JS comprehendClient.js
                                        var AWS __require('aws-sdk');
 JS lexClient.js
                                        const { LexRuntimeV2 } = require("@aws-sdk/client-lex-runtime-v2");
 JS translateClient.js
                                         const lexruntime = new LexRuntimeV2({
> node_modules
                                          region: "us-west-2",
index.html
                                           credentials: new AWS.Credentials({
JS index.js
                                            accessKeyId: "",
{} package-lock.json
                                            secretAccessKey: ""
{} package.json
                                        const lexparams = {
                                           "botAliasId": "TSTALIASID", // Enter the botAliasId
                                           "botId": "9ILHOOSAWE",
                                           "localeId": "en US",
                                           "text": "I would like to book a hotel",
                                          "sessionId": "some session id"
                                         lexruntime.recognizeText(lexparams, function(err, data) {
                                          if (err) console.log(err, err.stack); // an error occurred
                                          else
                                                    console.log(data);
                                  PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

IAM 권한추가



lexfull 권한 추가



언어변경

```
EXPLORER
                                  index.html
                                                   JS index.js X {} package-lock.json
                                                                                        JS comprehendClient.js
                                                                                                                JS lexClient.is
                                                                                                                                JS translateClient.js
                   CA CT U F
                                   JS index.js > [0] lexparams
∨ CHATBOT
                                         const { LexRuntimeV2 } = require("@aws-sdk/client-lex-runtime-v2");
∨ libs
                                                                                                                              > USER
                                                                                                                                                     Aa <u>ab</u> * No results ↑ ↓
 JS comprehendClient.js
                                          const lexruntime = new LexRuntimeV2({
 JS lexClient.js
                                           region: "ap-northeast-2",
 JS translateClient.js
                                           credentials: new AWS.Credentials({
 > node modules
                                             accessKeyId: "AKIA6GBMC5CPZTSNJUNT",
                                                                                      // Add your access IAM accessKeyId
index.html
                                             secretAccessKey: "IvWz3qivO/aZAdB+DRjosWR9tUbZaKf2VOObzFwN" // Add your access IAM secretAccessKey
JS index.js
{} package-lock.json
{} package.json
                                          const lexparams = {
                                            "botAliasId": "TSTALIASID", // Enter the botAliasId
                                            "botId": "6QTTIHSOZX",
                                                                           // Enter the botId
                                            "localeId": "ko KR",
                                            "text": "호텔을 예약하고 싶어"/
                                            "sessionId": "some session id"
                                          lexruntime.recognizeText(lexparams, function(err, data) {
                                           if (err) console.log(err, err.stack); // an error occurred
                                                     console.log(data);
                                           else
```

실행

- cmd창에서 아래 명령어 실행
- node index

```
C:₩Windows₩System32₩cmd ×
interpretations: [
    intent: [Object],
    interpretationSource: 'Lex',
    nluConfidence: [Object]
    intent: [Object],
    interpretationSource: 'Lex',
    nluConfidence: [Object]
  {
intent: [Object], interpretationSource: 'Lex' }
messages: [ { content: '어떤 도시에서 숙박할 예정입니까?', contentType: 'PlainText' } ],
sessionId: 'some_session_id',
sessionState: {
  dialogAction: { slotToElicit: 'Location', type: 'ElicitSlot' },
    confirmationState: 'None',
    name: 'BookHotel',
    slots: {},
    state: 'InProgress'
  originatingRequestId: '49a7ec74-6af6-40a4-8cef-37ff053a4cb9',
  sessionAttributes: {}
```