

# Chatbot Backend

## Setting up Dialogflow

- Head over to the Dialogflow website and sign up for a free account.
- Click on the Create Agent button. Give your agent a name (image below shows agent with name 'weather-bot') and fill in the remaining fields, then hit the CREATE button. You will be redirected to the main page of the agent. [Image Below]

weather-bot → CREATE

DEFAULT LANGUAGE ⓘ  
English — en  
Primary language for your agent. Other languages can be added later.

DEFAULT TIME ZONE  
(GMT+1:00) Europe/Madrid  
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.

- Open the file `variables.env` with your favourite text editor.
- Go to Dialogflow and to your agent's settings. Copy `Project ID` and paste it in `variables.env` along `DIALOGFLOW_PROJECT_ID`. At this point, your `variables.env` file would look something like below :

```
//variables.env

DIALOGFLOW_PRIVATE_KEY="-----BEGIN PRIVATE KEY-----\n<__KEY__>\n-----END PRIVATE KEY-----\n"
DIALOGFLOW_CLIENT_EMAIL=foobar@<PROJECT_ID>.iam.gserviceaccount.com
DIALOGFLOW_PROJECT_ID="EXAMPLE-123"
```

- Back in settings, under Google Project, click on the service account name. This will open your Google Cloud Platform service account's page. [Image Below]

Dialogflow

weather-bot

en

Intents

Entities

Knowledge <sup>[beta]</sup>

Fulfillment

Integrations

Training

History

weather-bot

General Languages ML Settings Export and Import Speech Share

DESCRIPTION

Describe your agent

DEFAULT TIME ZONE

(GMT+1:00) Europe/Madrid

Date and time requests are resolved using this timezone.

GOOGLE PROJECT

Project ID	weather-app-1480541571609
Service Account	weather-app-1480541571609.iam.gserviceaccount.com

- You should see a Dialogflow Integration service account in the list of accounts. Click on the three dots menu on the right and select Create Key. Leave the file format as JSON and click Create. This will download a JSON file to your computer.

### Service accounts for project 'Weather App'

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine apps, or systems running outside Google. [Learn more](#)

Filter table

Email	Name ↑	Key ID	Key creation date	Actions
489934461227-compute@developer.gserviceaccount.com	Compute Engine default service account	No keys		
weather-app-1480541571609.iam.gserviceaccount.com	Dialogflow Integrations		20 Aug 2018 20 Aug 2018	<div>Edit Delete Create key</div>

- Open the JSON file with your favorite text editor. You only need two of the values: `private_key` and `client_email`.
- Open the file `variables.env` .
  - Paste the value of `private_key` along `DIALOGFLOW_PRIVATE_KEY` .
  - Paste the value of `client_email` along `DIALOGFLOW_CLIENT_EMAIL` .
  - Maintain "" as in examples.
- Your `variables.env` file should look something like below :


```
//variables.env
```

```
DIALOGFLOW_PRIVATE_KEY="-----BEGIN PRIVATE KEY-----\nexample12345\n-----END PRIVATE KEY-----\n"\nDIALOGFLOW_CLIENT_EMAIL=example@EXAMPLE-123>.iam.gserviceaccount.com\nDIALOGFLOW_PROJECT_ID="EXAMPLE_123"
```

- Save the file

## Enable Small Talk

Dialogflow provides a neat feature that allows any bot to have simple conversations with users without writing any code. To enable this feature, click Small Talk on the sidebar and toggle it on.

 Dialogflow

Entities

Fulfillment

Integrations

Training

History

Analytics


Prebuilt Agents

Small Talk

Docs

Forum

Support

 Small Talk

SAVE

Your agent can learn how to support small talk without any extra development. By default, it will respond with predefined phrases. Use the form below to customize responses to the most popular requests.

User: How are you?

Agent: Wonderful as always. Thanks for asking.

User: You're so sweet.

Agent: Thanks! The feeling is mutual.

☒ Enable

Small Talk Customization Progress

About agent

Courtesy

Emotions

## Setting Up the Server

Run the below code to install dependencies :

```
npm i
```

After the above has completed execution, run

```
npm start
```

This will start the server on `PORT 4000` .