Intelligent Claims System

Installation Guide

Prerequisites

Before proceeding, please check that your system fulfills the following requirements:

Docker
Please ensure that Docker is installed in your system. To install, follow the guide here:
https://www.docker.com/get-started

Docker Compose
Please ensure that Docker Compose is installed in your system. To install, follow the guide here:
https://docs.docker.com/compose/install/

Ngrok
Please ensure that Ngrok is installed in your system. To install, follow the guide here:
https://ngrok.com/download

Network Ports
Please ensure that the following ports on your machine are free:

- 5000
- 5001
- 5003
- 8081
- 9001
- 9999

In the event that you need these ports, you can configure the system to use other ports instead. To change the port number being used, open /docker-compose.yml in the project, and replace all instances of the ports you wish to replace, with a free port.

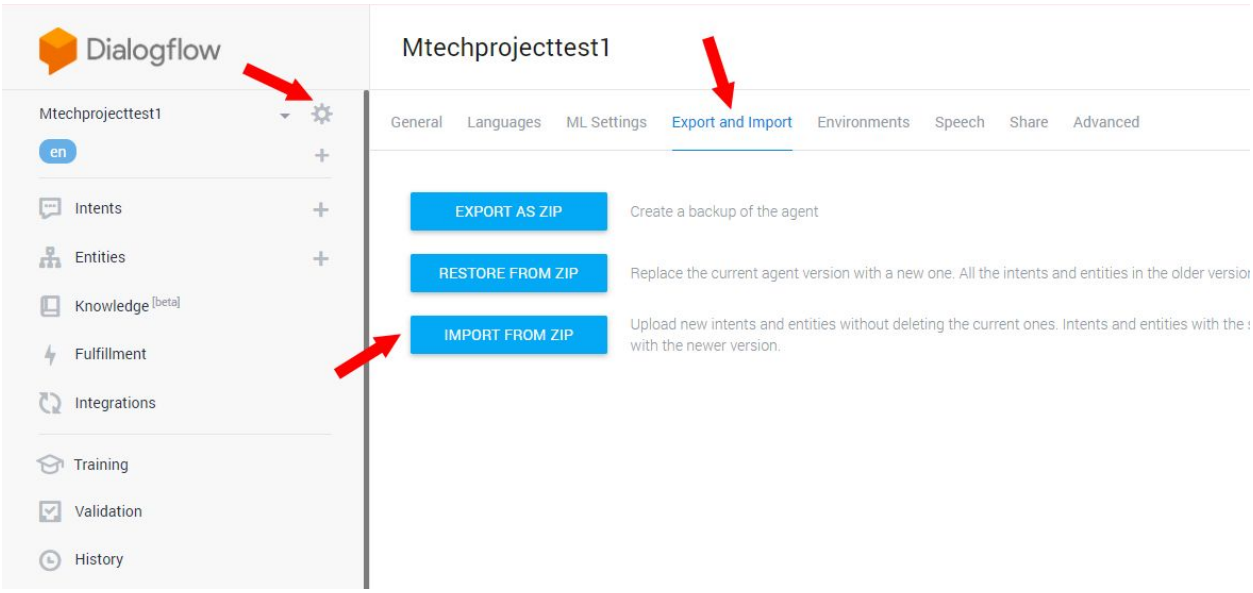
Installation

1. Ensure the above prerequisites have been fulfilled.

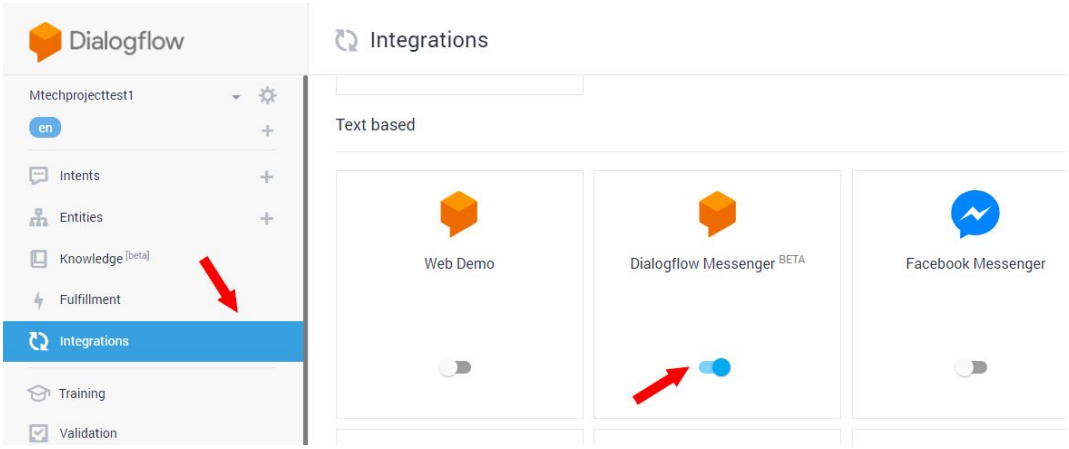
2. Clone the git repository from https://bitbucket.org/francislow82-mtech/claims-management-system/src/master/ to your local file system.

3. Create new Dialogflow agent at http://dialogflow.com

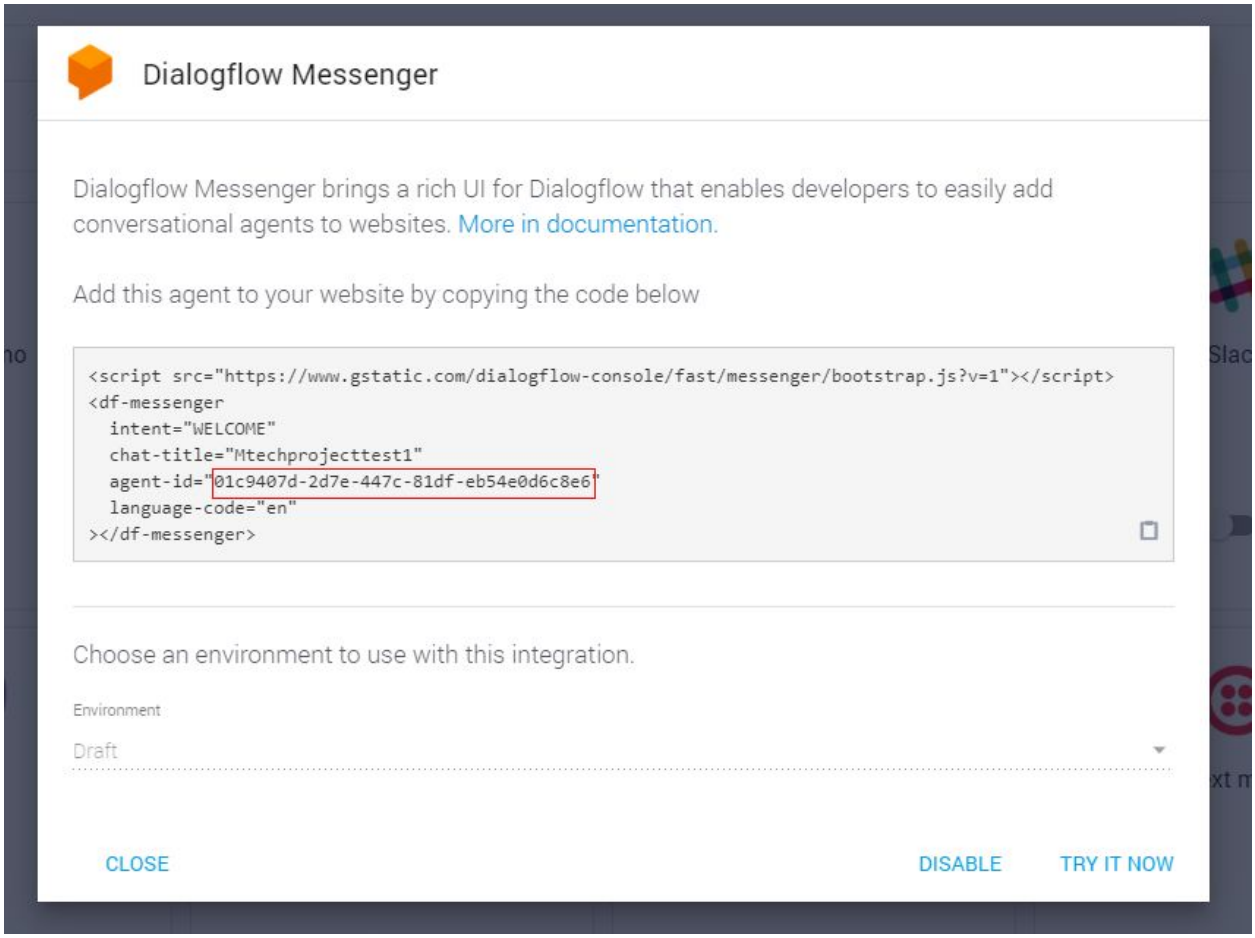
4. Import agent by going to settings > “Export / Import” > “Import from ZIP”. Use the zip file provided at SystemCode/claimBot/ClaimBot.zip.



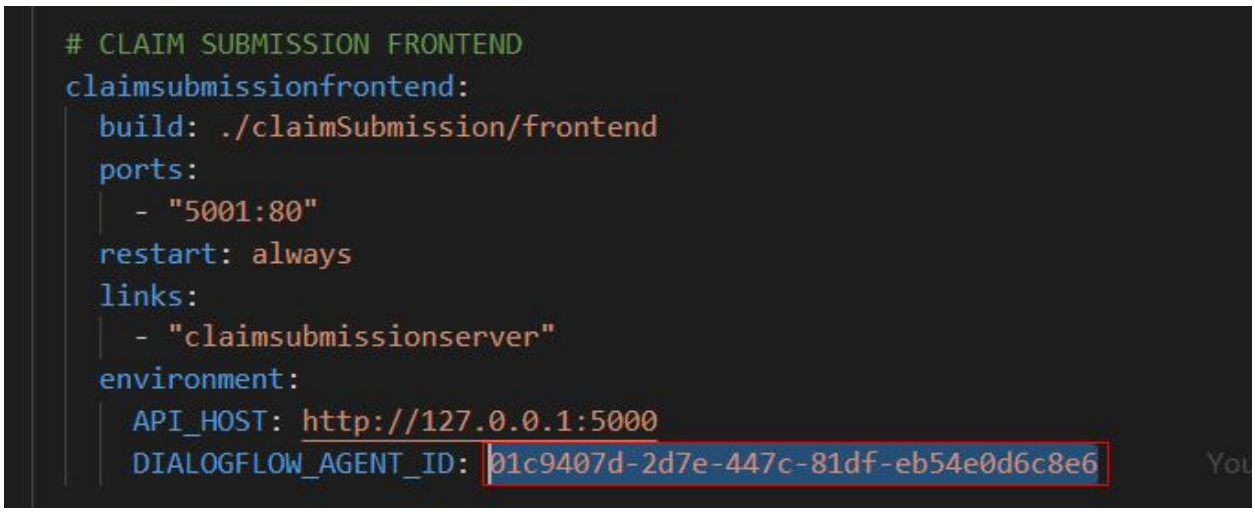
5. Go to Integrations and turn on Dialogflow Messenger



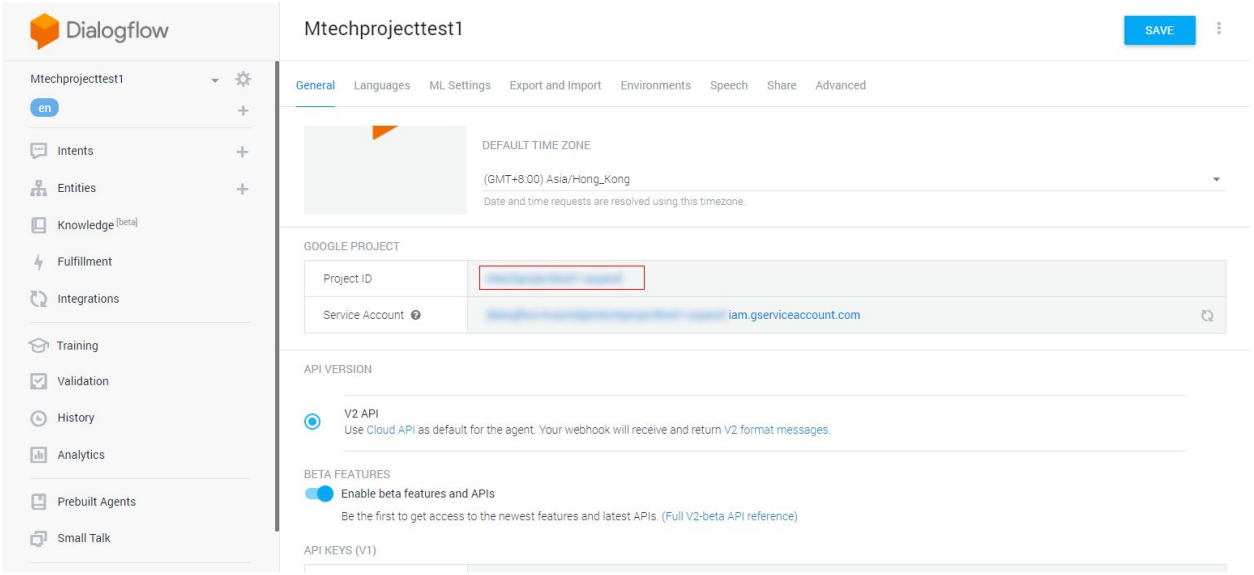
6. A window should popup. Copy the agent-id from the provided script



7. Paste into /SystemCode/docker-compose.yml > claimsubmissionfrontend > DIALOGFLOW_AGENT_ID



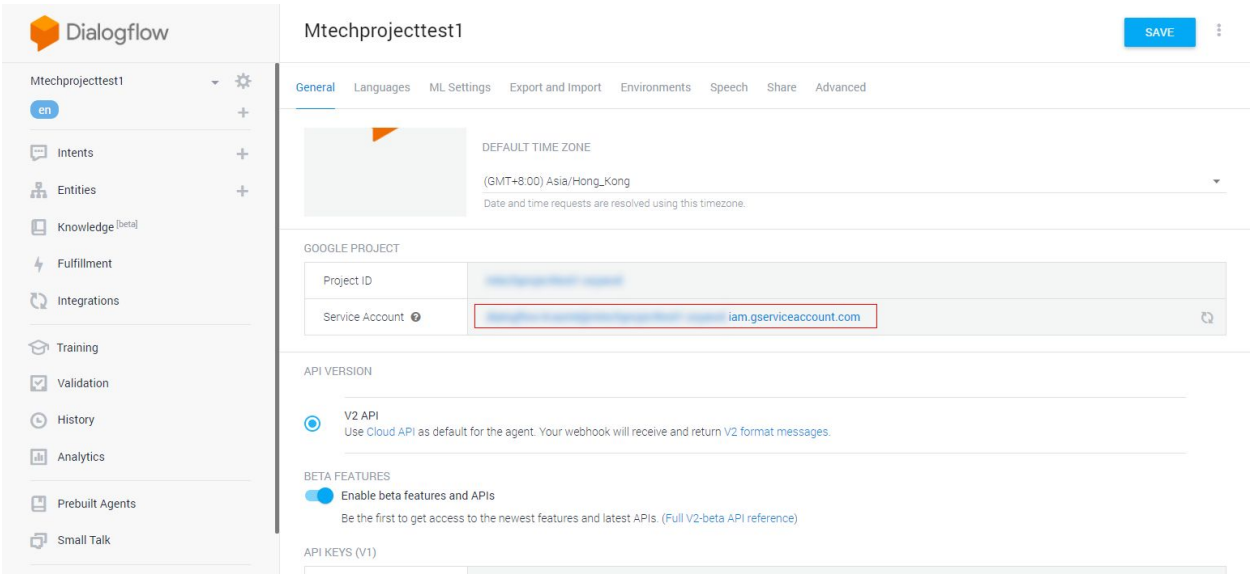
8. Go to settings > General and copy the projectID



9. Replace the original value in /SystemCode/docker-compose.yml: services > claimsubmissionserver > environment > DIALOG_FLOW_PROJECT_ID

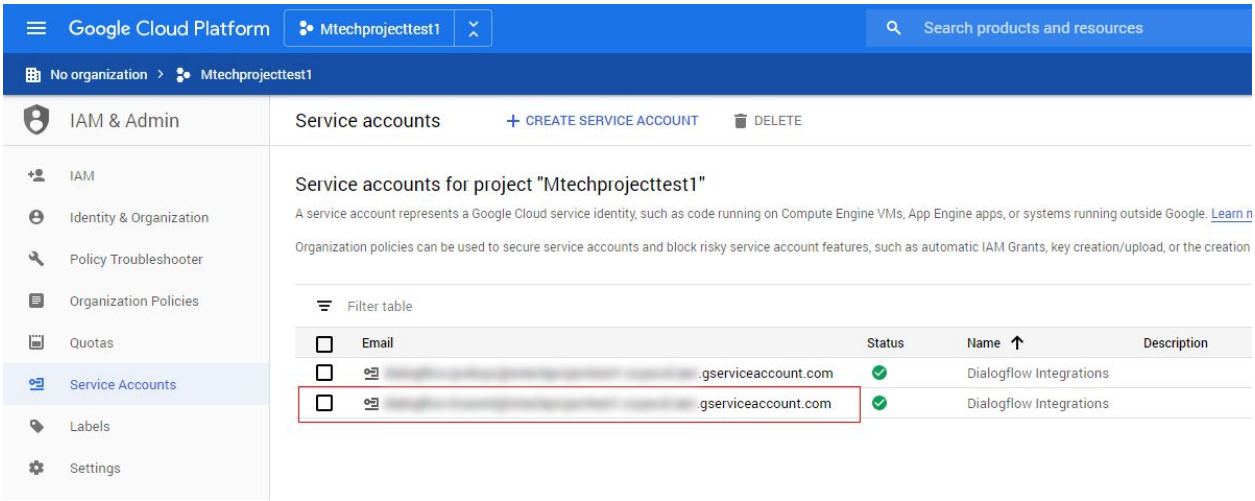
```
45  # CLAIM SUBMISSION SERVER
46  claimsubmissionserver:
47    build: ./claimSubmission/server
48    ports:
49      - "5000:5000"
50    restart: always
51    links:        elisach, 2 days ago • tweak private key json format
52      - "claimrepository"
53    environment:
54      HOST: 0.0.0.0
55      PORT: 5000
56      DIALOG_FLOW_PROJECT_ID: claimbot-vxtlgn
57      GOOGLE_APPLICATION_CREDENTIALS: private_key.json
58      CLAIM_REPOSITORY_HOST: http://claimrepository:8081
59      OCR_FEATURE: 1
60      GOOGLE_API_KEY: AIzaSyBuZXEcDehWONb3Np0axuAj0jg8l9K00pw
61  #     PYTHONUNBUFFERED: 1
62
```

10. On dialogflow.com, click on Service Account

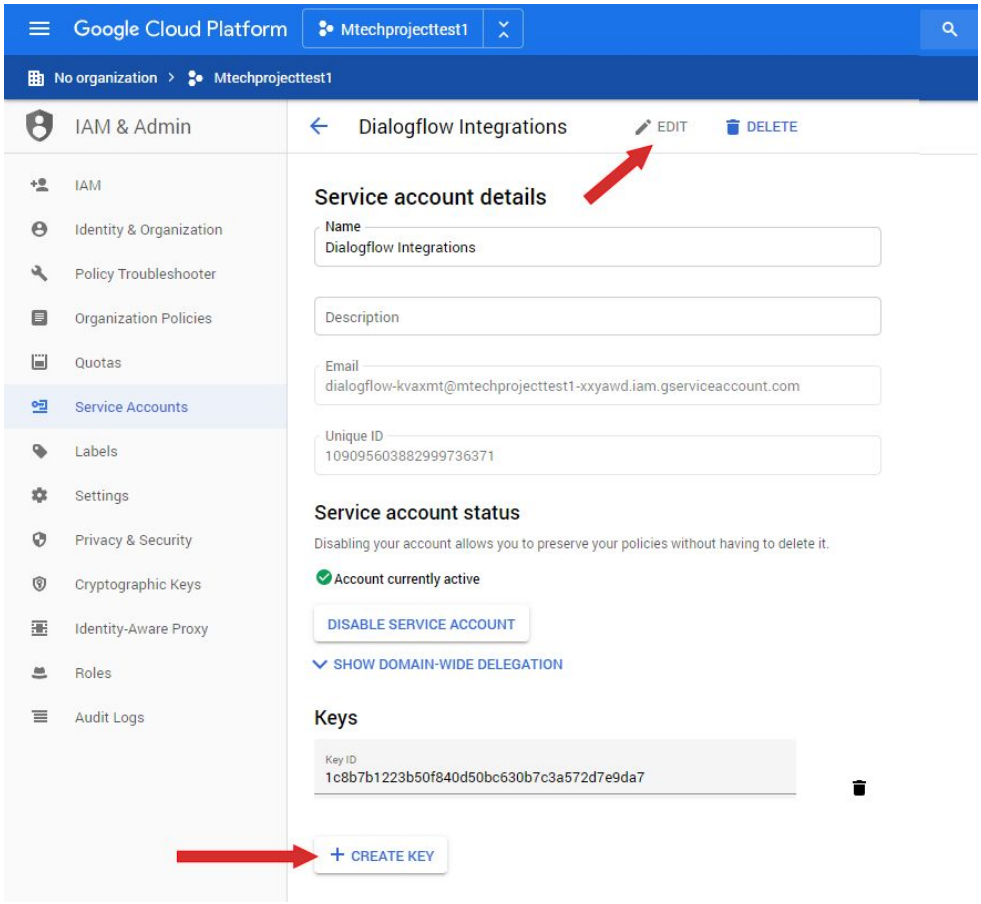


11. If you don’t already have a Google Cloud Platform account, you may be prompted to create one

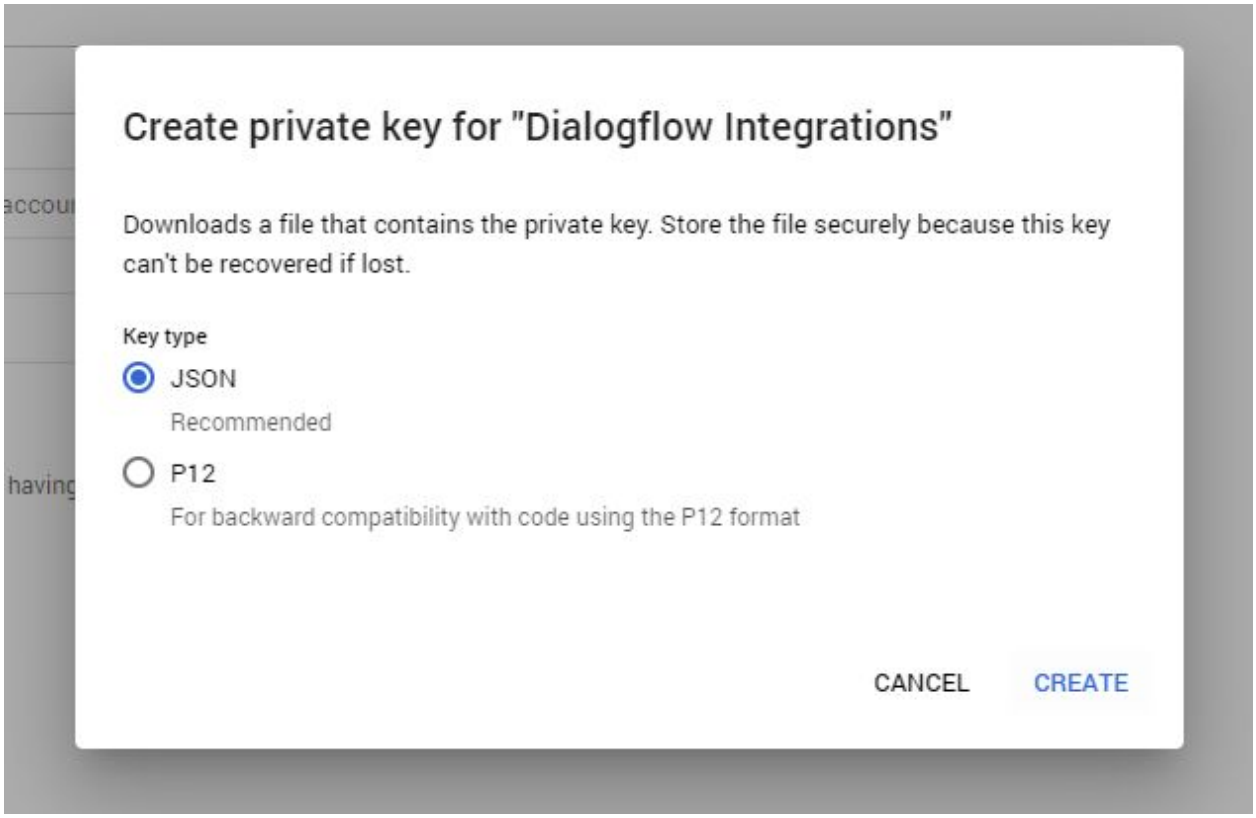
12. After that, it should bring you to the Google Cloud Platform console. Click on the matching account



13. Click on Edit, then create Key

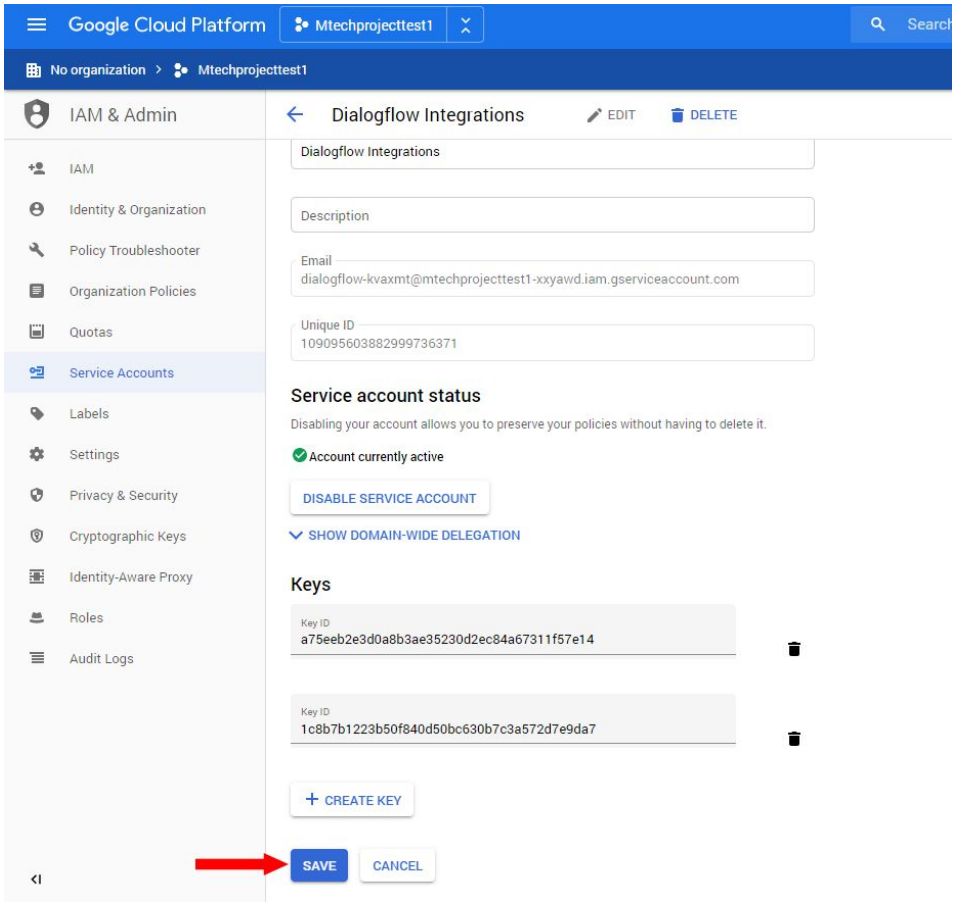


14. Choose JSON and click “Create”



15. A file will be downloaded to your machine

16. Click on “Save”



17. Copy rename that file as “private_key.json” and use that to overwrite the file at /SystemCode/claimSubmission/server/private_key.json

Running

1. Navigate to your ngrok installation directory, and run the command: ngrok http 5000. that the Docker host is set to be localhost / 127.0.0.1. It may differ based on your configuration. If it is not, run this command instead: ngrok http <ENTER YOUR DOCKER HOST>:5000

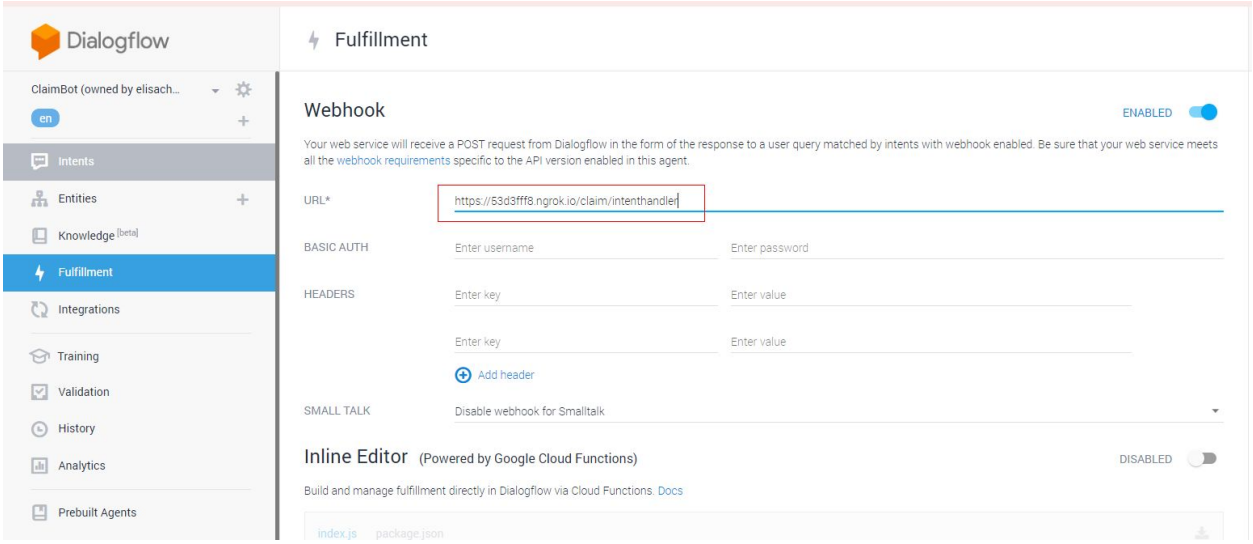
2. Copy the https forwarding url (the one in the red box)

```
Session Status                online
Account                       [redacted]
Update                        update available (version 2.3.35, Ctrl-U to update)
Version                       2.3.23
Region                        United States (us)
Web Interface                 http://127.0.0.1:4040
Forwarding                    http://8d8ccc59.ngrok.io -> http://localhost:5000
Forwarding                    https://8d8ccc59.ngrok.io -> http://localhost:5000

Connections                   ttl     opn     rt1     rt5     p50     p90
                              0       0       0.00    0.00    0.00    0.00
```

3. Login to Dialogflow at: https://dialogflow.com/

4. Navigate to the Fulfillment tab, and update the Webhook URL with the forwarding url from step 2. Note to append /claim/intenthandler at the end of it. For example, if forwarding url “https://12345.ngrok.io”, then enter “https://12345.ngrok.io/claim/intenthandler”

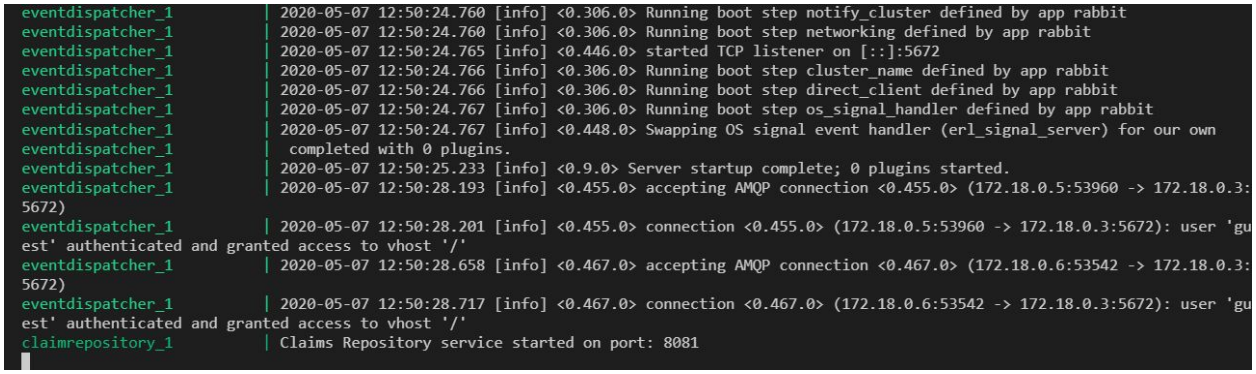


5. Open command prompt (Windows) / terminal (Mac / Linux) and navigate to the /SystemCode of the cloned repository

6. Run the following command: docker-compose -p icms up --build

7. You should see the docker services building / firing up.

8. Wait for it to complete. You should see something like that once all the services are up and running:



9. To visit the dashboard, open this url in a browser: http://127.0.0.1:9001. Note this assumes that the Docker host is 127.0.0.1. It may differ based on your configuration.

10. The dashboard should now load. For details on how to use the dashboard, please read the User Guide.

Stopping

1. On the same command prompt / terminal, press “Ctrl + C“ (Windows) or “Command + C” (Mac)

2. Alternatively, open a separate command prompt / terminal and run the command: docker-compose -p icms down