
Gmail + Zapier + LINE Notifications

Release 0.1.0

Jun 18, 2020

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This is a guide to get LINE notifications sent when you receive certain emails in your Gmail account. It appears that LINE in the past had a service with Zapier which has since been discontinued.

CHAPTER 1

Line + Zapier in the past.

It appears that LINE used to provide a service with Zapier, but his ended some time in the past.

Previous guides I have found are [here](#) and [here](#) for Japanese guide.

CHAPTER 2

Setting up Gmail.

2.1 Setup a filter and label.

Create a filter using the required search conditions and apply a label that you can use with Zapier. This has been documented in many places, so I will not go into details.

For this tutorial I will assume you have a filter that adds the label: ZapierLine

CHAPTER 3

Setting up LINE.

3.1 Outline.

Will will be doing the following steps:

1. Log into LINE Notify Bot
2. Create a group or user Token (Ensure that you copy this as you will see it only once)

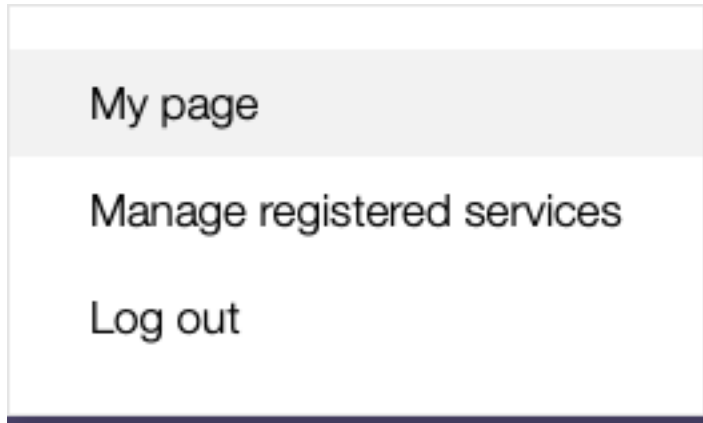
3.2 The Steps:

3.2.1 Step 1:

Log into the site [here](#). This supports English, Japanese and a few other languages.

3.2.2 Step 2:

Click on the 'My page'



3.2.3 Step 3:

Click on 'Generate token'

Generate access token (For developers)

By using personal access tokens, you can configure notifications without having to add a web service.



3.2.4 Step 4:

Provide a name for the token. In this case I have provided 'ZapierDemo'

Generate token



Please enter a token name to be displayed before each notification.

ZapierDemo

Select a chat to send notifications to.



Search by group name



1-on-1 chat with LINE Notify

Step 5: Choose if you want to send notifications only to yourself using '1-on-1 chat with LINE Notify' or choose an existing chat group you have created within the LINE App on your device. In this case I have chosen '1-on-1'

Generate token



Please enter a token name to be displayed before each notification.

ZapierDemo

Select a chat to send notifications to.



Search by group name



1-on-1 chat with LINE Notify



2018 FUTURE



Family Notification Center



九龍

Note: Revealing your personal access token can allow a third party to obtain the names of your connected chats as well as your profile name.

Generate token

Click on 'Generate token'

3.2.5 Step 6:

Copy the generated token as you will only see this once.

Your token is:



If you leave this page, you will not be able to view your newly generated token again. Please copy the token before leaving this page.

Copy

Close

CHAPTER 4

Setting Up Zapier.

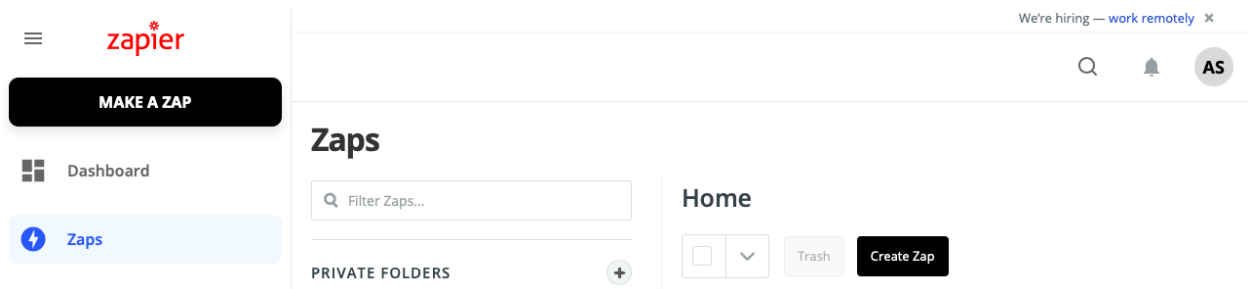
4.1 Outline

This will take you through creating a Zap for sending notifications to your selected chat user or group. I will not provide instructions on creating a [Zapier](#) account. I believe this is fairly simple and straight forward. Linking your google account to Zapier.

4.2 The Steps:

4.2.1 Step 1:

Either Click ‘MAKE A ZAP’ or ‘Create Zap’

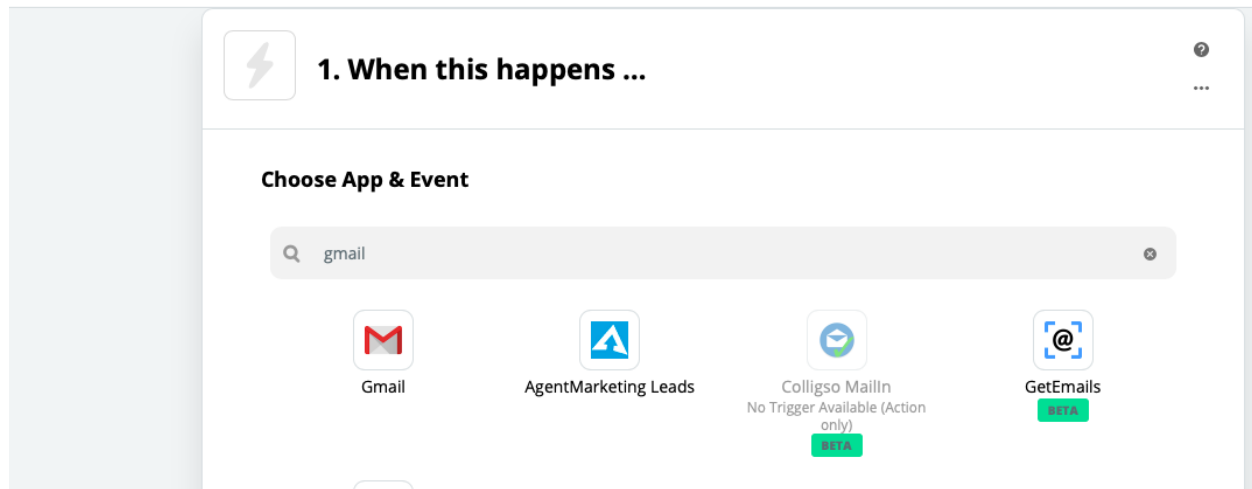


4.2.2 Step 2:

Give your Zap a name. I have used ‘ZapierDemo’ If you don’t see Gmail in the app list, enter it in the search as I have done. Click on ‘Gmail’

new. Share a copy of your Zap with anyone. [Learn More](#).

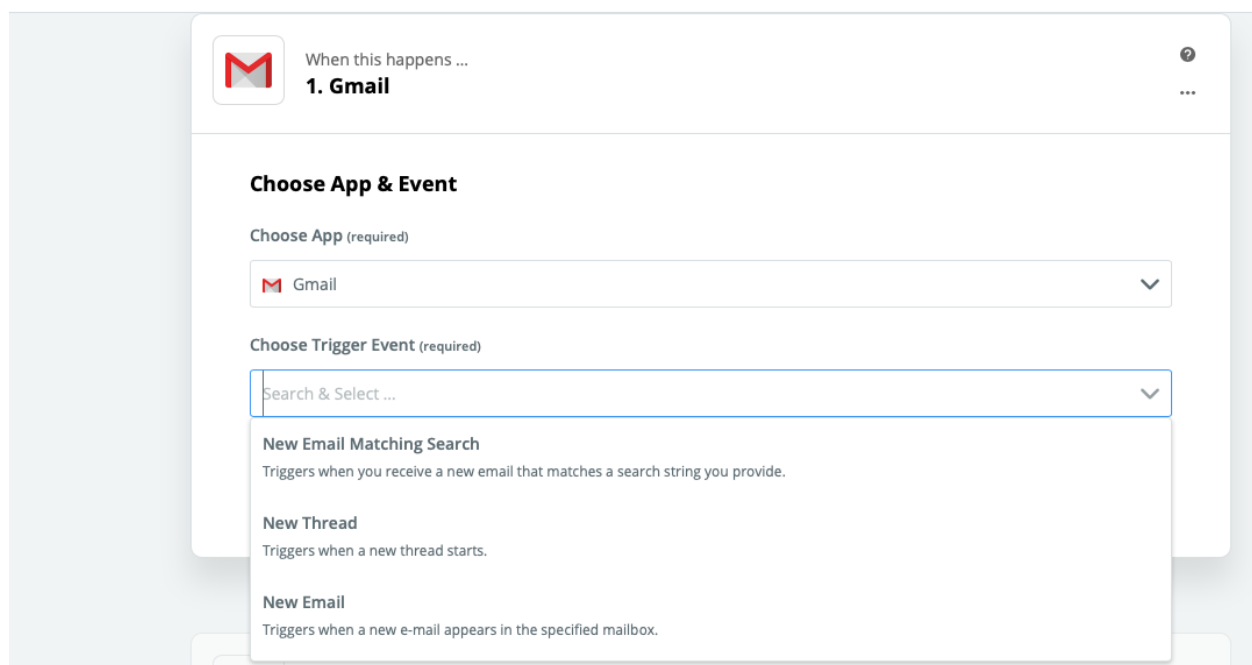
<  / ZapierDemo

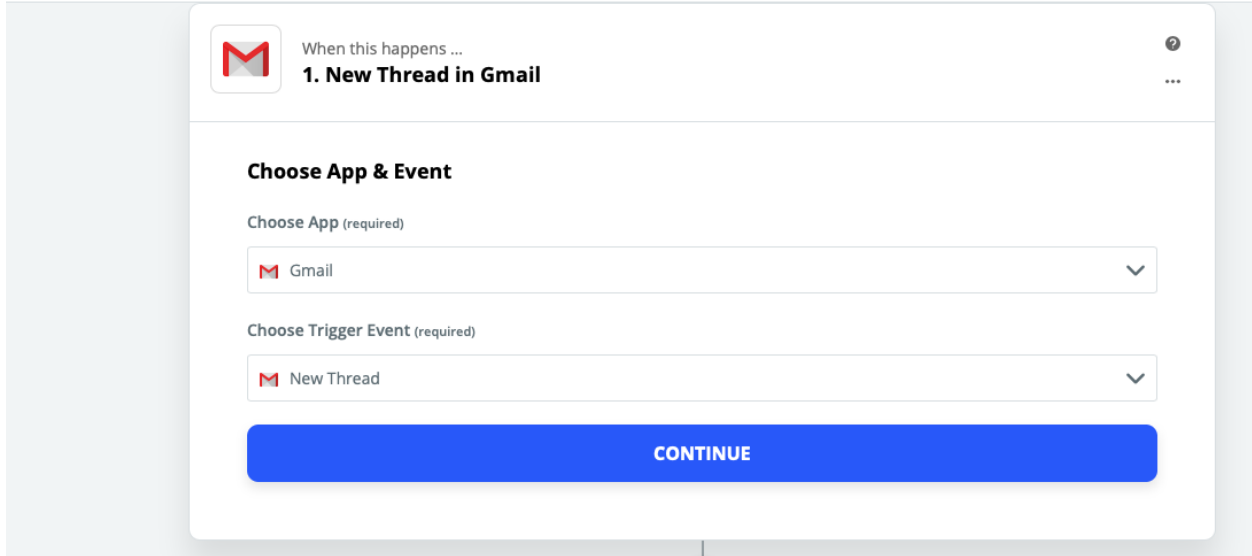


4.2.3 Step 3:

Choose your 'Trigger Event' You should choose 'New Thread'

<  / ZapierDemo



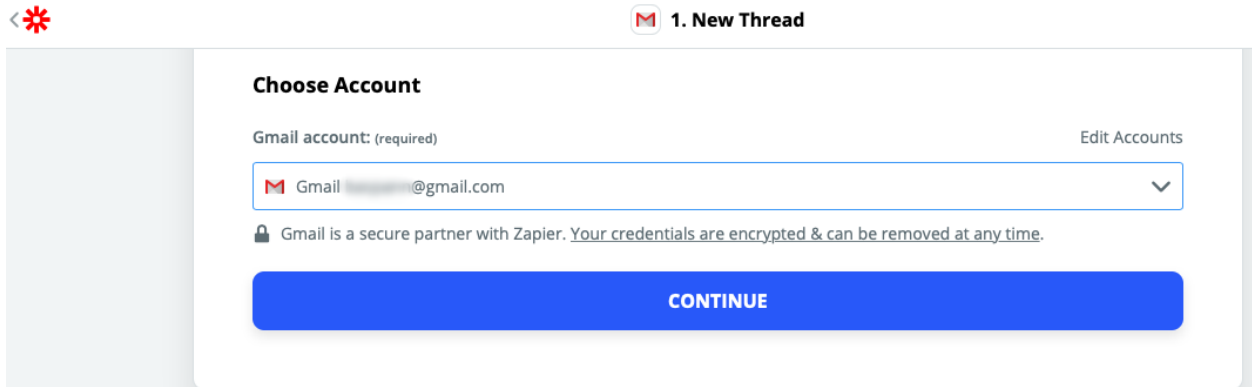
 / ZapierDemo

4.2.4 Step 4:

Click 'Continue'

4.2.5 Step 5:

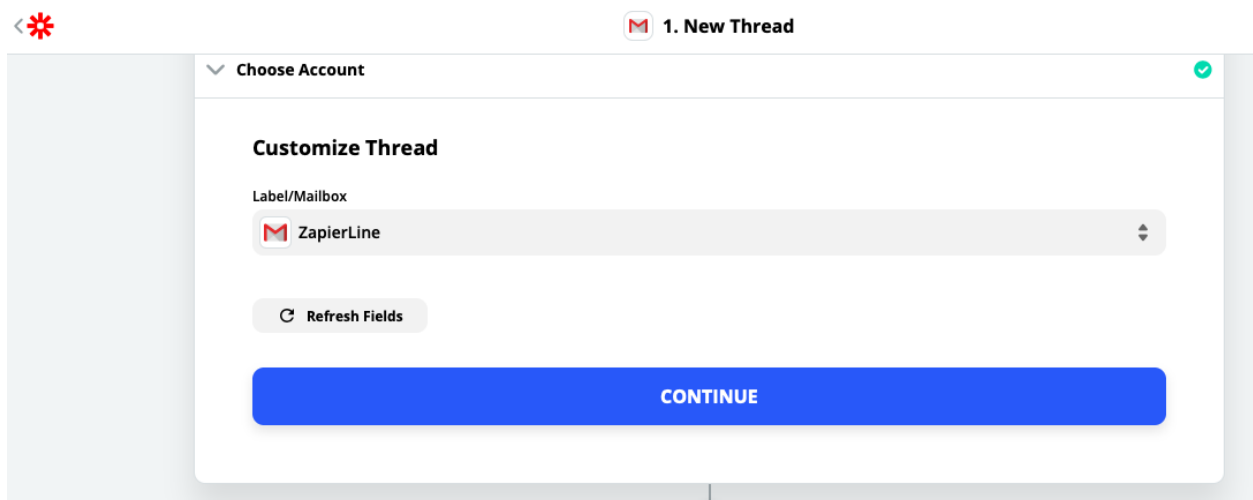
Select your connected Gmail account. This will tell Zapier which gmail account to monitor.



Click 'Continue'

4.2.6 step 6:

Select the correct Gmail Label. In this case we are using 'ZapierLine'



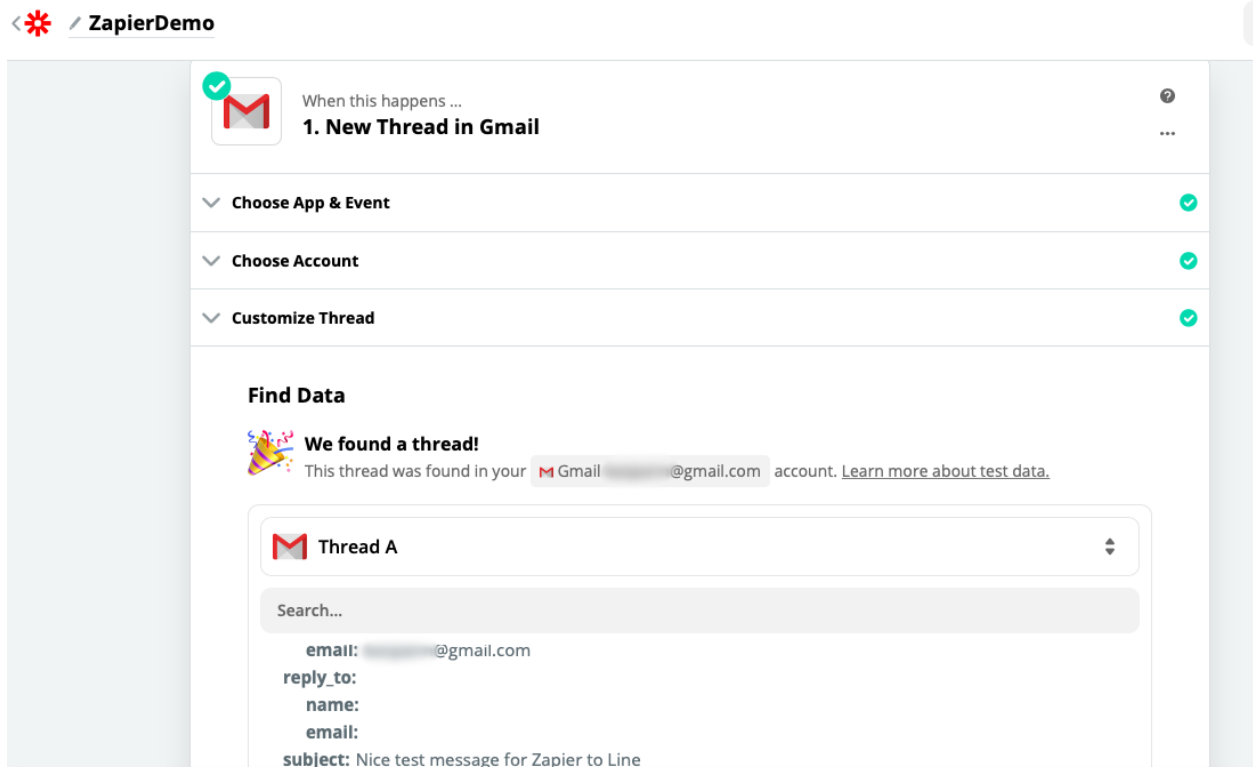
The screenshot shows the '1. New Thread' configuration step in Zapier. It features a 'Choose Account' dropdown menu with 'ZapierLine' selected. Below this is a 'Refresh Fields' button and a large blue 'CONTINUE' button.

Click 'Continue'

4.2.7 Step 7:

Next we need to 'Test your Trigger'. So click this button.

This will now look for any messages that contain the label we have provided. 'ZapierLine'

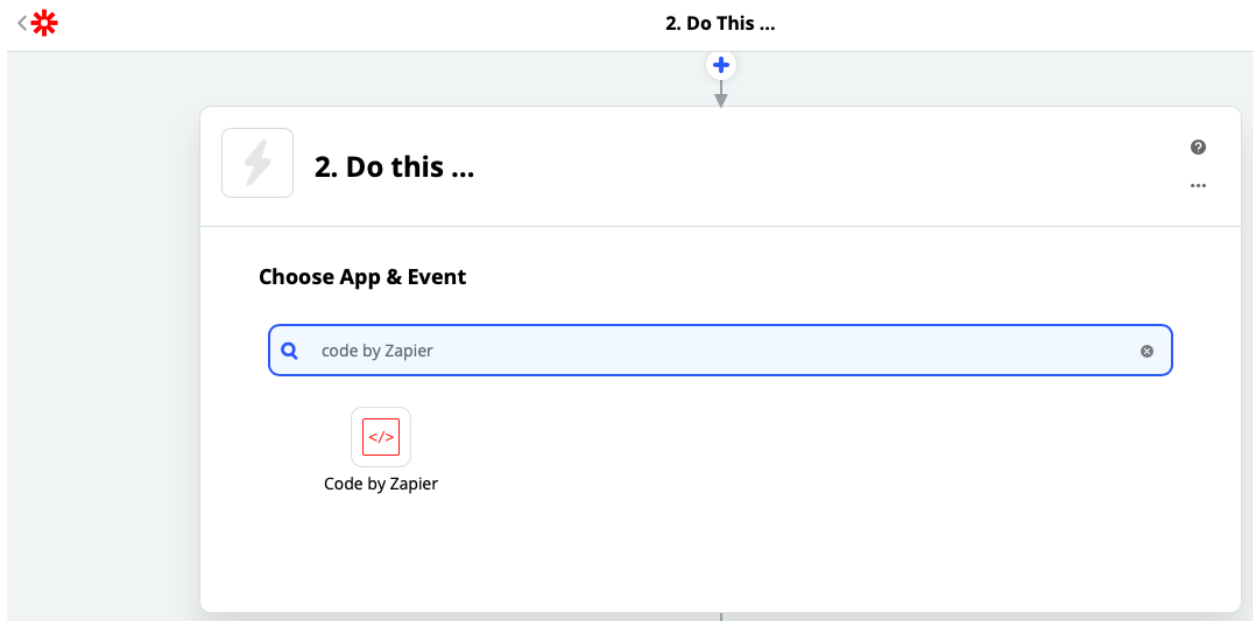


The screenshot shows the 'Find Data' step in Zapier. It displays a test result for the trigger '1. New Thread in Gmail'. The result shows a thread found in a Gmail account, with details like 'email: @gmail.com', 'reply_to:', 'name:', 'email:', and 'subject: Nice test message for Zapier to Line'.

If you are happy with the result. Click 'Continue'

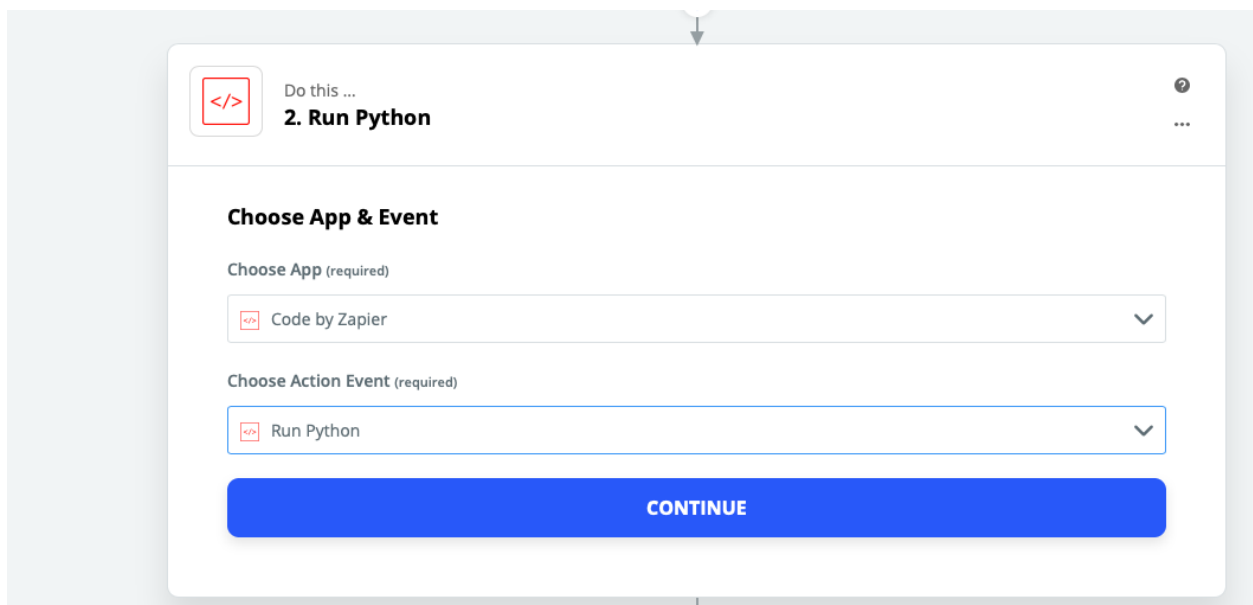
4.2.8 Step 8:

Enter 'Code by Zapier' and click on 'Code by Zapier'



4.2.9 Step 9:

For 'Choose Action Event' select 'Run Python'



Click 'Continue'

4.2.10 Step 10:

At this point we will start selecting what information we want to extract from the email. This is of course optional. If you wish you could simply have a notification sent to your line account letting you know to check your email. However in this case we will collect some data to add to the notification.

I will extract the following details. from, subject and body. These names are provided by me. I will then select from the drop down the actual items I am looking for.

The screenshot shows the Zapier interface for configuring a 'Run Python' step. At the top, there's a header 'Do this ... 2. Run Python'. Below it, a section titled 'Choose App & Event' is visible. The main area is 'Customize Run Python'. Under 'Input Data', the field 'from' is selected. A modal window titled 'Insert Data ...' is open, showing a search bar and a list of data sources: '1. New Thread in Gmail', '1. Message All Attachments', '1. Message Body HTML', and '1. Message Body Plain'. The 'Message Body HTML' option is highlighted. The modal also includes a 'Show All Options' button. In the background, a code editor shows a Python snippet:

```
output = [{'id': 123, 'h
```

. A warning message states: 'Warning! This is an advanced trigger'.

Do this ...
2. Run Python

▼ Choose App & Event

Customize Run Python

Input Data

from	1. Message From Email: [redacted]@gmail.com	X
Subject	1. Message Subject: Nice test messa... Zapier to Line	X
body	1. Message Body Plain: This is a messa...mail to LINE.	X

+

What input data should we provide to your code (as strings) via a dictionary set to a variable named `input_data`?

Code (required)

Next we need to enter our code in the code window.

Sample 1: This code simply takes the plain text body of the email and sends it in the notification.

```

1 import requests
2 API_URI = "https://notify-api.line.me/api/notify"
3
4 text_message = input.get('body')
5 TOKEN = "YOUR_GENERATED_TOKEN_GOES_HERE"
6 HEADER = {"Authorization": "Bearer " + TOKEN}
7 PARAMS = {"message": text_message}
8
9 response = requests.post(API_URI, headers=HEADER, params=PARAMS)
10 response.raise_for_status()
11 return {'rawHtml': response.text}

```

Sample 2: This code sends a different text message depending on the from address of the sender.

```

1 import requests
2 API_URI = "https://notify-api.line.me/api/notify"
3
4 if input.get('from') == 'AddressA':
5     text_message = "This is the message from sender A"
6 if input.get('from') == 'AddressB':
7     text_message = "This is the message from sender B with email body included:\n\n{}".
8     ↪format(input.get('body'))
9
10 TOKEN = "YOUR_TOKEN_GOES_HERE"
11 HEADER = {"Authorization": "Bearer " + TOKEN}
12 PARAMS = {"message": text_message}
13
14 response = requests.post(API_URI, headers=HEADER, params=PARAMS)
15 response.raise_for_status()
16 return {'rawHtml': response.text}

```

Send Data

SKIP TEST



Send Test Run Python to Code by Zapier

To test Code by Zapier, we need to create a new run python. This is what will be created:

Search...

Input Data:

from: [redacted]@gmail.com

Subject: Nice test message for Zapier to Line

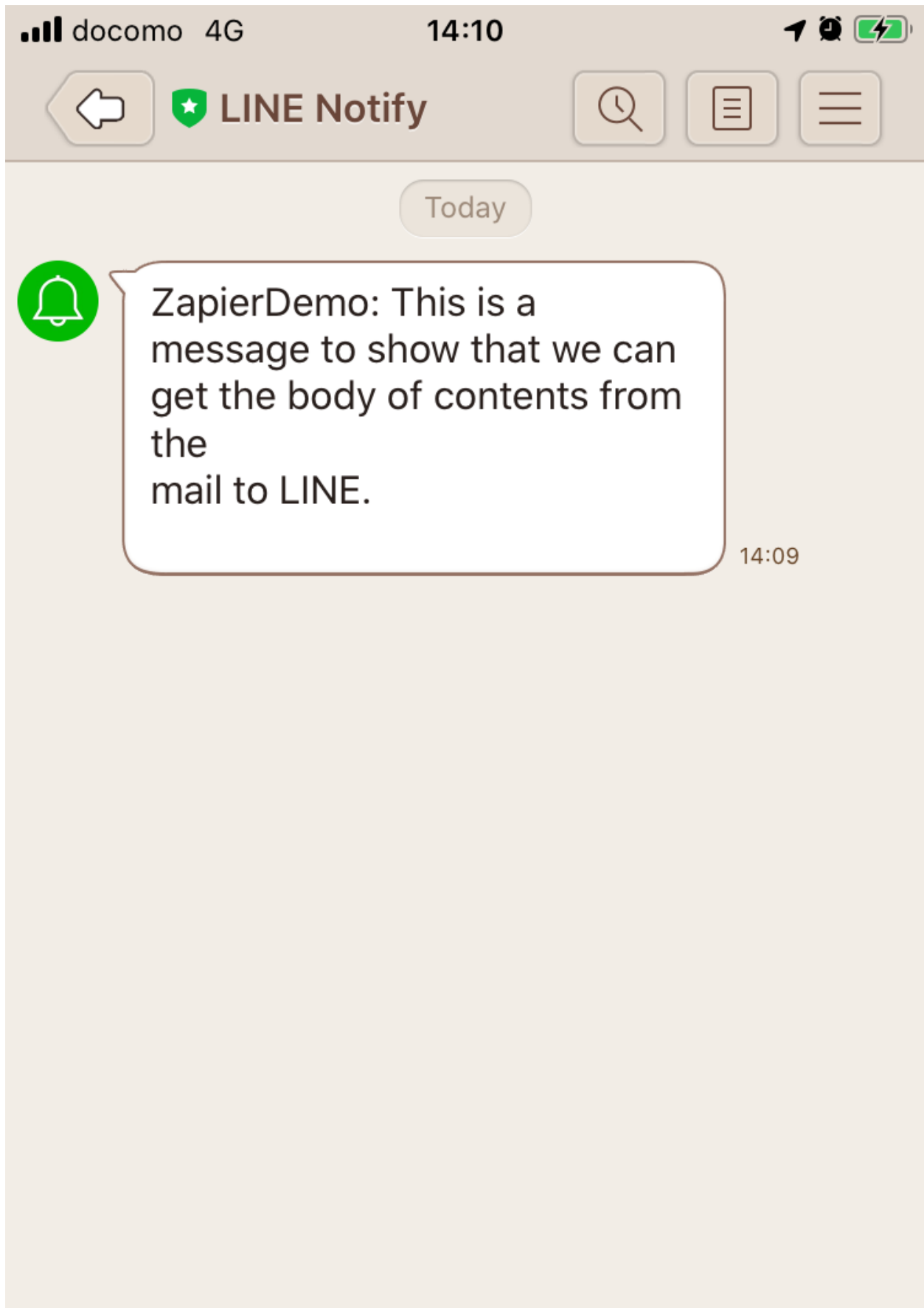
body: This is a message to show that we can get the body of contents from the mail to LINE.

Code: import requests

```
API_URI = "https://notify-api.line.me/api/notify"
text_message = input.get('body')
TOKEN = "[redacted]"
HEADER = {"Authorization": "Bearer " + TOKEN}
PARAMS = {"message": text_message}
response = requests.post(API_URI, headers=HEADER, params=PARAMS)
response.raise_for_status()
return {'rawHtml': response.text}
```

TEST & REVIEW



TEST & CONTINUE



NOTE: If you get an error message that execution took more than 1 second. This can be ignored. Simply Click the 'Skip Test' in the upper right corner.

4.2.11 Step 11:




Activate your ZAP

 → 

Your Zap Is Ready!

Turn it on & try it out!

TURN ZAP ON

 →  → 

Your Zap Is On!

Create a thread in Gmail to try it out.

GO TO MY ZAPS

This Zap will run every 🕒 15 minutes based on your plan.

5.1 Zapier Basic

If you are using the free basic version of Zapier. There is a one second run-time limit. If the code exceeds this limit you will receive a warning notice. In my experience this has not caused any issues with the actual execution of the code.

It appears that Zapier has also extended the time between runs. It used to be 5 minutes. It is now 15 minutes for the free account.