

# 왕초보, 코딩없이 챗봇 만들기

우 종 하

# 발표자 소개

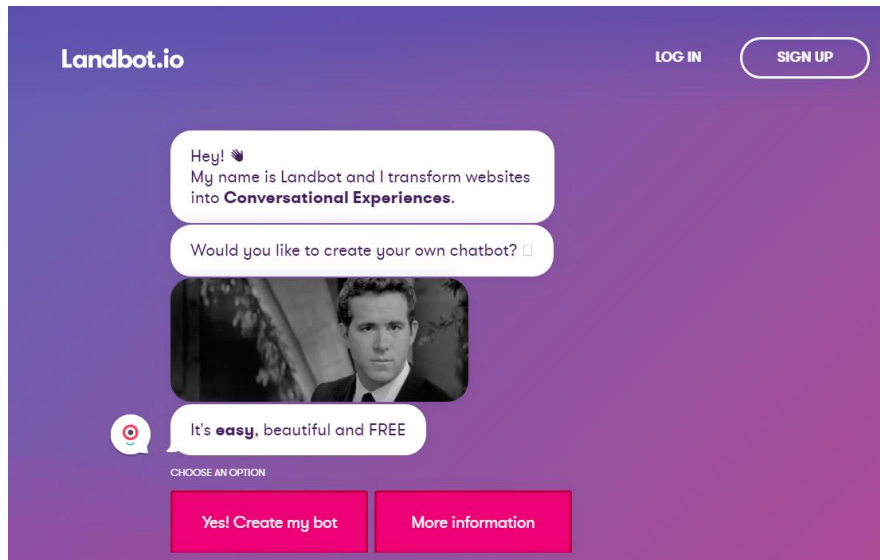
- 챗봇 개발자 모임 운영
  - 페이스북 그룹
  - 챗봇, 인공지능 스피커, 자연어 처리 관련 커뮤니티



# Landbot.io로 영화홍보 챗봇 만들기

# Landbot.io 소개

- 웹 기반 챗봇에 적합
- 플로차트로 쉽게 구현
- 자연어처리
  - 문장 입력은 안됨
  - 메뉴 선택만 가능
- 무료 버전
  - 한달에 100번 챗봇 대화 가능  
(계정 여러개로 한번씩 사용)
  - 챗봇 당 최대 30개 대화만 작성  
할 수 있음



<https://landbot.io/>

# 새로운 챗봇 생성

The screenshot displays the Landbot.io dashboard interface. At the top, the header includes the Landbot.io logo, a status bar showing 'Remaining free chats: 98' and an 'Upgrade' button, and navigation links for 'Dashboard', 'Chats v2 BETA', and 'Help'. Below the header, a 'Pick a template' section offers four options: 'Lead Generation' (11149 hearts), 'Survey' (4386 hearts), 'Event Registration' (1270 hearts), and 'Job Application' (1055 hearts). A red dashed box highlights the 'Create a Landbot' button in the bottom right of the template section. Below this, a list of existing chatbots is shown, with the first one, '어벤져스' (Avengers), highlighted by a red box. This chatbot has a URL, a profile picture, and statistics for 50 chats, 0 leads (0%), and 1 finished chat (2%).

Landbot.io Remaining free chats: 98 Upgrade Dashboard Chats v2 BETA Help

Pick a template

Lead Generation 11149 Survey 4386 Event Registration 1270 Job Application 1055

Create a Landbot

어벤져스  
https://landbot.io/u/H-62166-8LKW...  
CHATS 50 LEADS 0 0% FINISHED 1 2%

# Builder 메뉴

미리보기 저장

The screenshot displays the Bot Builder interface with a blue grid background. On the left, a sidebar contains four main menu items: 'SEND A MESSAGE' (speech bubble icon), 'ASK A QUESTION' (lightbulb icon), 'POWER-UPS' (rocket icon), and 'INTEGRATIONS' (circular arrow icon). Below these is a zoom control set to 100% and a 'FIRST STEPS' button with a heart icon and a red '2' badge. The top navigation bar includes a back arrow, a 'New bot' button, and a series of tabs: 'Builder' (active), 'Design', 'Settings', 'Share', and 'Analyze'. On the right, there are 'PREVIEW' and 'SAVE & PUBLISH' buttons. The main workspace shows a workflow diagram. A 'START MESSAGE' block is highlighted with a dashed border. It contains a 'Hello there!' message, a 'Hi!' button, and an 'Any option (default)' button. A green arrow points from the 'Any option (default)' button to a subsequent block labeled 'This is another bot messa...'. To the right of this block is a text prompt: 'DRAG IT TO CREATE A NEW BLOCK' with a plus icon. In the bottom right corner, there is a red circular chat bubble icon.

Builder > Design > Settings > Share > Analyze

SEND A MESSAGE

ASK A QUESTION

POWER-UPS

INTEGRATIONS

100%

FIRST STEPS 2

START MESSAGE

Hello there!


Hi!

Any option (default)

This is another bot messa...

DRAG IT TO CREATE A NEW BLOCK


# Design 메뉴


[←](#)  New bot


Builder > **Design** > Settings > Share > Analyze


[PREVIEW](#) [SAVED](#)


DESIGN [CONTINUE](#)

 DESIGN TEMPLATES


 LOGO & AVATAR


 COLORS & BACKGROUND

 FONTS

 ADVANCED

디자인 항목 변경

 **deepseas** Get more leads using chatbots | |


 17:14

Hello there!



CHOOSE AN OPTION

Hi!

[Start using Landbot.io for your business](#)




# Settings 메뉴


  New bot


Builder > Design > **Settings** > Share > Analyze

PREVIEW SAVED

SETTINGS CONTINUE

 GENERAL

 CUSTOM RESPONSES

 SEO & TRACKING

설정 변경

GENERAL

Landbot Name (Only visible to you)

New bot

Plan Sandbox (Free)

UPGRADE NOW

Landbot.io branding

Second visit


Provide buttons to start again or continue

Disable landbot

Delete landbot



DELETE

Apply changes






# Share 메뉴


  New bot

Builder > Design > Settings > **Share** > Analyze

PREVIEW SAVED

SHARE CONTINUE

 SHARE

 EMBED INTO YOUR WEBSITE

챗봇 공유


SHARE


Use this link to share your bot


<https://landbot.io/u/H-102044-HCFO2HFQ5MS3RUC>


OPEN COPY


Share it on:












# Analyze 메뉴


[←](#)  New bot


Builder > Design > Settings > Share > **Analyze**


**PREVIEW** **SAVED**

ANALYZE

CLOSE BOT



 METRICS

 USERS

 FLOW ANALYTICS

**통계 정보**


**METRICS**

Your chatbot has **no friends to talk yet**

**Share your bot with the world**

and make this chatbot happy ♥



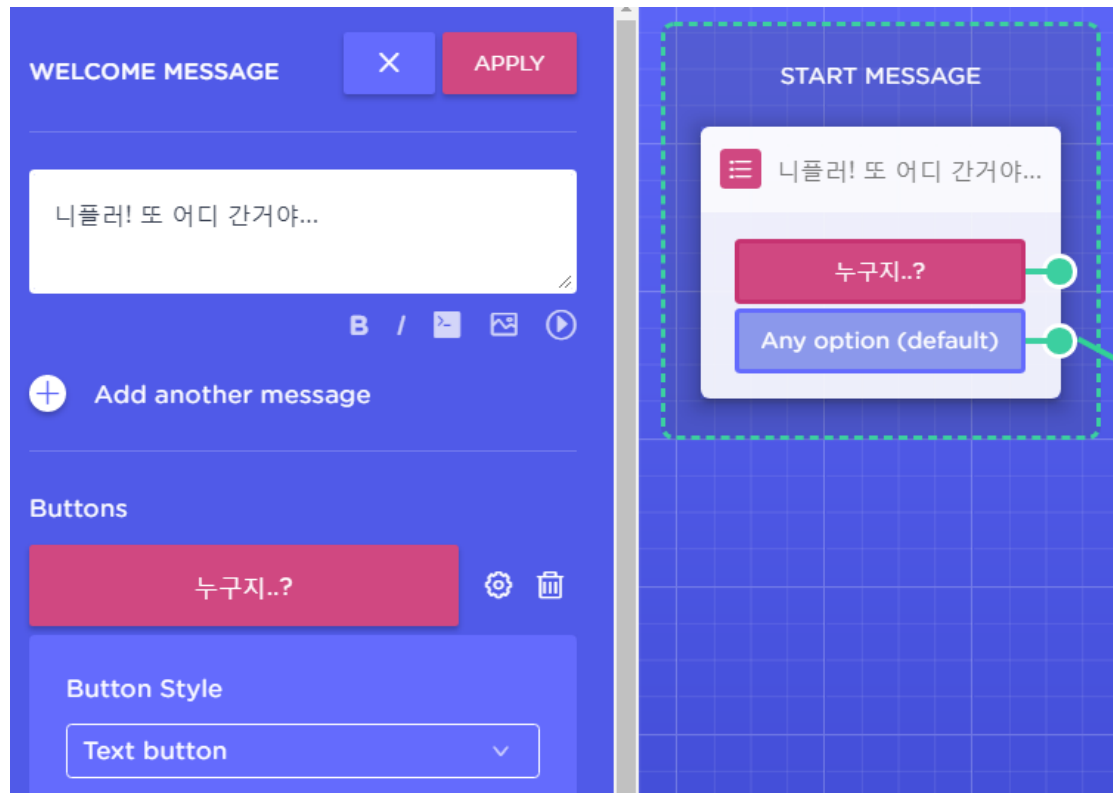
# 아바타 사진 변경

The screenshot displays the 'New bot' interface in the Landbot.io Builder. The top navigation bar includes 'Builder', 'Design' (highlighted with a red dashed box), 'Settings', 'Share', and 'Analyze'. On the right, there are 'PREVIEW' and 'SAVE & PUBLISH' buttons.

The left sidebar contains the 'New bot' configuration panel. The 'LOGO & AVATAR' section includes fields for 'Header logo text' (deepseas), 'Header logo' (with an 'Upload image' button and a 'Delete' button), and 'Header tagline (max. 50 char.)' (Get more leads using chatbots). The 'Edit avatar' section (highlighted with a red dashed box) has 'No' and 'Yes' buttons. Below it, the 'Chatbot avatar' section includes an 'Upload image' button, a small avatar image, and a 'Delete' button. The 'Shape' dropdown is set to 'Original', and the 'Scale' slider is visible.

The main canvas shows a chatbot conversation on a teal background. The chatbot's header text is 'deepseas Get more leads using chatbots | |'. The conversation starts with a user message 'Hello there!' at 17:47, followed by a system prompt 'CHOOSE AN OPTION'. A red button labeled 'Hi!' is shown as a response option. At the bottom right, there is a button that says 'Start using Landbot.io for your business' and a circular chat icon.

# Welcome 메시지 작성



# ASK A QUESTION -> BUTTONS 선택

QUESTION:  
BUTTONS

✕

APPLY

잡았다, 이 말썽꾸러기 녀석!


VARIABLES

B /

Attach image



UPLOAD IMAGE





Buttons

혹시 그 유명한 마법사 뉴트 스캐...



+

Add another button

이미지 추가



# Buttons에 2개 선택지 추가

The image shows a chatbot builder interface with a left sidebar and a main workspace.

**Left Sidebar:**

- QUESTION: BUTTONS** (with X and APPLY buttons)
- Text input: "아, 지금 그린델왈드를 잡으러 가는 길이라 좀 바빠서요."
- VARIABLES** (with B / > icons)
- Attach image** (with a slider)
- Buttons** section containing:
  - Button 1: "저도 같이 돕고 싶어요!" (with settings and delete icons)
  - Button 2: "제가 응원할게요, 파이팅!" (with settings and delete icons)
  - + Add another button**

**Main Workspace:**

- Background is a blue grid.
- Two chat bubbles are shown:
  - Bubble 1:** Header "잡았다, 이 말썽꾸러기 녀석!". It contains two buttons: "혹시 그 유명한 마법사 뉴트 스캐..." and "Any option (default)".
  - Bubble 2:** Header "아, 지금 그린델왈드를 잡으러 ...". It contains two buttons: "저도 같이 돕고 싶어요!" and "제가 응원할게요, 파이팅!". Below these is a button labeled "Both options (default)".
- Green arrows indicate a flow from Bubble 1 to Bubble 2.
- Top right of the workspace has icons for a document and a trash can.

# SEND A MESSAGE 선택

SEND A MESSAGE

X APPLY

죄송하지만 머글은 참여할 수가 없어서요...

VARIABLES B / [Icons]

아, 지금 그린델왈드를 잡으러 ...

저도 같이 돕고 싶어요!

제가 응원할게요, 파이팅!

Both options (default)

죄송하지만 머글은 참여할 수가...

SEND A MESSAGE

X APPLY

아..감사합니다.

VARIABLES B / [Icons]

아, 지금 그린델왈드를 잡으러 ...

저도 같이 돕고 싶어요!

제가 응원할게요, 파이팅!

Both options (default)

죄송하지만 머글은 참여할 수가...

아..감사합니다.

# ASK A QUESTION -> EMAIL 선택

QUESTION: EMAIL

XAPPLY

혹시 영화예매권이 필요하시면 이메일을 입력하세요.

VARIABLESB /

Attach image

Save answers in the field

@ email

죄송하지만 머글은 참여할 수가...

아..감사합니다.

혹시 영화예매권이 필요하시면 ...



# SEND A MESSAGE -> 이미지 추가

The image shows a 'SEND A MESSAGE' interface on a blue background. On the left, there is a panel with the title 'SEND A MESSAGE' and buttons for 'X' and 'APPLY'. Below the title is a large rectangular area containing a movie poster for 'The Green Mile' (그린밀워드의 범죄) with a red 'X' icon in the top right corner. Underneath this area are icons for 'VARIABLES', a bold 'B' button, an italic 'I' button, a text color button, and a play button. Below these is a section labeled 'Image caption' with a white text input field.

In the center, a white message bubble with a red envelope icon contains the text '혹시 영화예매권이 필요하시면 ...'. Green arrows point from the left panel to this bubble and from the bubble to the right panel.

On the right, there is a preview of the message. It shows a white bubble with a movie poster icon in the top left corner and the same 'The Green Mile' movie poster in the center. Above the preview bubble are icons for a document and a trash can. A green circle is visible on the right side of the preview bubble.

# SEND A MESSAGE 선택

The image shows a design tool interface for creating a message. On the left, a panel titled "SEND A MESSAGE" contains a text input field with the Korean text "<신비한 동물들과 그린델왓드의 범죄>를 기대해주세요!". Below the input field is a "VARIABLES" section with icons for bold (B), italic (/), underline, image, and play. To the right of the panel, a green arrow points to a preview of the message card. The card features a movie poster for "The Crimes of Grindelwald" and a speech bubble icon. A second green arrow points from the card to a final message bubble on the right, which contains the text "<신비한 동물들과 그린델왓드...". The entire interface is set against a blue grid background.

SEND A MESSAGE

X APPLY

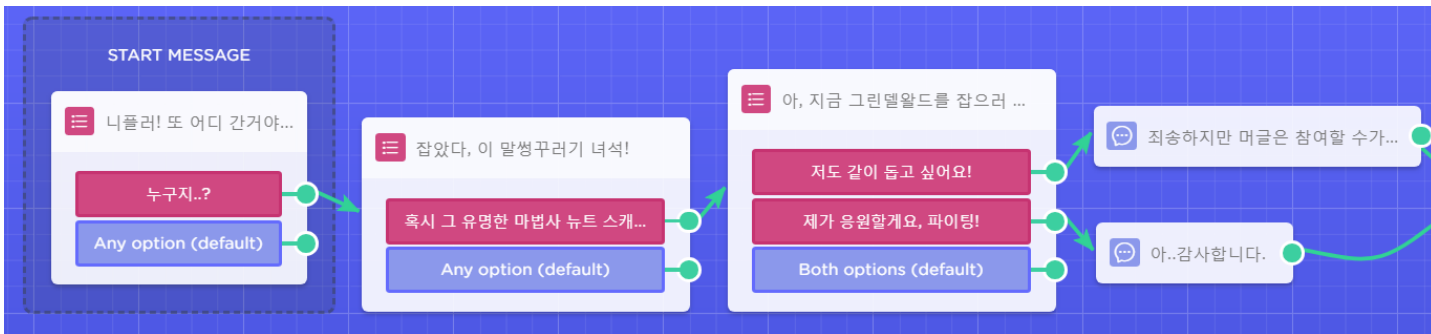
<신비한 동물들과 그린델왓드의 범죄>를 기대해주세요!

VARIABLES B / [underline] [image] [play]



그린델왓드의 범죄

<신비한 동물들과 그린델왓드...

# 전체 대화 흐름

















# 대시보드에서 생성된 챗봇 확인



By creation date ▲

Type & search...

Create a Landbot

	<b>어벤져스</b> <a href="https://landbot.io/u/H-62166-8LKW...">https://landbot.io/u/H-62166-8LKW...</a>	  	 CHATS <b>50</b>	 LEADS <b>0</b> 0%	 FINISHED <b>1</b> 2%
	<b>New bot</b> <a href="https://landbot.io/u/H-102044-HCF...">https://landbot.io/u/H-102044-HCF...</a>	  	 CHATS <b>1</b>	 LEADS <b>1</b> 100%	 FINISHED <b>1</b> 100%

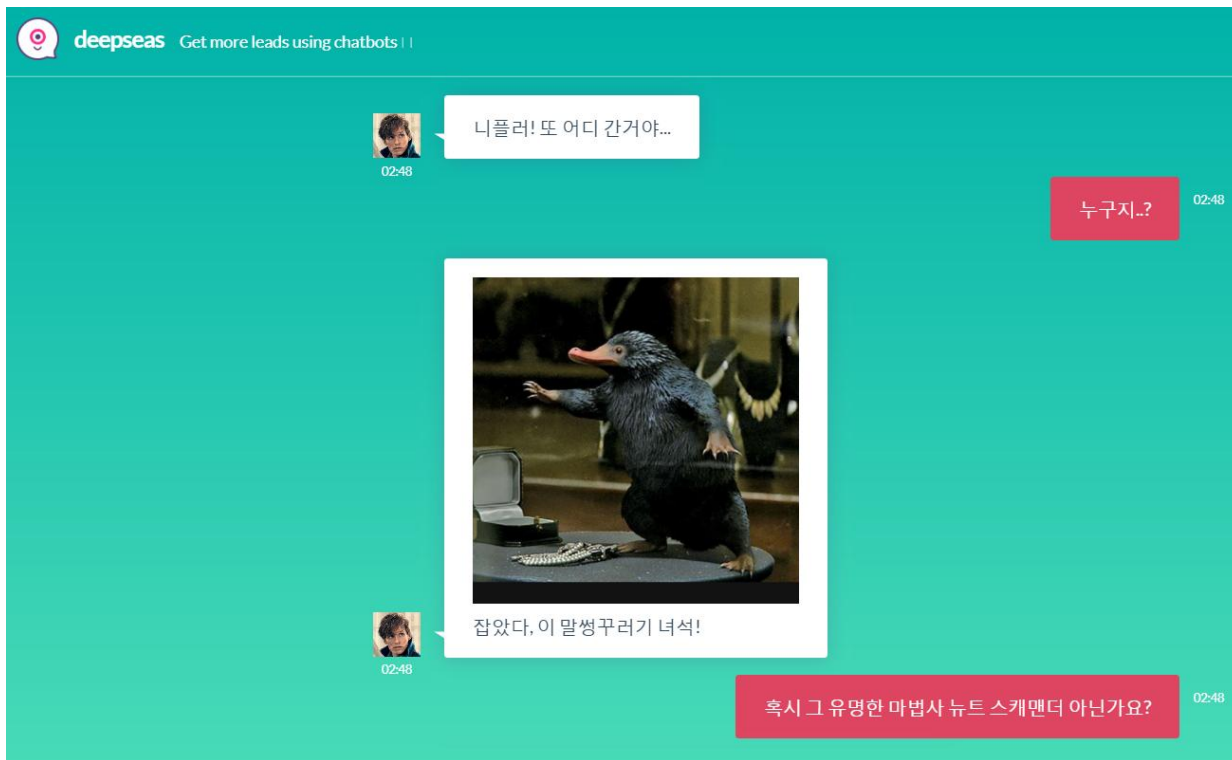
수정

대화기록



챗봇 링크

통계

# 챗봇 테스트



# Analyze -> USERS

  New bot

PREVIEW

SAVED

Builder > Design > Settings > Share > Analyze

CSV 파일 받기

ANALYZE



CLOSE BOT



METRICS


USERS

FLOW ANALYTICS

USERS (1 record)

 All 



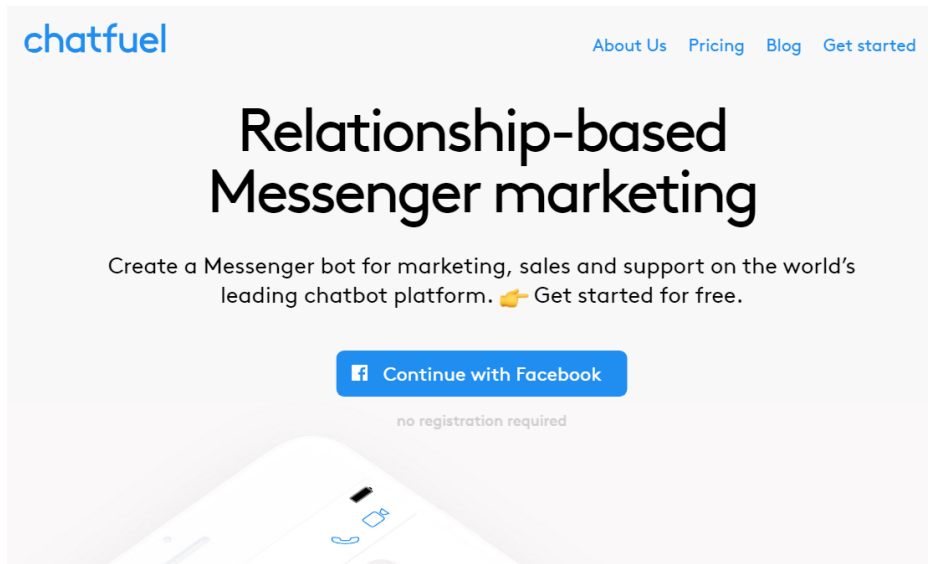
Country	First seen	@email
Republic of Korea	2018-11-15 09:48:50	qqq@qqq.com

이메일 목록 확인

# Chatfuel로 타로 챗봇 만들기

# Chatfuel 소개

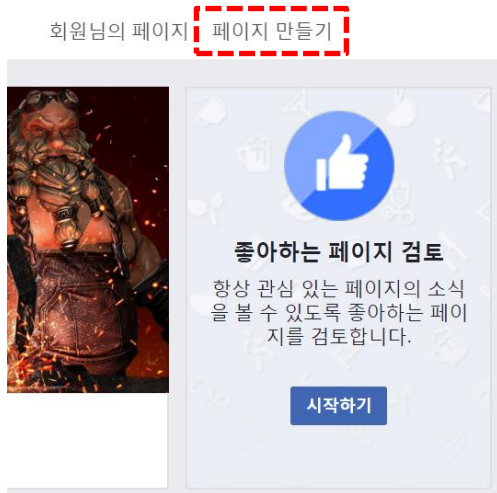
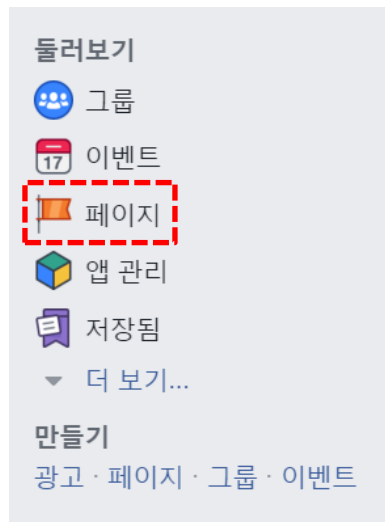
- 페이스북 메신저 전용 챗봇
- 다양한 UI 사용 가능
- 자연어처리
  - 의도 / 개체 분석 안됨
  - 문장 유사도 비교만 지원
- 무료 버전
  - 시작시 Chatfuel 소개 문구
  - 최초 5000명 이후의 유저는 챗봇 사용 불가



<https://chatfuel.com/>



# 페이스북 페이지 생성



# 새로운 챗봇 생성

[HELP](#)[BLOG](#)[COMMUNITY](#)[DASHBOARD](#)

JONGHA WOO

Dashboard

[All Templates](#)[Featured](#)[New](#)[Basics](#)[Marketing](#)[Business](#)[Tools](#)**Blank Bot**

Add to Your Dashboard

**Starter – Learn the Basic Concepts**

by Chatfuel

[Preview](#)

\$149.00

**Gym**

by Andrew Demeter

[Preview](#)**Segment your Audience**

by Chatfuel

[Preview](#)**Lead Scoring**

by Dana Tran

[Preview](#)**Publisher**

by TechCrunch

**Influencer**

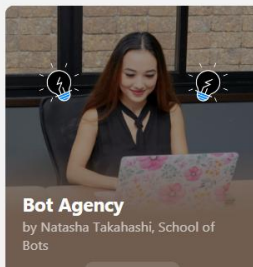
by Josh Bocanegra

**Shopify Store**

by GoBeyond.ai

**Hotel**

by Nick Moussoulis

**Bot Agency**

by Natasha Takahashi, School of Bots



# Automate 메뉴



Blank Bot  
✓ SAVED

## 대화 블록 작성



CONNECT TO FACEBOOK



TEST THIS CHATBOT



Automate

Welcome  
Message

Default Answer

ADD BLOCKS HERE



+ ADD SEQUENCE OR GROUP



People



Broadcast



Configure



Grow



Analyze



Upgrade

### Welcome Message

Hi, {{first name}}! Nice to meet you.

You successfully connected your bot created on <https://chatfuel.com> to your page.

Messages from this block are shown to your users when they first start to chat with your bot.

Make sure to never leave this block empty.

Introduce your new users to what your bot does and write something helpful to onboard them for the first time.

+ ADD BUTTON

# Set Up AI 메뉴



Blank Bot  
✓ SAVED

## 문장의 유사도를 비교하여 대답 수행



CONNECT TO FACEBOOK



TEST THIS CHATBOT



Automate



Set Up AI



People



Broadcast



Configure



Grow



Analyze



Upgrade

### Set up how bot replies to text messages

Your bot will understand user phrases similar to those you write on the left and reply with some text or a block. Bot language: [English](#) ▼

Keywords or Blocks

Default group +

if user says something similar to

hi ↵ hello (press 'enter' to separate phrases)

bot replies with

+ add [Block](#) or [Text](#) reply

+ Add AI Rule



# Broadcast 메뉴



Blank Bot  
✓ SAVED

## 사용자에게 먼저 메시지를 보냄



CONNECT TO FACEBOOK



TEST THIS CHATBOT



Automate



Set Up AI



People



Broadcast



Configure



Grow



Analyze



Upgrade

DELIVER YOUR MESSAGE NOW



ADD A TRIGGER



SCHEDULE FOR LATER



AUTOPOST FROM EXTERNAL SOURCE



Broadcast functionality allows you to proactively reach out to your audience. Filter your users based on their attributes and send personalized messages. Start by choosing the type of broadcast you want to send on the left.

# Configure 메뉴



Blank Bot  
✓ SAVED

## 설정 (페이지 연결, 메뉴 버튼 등)

TEST THIS CHATBOT



Automate



Set Up AI



People



Broadcast



Configure



Grow



Analyze



Upgrade

### Bot Publishing

CREATE FACEBOOK PAGE

#### YOUR FACEBOOK PAGES



아이언맨 챗봇

CONNECT TO PAGE



4 Pics Quiz - Guess the Word

CONNECT TO PAGE



Virtual Life

CONNECT TO PAGE



강다니엘 챗봇

CONNECT TO PAGE



가상톡 - 감성 챗봇

CONNECT TO PAGE



100 이 퀴즈 챗봇

CONNECT TO PAGE



Blank Bot  
✓ SAVED

## 사용자를 모으기 위한 방법들



CONNECT TO FACEBOOK



TEST THIS CHATBOT



Automate



Set Up AI



People



Broadcast



Configure



Grow



Analyze

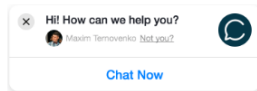


Upgrade

### Growth Tools

#### Customer Chat Plugin for Your Website

This plugin allows you to place a Messenger chat window right on your website. All your site visitors starting a chat on the page will automatically become your bot subscribers!



ENABLE



#### Acquire Users from Comments

The best way to convert users from a Facebook page or an ad to your bot. This functionality enables your bot to send an automatic private message to a user who comments on a post on your bot's Facebook page.

+ ADD RULE

#### Landing Page

After you connect your bot to a page, Chatfuel will generate a landing page for it.

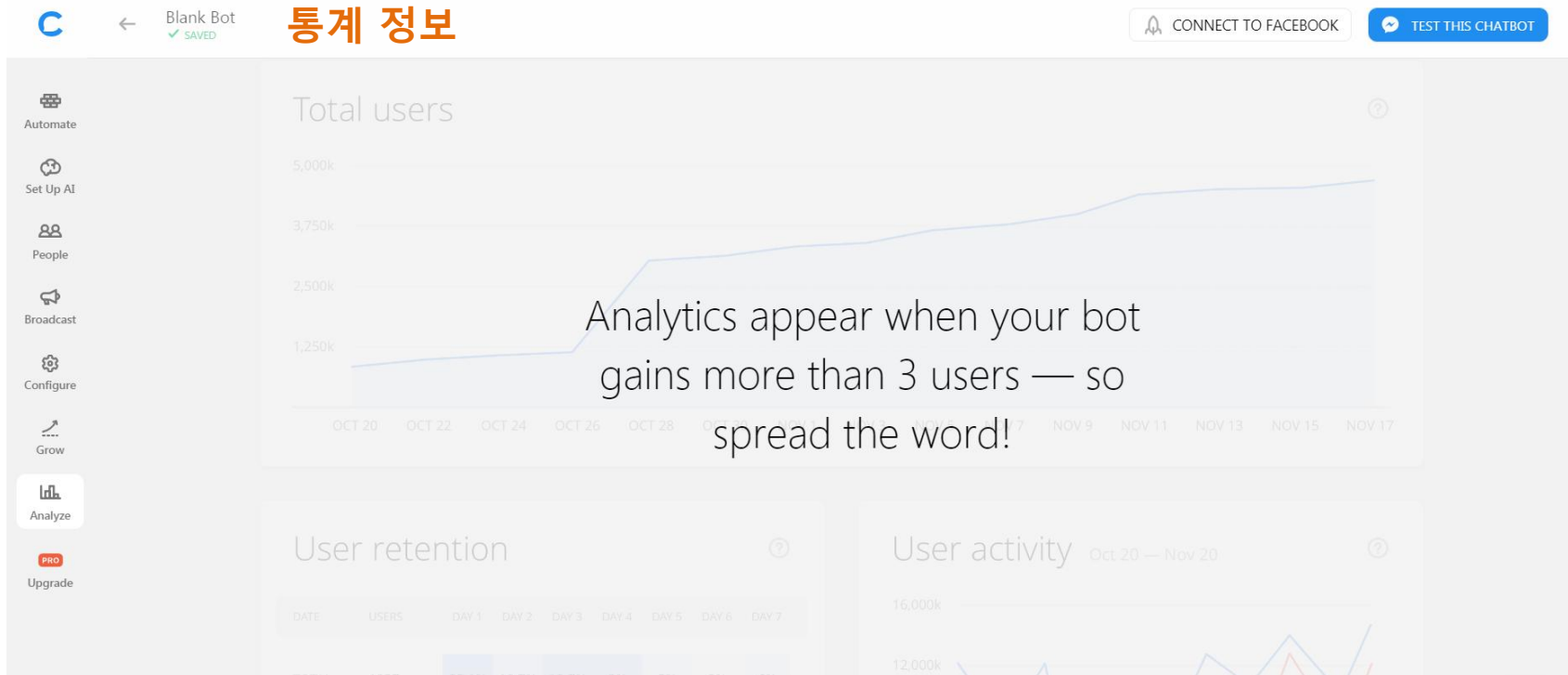
#### Submit Your Bot to the Messenger Discovery Section

To submit your bot, click "Submit the Form"

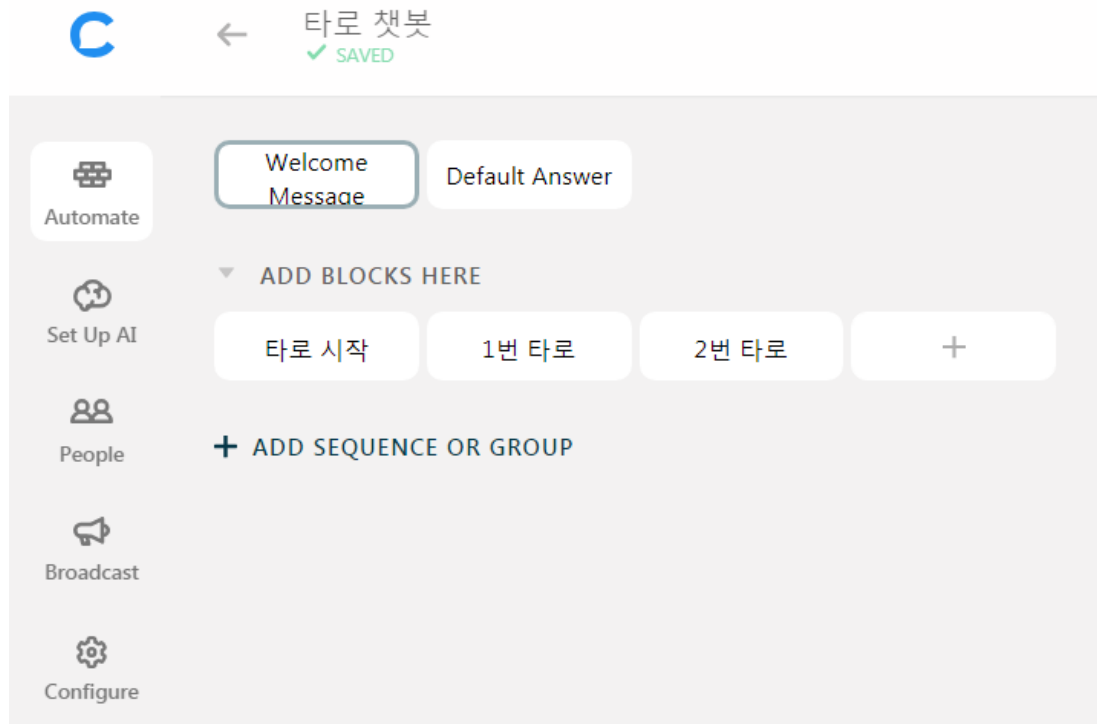





# Analyze 메뉴



# 전체 블록



# 1번 타로 블록

1번 타로 



광대 카드를 뽑았어!

+ ADD BUTTON

ADD A CARD



Text



Typing



Quick Reply



Image



Gallery



Go to Block



to Sequence



# 1번 타로 블록

... Show "typing..." for at least



새로운 출발을 할 시기야~

+ ADD BUTTON

ADD A CARD



# 2번 타로 블록

2번 타로



마법사 카드를 뽑았어!

+ ADD BUTTON

ADD A CARD



Text



Typing



Quick Reply



Image



Gallery



Go to Block



to Sequence



# 2번 타로 블록



Show "typing..." for at least

1 sec

20 sec

이번 시험은 잘 볼 것 같은데~

+ ADD BUTTON

ADD A CARD



Text



Typing



Quick Reply



Image



Gallery




Go to Block



to Sequence



# 타로 시작 블록

타로 시작 

## User Input

Ask bot users questions and save their responses to user attributes. You can then utilize user attributes in broadcasting user filters, Go to Block plugin or export them via Send Email or JSON plugins.

MESSAGE TO USER \*

1~2사이의 숫자를 입력해!

VALIDATION

None ▼

SAVE ANSWER TO ATTRIBUTE \*

{{number}}



+ ADD FIELDS

입력숫자를 변수로 저장

ADD A CARD



Text



Typing



Quick Reply



Image



Gallery



Go to Block



to Sequence




# 타로 시작 블록

## Go to Block

Lets you redirect users to random or specific block depending on User Attributes when entering a block with this plugin.

sequence	is not
attribute	number
is	1, 2
segment	starts with



 See people matching the filter

THEN REDIRECT TO BLOCK\*

☒ RANDOM

1번 타로









Enter block name

OR

2번 타로

Enter block name

ADD A CARD

 Text	 Typing	 Quick Reply	 Image	 Gallery	 Go to Block	 to Sequence	
---	---	--	--	--	--	--	---

number 변수가  
1 또는 2일때  
두개 블록 중  
랜덤하게 선택



# Welcome Message 블록

Welcome Message

메신저 유저 이름

안녕, {{first name}}! 난 타로 운세를 알려주는 챗봇이야~

+ ADD BUTTON

# Default Answer 블록

Default Answer

타로 운세를 알려줄까?

+ ADD BUTTON

**블록 연결**

응  
타로 시작

아니  
Welcome Mess

+ ADD QUICK REPLY

Save to: {{...}} USER ATTRIBUTE

Conversation pause ⓘ

ADD A CARD

Text

Typing

Quick Reply

Image

Gallery

Go to Block

to Sequence

+

# Set Up AI 문장 추가

## Set up how bot replies to text messages

Your bot will understand user phrases similar to those you write on the left and reply with some text or a block. Bot language: [English](#) ▼

Keywords or Blocks

Default group



if user says something similar to

심심해

유사도 비교하여 일치 판단

bot replies with

뭐하고 놀까?

+ add [Block](#) or [Text](#) reply

if user says something similar to

안녕

bot replies with

반가워 ㅎㅎ

+ add [Block](#) or [Text](#) reply

+ Add AI Rule

# 고정 메뉴 설정

## Persistent Menu **Configure** 탭 선택

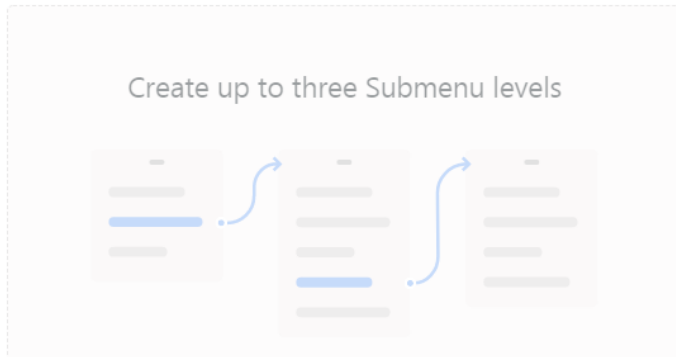
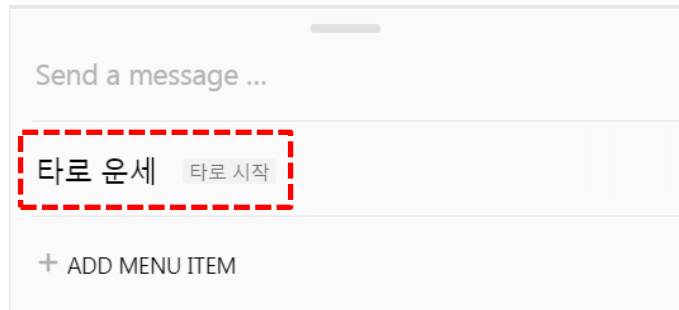
ALL LANGUAGES

+ ADD LOCALIZATION

The Persistent Menu is open by default in Messenger and can be minimized at any time. NOTE: Your bot's menu is cached by Messenger but updates are fetched periodically. To refresh the menu, delete the conversation from Messenger and add again.

Allow User Input ☒ ?

## **키보드 입력 허용**



# 페이스북 페이지 연결



타로챗봇\_테스트

Configure 탭 선택

CONNECT TO PAGE



Virtual Talk - AI Chatbot

CONNECT TO PAGE



아이돌 챗봇

CONNECT TO PAGE



Pocket Friend - Virtual Pet

CONNECT TO PAGE



Bot Publishing

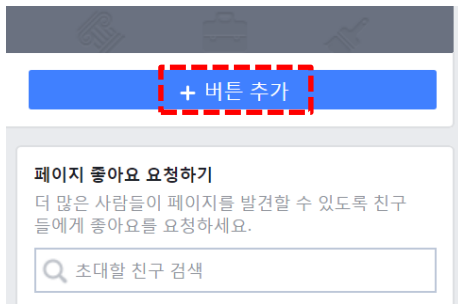


타로챗봇\_테스트

✓ PUBLISHED

DISCONNECT

# 페이스북 페이지 메시지 버튼 추가



## 1단계: 어떤 버튼을 표시하고 싶으신가요?

페이지 상단의 버튼은 사람들의 행동을 유도합니다. 버튼은 페이지 언제든지 수정할 수 있습니다.

📅 예약 서비스 이용

✓ 연락하기

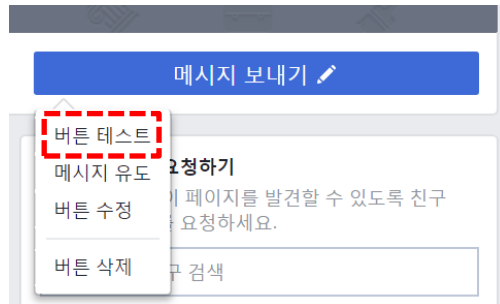
☐ 문의하기

☐ 가입하기

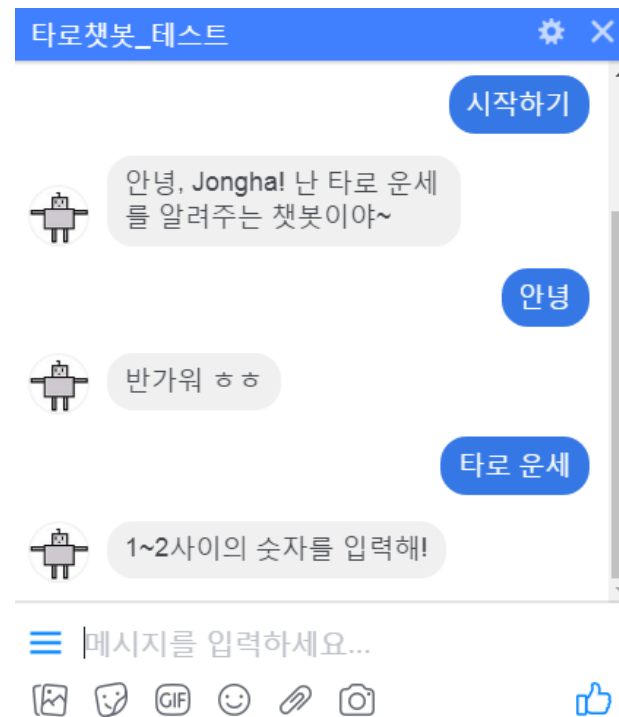
☒ 메시지 보내기

☐ 이메일 보내기

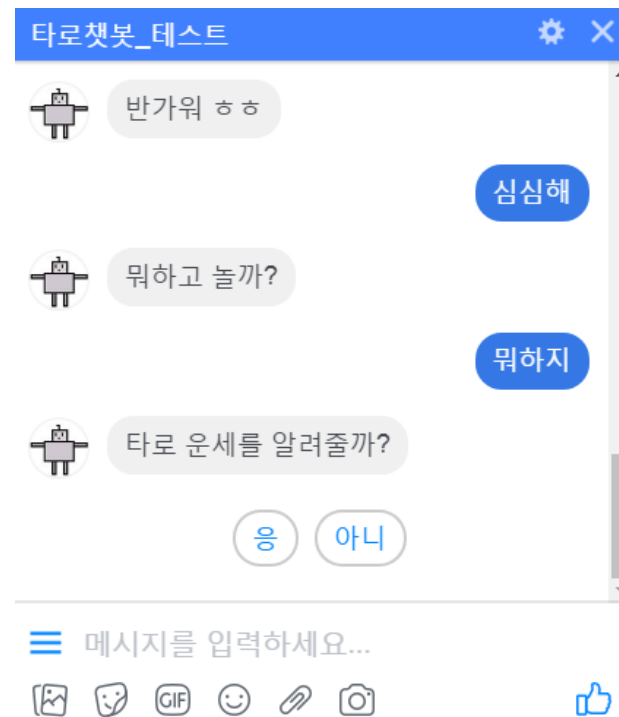
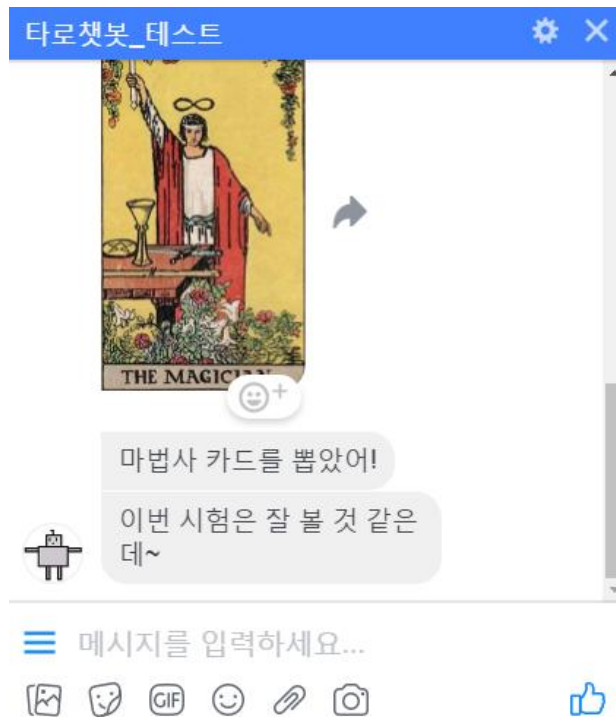
☐ 지금 전화



# 챗봇 테스트



# 챗봇 테스트

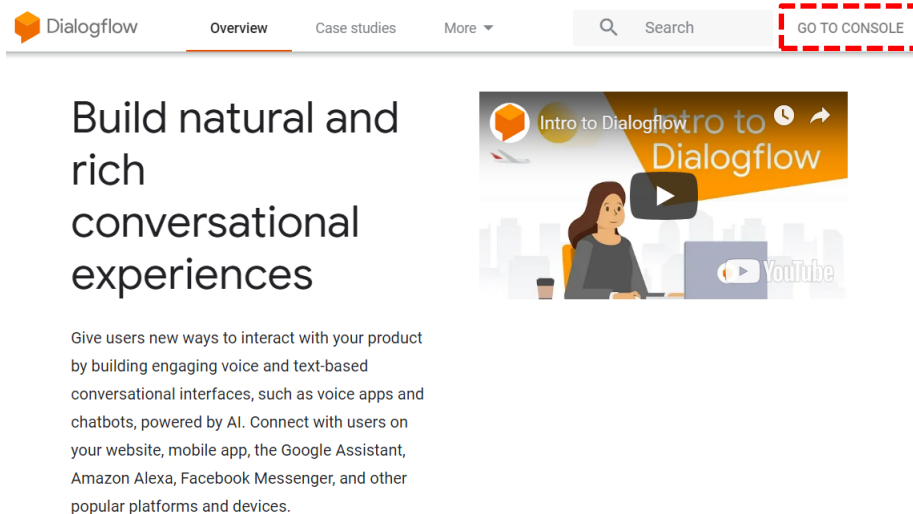




# Dialogflow로 트와이스 챗봇 만들기

# Dialogflow 소개

- 구글의 챗봇 서비스
- 다양한 채널 지원
  - 카카오톡 제외
- 자연어처리
  - 의도 / 개체 분석
- 무료 버전
  - 분당 180번 API 호출 제한



<https://dialogflow.com/>

# 새로운 챗봇 생성



+ Create new agent

≡ View all agents

영문으로 생성 후 나중에 한글로 수정 가능

TwiceChatbot

CREATE

DEFAULT LANGUAGE ⓘ

Korean (South Korea) – ko

Primary language for your agent. Other languages can be added later.

DEFAULT TIME ZONE

(GMT+9:00) Asia/Tokyo


Date and time requests are resolved using this timezone.

GOOGLE PROJECT

Create a new Google project

Enables Cloud functions, Actions on Google and permissions management.

# Intents 메뉴

 Dialogflow

TwiceChatbot

ko

Intents

Entities

Knowledge [beta]

Fulfillment

Integrations

Training

History

Analytics

Prebuilt Agents

Intents

문장의 의도별로 기능 수행

CREATE INTENT

Search intents

Default Fallback Intent


Default Welcome Intent

No regular intents yet. [Create the first one.](#)

Intents are mappings between a user's queries and actions fulfilled by your software. [Read more here.](#)

Before you start, check out [Prebuilt Agents](#), a collection of agents developed by the Dialogflow team.


# Entities 메뉴

 Dialogflow

TwiceChatbot ▾ ⚙

ko +

💬 Intents +

 Entities +

📖 Knowledge [beta]

⚡ Fulfillment

🔄 Integrations

🎓 Training

🕒 History


📊 Analytics

📁 Prebuilt Agents

Entities

문장속에 들어 있는 개체

CREATE ENTITY ⋮

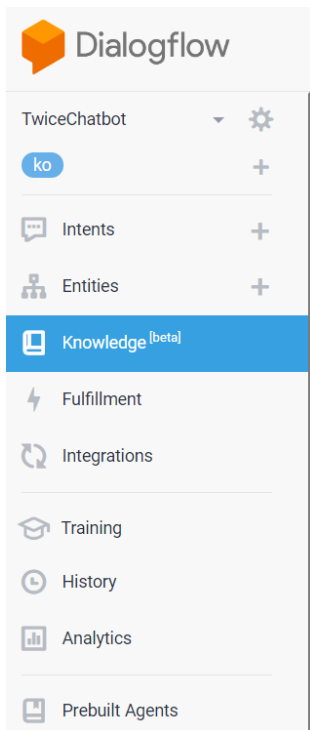


No entities yet. [Create the first one.](#)

Entities are objects your app or device takes action on. [Read more here.](#)

We've already created some entities, so you don't have to describe everything from scratch. [Read about system entities here.](#)

# Knowledge 메뉴




 Knowledge Bases

문서나 웹에서 자동으로 지식베이스 생성



Knowledge Connector is a beta feature, please "Enable beta features and APIs" in agent setting page first.

# Fulfillment 메뉴

 Dialogflow

TwiceChatbot ▾ ⚙️

ko +

Intents +

Entities +

Knowledge [beta]

**⚡ Fulfillment**

Integrations

Training

History

Analytics

Prebuilt Agents

⚡ Fulfillment **웹훅으로 외부 서버와 연동**

Webhook DISABLED ☐

Your web service will receive a POST request from Dialogflow in the form of the response to a user query matched by intents with webhook enabled. Be sure that your web service meets all the [webhook requirements](#) specific to the API version enabled in this agent.


Inline Editor (Powered by Cloud Functions for Firebase) DISABLED ☐

Build and manage fulfillment directly in Dialogflow via Cloud Functions for Firebase. [Docs](#)

index.js package.json

```
1 // See https://github.com/dialogflow/dialogflow-fulfillment-nodejs
2 // for Dialogflow fulfillment library docs, samples, and to report issues
3 'use strict';
4
5 const functions = require('firebase-functions');
6 const {WebhookClient} = require('dialogflow-fulfillment');
7 const {Card, Suggestion} = require('dialogflow-fulfillment');
8
9 process.env.DEBUG = 'dialogflow:debug'; // enables lib debugging statements
10
11 exports.dialogflowFirebaseFulfillment = functions.https.onRequest((request, response) => {
12   const agent = new WebhookClient({ request, response });
13   console.log('Dialogflow Request headers: ' + JSON.stringify(request.headers));
14   console.log('Dialogflow Request body: ' + JSON.stringify(request.body));
15
16   function welcome(agent) {
```

# Integrations 메뉴

 Dialogflow

TwiceChatbot ▾ ⚙️

ko +

Intents +

Entities +

Knowledge [beta]

Fulfillment

**Integrations**

Training


History




Analytics

Prebuilt Agents

↻ Integrations


다양한 채널들과 통합








**Google Assistant**  
Build Actions for the Google Assistant to reach users through Google Home, Android phones, and more devices.

[INTEGRATION SETTINGS](#)

  
Web Demo  
☐

  
Facebook Messenger  
☐

  
Dialogflow Phone Gateway BETA  
☐

  
Slack  
☐



# 전체 의도



Intents

CREATE INTENT



Search intents



Default Fallback Intent



Default Welcome Intent



국적



대표곡



멤버

디폴트 생성

새로 추가

# Default Fallback 의도

☒ Default Fallback Intent

SAVE

Responses ?

일치하는 의도가 없을때 대답

DEFAULT +

Text response



- 1 마지막에 말씀을 잘 못 이해 한것 같아요.
- 2 방금 하신 말씀을 잘 못 알아들었어요.
- 3 죄송해요. 다시 들려 주실래요?
- 4 제가 제대로 이해하고 있는지 잘 모르겠어요.
- 5 제가 제대로 이해하지 못한것 같아요. 죄송해요.
- 6 조금 헛갈리는데요.
- 7 Enter a text response variant

ADD RESPONSES

# Default Welcome 의도

## Training phrases

Search training phrases



” Add user expression

” 오랜만이야

” 안녕

” 저기

## Responses



DEFAULT +

Text response



1

안녕!

2

안녕하세요!

3

Enter a text response variant



# 대표곡 의도

## Training phrases

Search training phrases  

” Add user expression

” 트와이스에서 가장 유명한 노래는?

” 트와이스 유명한 곡이 뭐야

” 트와이스 노래 알려줘

” 트와이스 무슨 노래 유명해?

” 트와이스의 대표곡은?

## Responses



DEFAULT 

Text response





1 트와이스의 대표곡은 TT, 우아하게, CHEER UP 등이 있습니다.

2 Enter a text response variant



# 멤버 의도

## Training phrases

Search training phrases  

” Add user expression

” 트와이스 멤버이름

” 트와이스에 누구누구 있니?

” 트와이스 멤버들 이름 알려줘

” 트와이스에 속한 사람들의 이름은?

## Responses



DEFAULT +

Text response



1 트와이스의 멤버는 나연, 정연, 모모, 사나, 지효, 미나, 다현, 채영, 썬휘입니다.

2 Enter a text response variant



# 챗봇 테스트

트와이스의 대표곡이 뭐야



See how it works in [Google Assistant](#).

Agent

USER SAYS

[COPY](#) [CURL](#)

트와이스의 대표곡이 뭐야



DEFAULT RESPONSE



트와이스의 대표곡은 TT, 우아하게, CHEER UP 등이 있습니다.

INTENT

[대표곡](#)

트와이스 멤버 누구야?



See how it works in [Google Assistant](#).

Agent

USER SAYS

[COPY](#) [CURL](#)

트와이스 멤버 누구야?



DEFAULT RESPONSE




트와이스의 멤버는 나연, 정연, 모모, 사나, 지효, 미나, 다현, 채영, 썬휘입니다.

INTENT

[멤버](#)

# 멤버 이름 개체

 Dialogflow

TwiceChatbot

ko

Intents

**Entities**

Knowledge <sup>[beta]</sup>

Fulfillment

Integrations

member\_name



Define synonyms ?



Allow automated expansion

사나

사나, 큐티섹시

**동의어 설정**

쁘워

쁘워, 썸뽕이

정연

정연, 유또검

[Click here to edit entry](#)

[+ Add a row](#)

# 국적 의도

Training phrases ?

Search training phrases



” Add user expression

” 사나 출신 국가는?

PARAMETER NAME	ENTITY	RESOLVED VALUE	
member_name	@member_name	사나	×

” 사나 어느나라 사람이야?

개체를 자동으로 인식

” 사나의 고향은?

” 사나가 태어난 곳은?

” 사나의 국적은?



# 국적 의도

해당 개체가  
없으면 질문

## Action and parameters

Enter action name

REQUIRED ?	PARAMETER NAME ?	ENTITY ?	VALUE	IS LIST ?	PROMPTS ?
<input checked="" type="checkbox"/>	member_name	@member_name	\$member_name	<input type="checkbox"/>	멤버 이름을 입력하세요 [1...
<input type="checkbox"/>	Enter name	Enter entity	Enter value	<input type="checkbox"/>	-

+ New parameter

## Fulfillment ?

☒ Enable webhook call for this intent

☐ Enable webhook call for slot filling

Responses 없이 웹훅으로 대답 출력

# Fulfillment 변경

## ⚡ Fulfillment

### Webhook 외부 웹훅 서버가 아니라 내장 에디터 사용

DISABLED



Your web service will receive a POST request from Dialogflow in the form of the response to a user query matched by intents with webhook enabled. Be sure that your web service meets all the [webhook requirements](#) specific to the API version enabled in this agent.

### Inline Editor (Powered by Cloud Functions for Firebase)

ENABLED



Build and manage fulfillment directly in Dialogflow via Cloud Functions for Firebase. [Docs](#)

index.js package.json



```
1 // See https://github.com/dialogflow/dialogflow-fulfillment-nodejs
2 // for Dialogflow fulfillment library docs, samples, and to report issues
3 'use strict';
4
5 const functions = require('firebase-functions');
6 const {WebhookClient} = require('dialogflow-fulfillment');
7 const {Card, Suggestion} = require('dialogflow-fulfillment');
8
```

# Fulfillment 변경

```
function nation(agent) {  
  var answer;  
  
  if( parameter.member_name == "사나" )  
  {  
    answer = '사나의 국적은 일본입니다';  
  }  
  else if( parameter.member_name == "쯔위" )  
  {  
    answer = '쯔위의 국적은 대만입니다';  
  }  
  else if( parameter.member_name == "정연" )  
  {  
    answer = '정연의 국적은 한국입니다';  
  }  
  
  agent.add(answer);  
}
```

```
let intentMap = new Map();  
intentMap.set('Default Welcome Intent', welcome);  
intentMap.set('Default Fallback Intent', fallback);  
intentMap.set('국적', nation);  
agent.handleRequest(intentMap);
```

DEPLOY

Firestore 서버에 업로드

# 챗봇 테스트

사나의 국적은?



See how it works in [Google Assistant](#).



Agent

USER SAYS

[COPY](#) [CURL](#)

사나의 국적은?



DEFAULT RESPONSE



사나의 국적은 일본입니다

INTENT

국적

어느 나라 사람?



See how it works in [Google Assistant](#).



Agent

USER SAYS

[COPY](#) [CURL](#)

어느 나라 사람?



DEFAULT RESPONSE



멤버 이름을 입력하세요

CONTEXTS

국적\_dialog\_context

[RESET CONTEXTS](#)

쯔몽이



See how it works in [Google Assistant](#).



Agent

USER SAYS

[COPY](#) [CURL](#)

쯔몽이



DEFAULT RESPONSE






쯔위의 국적은 대만입니다

INTENT

국적

# 웹페이지 연결

 Dialogflow


TwiceChatbot   
 +

Intents +

Entities +


Knowledge <sup>[beta]</sup>



Fulfillment



 Integrations



Training



History



 Integrations

  
Web Demo  



  
Facebook Messenger  




  
Viber  


  
Twitter  


 Web Demo 


Test the agent on its own page. Share the link to the page or embed the ` widget in other websites to get more conversations going. [More in documentation.](#)

<https://bot.dialogflow.com/ccc6e404-acd3-47ed-ab0e-2ce4311ef24e> 

 Seems that your agent info is not filled yet. Set icon and description for better end-user experience. 

Add this agent to your website by copying the code below:

```
<iframe
  allow="microphone;"
  width="350"
  height="430"
  src="https://console.dialogflow.com/api-client/demo/embedded/ccc6e404-acd3-47ed-ab0e-2ce4311ef24e"
e">
</iframe>
```



# 웹페이지 연결

## TwiceChatbot

</> Embed

✉ Email

↶ Share



TwiceChatbot

Dialogflow 에 의해 작동됩니다

안녕!

트와이스 대표곡이 뭐니

트와이스의 대표곡은 TT, 우아하게, CHEER UP 등이 있습니다.

사나는 어느 나라 사람?

사나의 국적은 일본입니다

뭔가를 요청하세요



**감사합니다**