

Create Your LineBot

Dr. Yun-Wei Lin

Outline

1. Network Architecture
2. Create LineBot Account
3. Verify Your LineBot Application (Webhook)

1. Network Architecture

LineBot Application Network Architecture

Normally, the network architecture of the LineBot application is



Webhook certificate requires a SSL connection.

To activate a web server with HTTPS service, several things are required:

1. a server
2. a domain name
3. a SSL certificate

To simplify the process in the class, we use **ngrok** instead of a https web server.



2. Create LineBot Account

Apply a LINE developer account



Connect with {/LINE Developers}

[/ Start Console >](#)

[返回服務](#)

繁體中文

LINE Business ID

以LINE商用ID登入

LINE帳號

商用帳號

[建立帳號](#)

[① 關於商用ID](#)

LINE

電子郵件帳號

密碼

登入

使用其他方式登入

透過行動條碼登入

無法登入？

[忘記電子郵件帳號或密碼？](#)

Console home

Providers

Search...

Admin

Security

Tools

Support

TOP

Providers

Create

Search...



Provider

Role

Security

Admin

LINE Developers

developers.line.biz/console/?status=success

LINE Developers

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TOP

Providers (1)

Search...

Provider

Security

Role

Admin

Create a new provider

Provider name ⓘ

CLASS_demo

✓ Don't leave this empty

✓ Don't use special characters (4-byte Unicode)

✓ Enter no more than 100 characters

A provider is an individual developer, company, or organization that provides services. For more details, see the [documentation](#).

Cancel

Create

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Terms and policies

About trademarks

Bug report form

Family Sites

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Admin

CLASS_demo

Security

Tools

Support

TOP > CLASS_demo

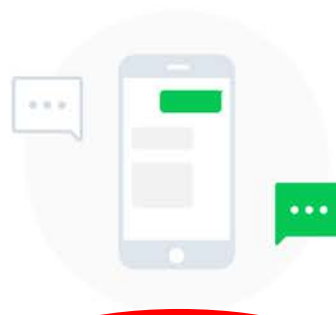
Channels Roles Settings

This provider doesn't have any channels yet

To create one, choose a channel type below



Create a LINE Login channel



Create a Messaging API channel



Create a Blockchain Service channel

Console home

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Support

TOP > Create a new channel

Create a Messaging API channel

It's no longer possible to create Messaging API channels directly from the LINE Developers Console.

To create a Messaging API channel, create a LINE Official Account using the Create a LINE Official Account button below, and then enable the use of the Messaging API on the LINE Official Account Manager.

For more information, see [Get started with the Messaging API](#) in the Messaging API documentation.

Create a LINE Official Account

(Go to the external site)



建立LINE官方帳號

● 必填

登入資訊

用戶名稱

登出

服務適用國家 / 地區

台灣 已選用台灣方案

帳號資訊

帳號名稱 ●

例如：Brown咖啡館

0/20

此名稱將顯示於LINE的好友名單及聊天畫面中。

電子郵件帳號 ●

0/240

公司所在國家或地區 ● ②

台灣

1

登錄公司／店鋪資訊

2

確認輸入內容

3

申請完成

確認輸入內容

帳號資訊

帳號名稱

Class

電子郵件帳號

com

公司所在國家或地區

台灣

公司名稱

業種

學校・研究所、大學

取消

完成

秉性

字儀・研九用、八子

基本ID

@334hsguv

擁有認證官方帳號使用更方便

使用企業或店鋪等公司・自營業的帳號時，完成帳號認證即可更輕鬆使用服務。

申請方式非常簡單！

推薦您使用認證官方帳號來從事公司或店家業務

賦予認證圖示



會顯示於LINE應用程式的搜尋結果中



可使用海報和輔銷物功能



申請認證帳號

稍後進行認證（前往管理畫面）

LINE Developers

LINE Official Account Manager

manager.line.biz/account/@948ejayh/

LINE Official Account Manager

Class_demo @948ejayh

Jyneda Help

主頁 分析 聊天 基本檔案 LINE VOOM 擴充功能 開店幫手 分眾 +

設定

群發訊息

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建立新訊息

廣告活動

漸進式訊息

自動回應訊息

訊息項目

圖文訊息

進階影片訊息

多頁訊息

推廣相關

聊天室相關

加入好友的歡迎訊息

圖文選單

收合選單

Class_demo @948ejayh

1 聊天: 關閉

編輯

訊息

來建立傳送給好友的

建立新訊息

基本設定列表

1/2 初始設定

建立官方帳號後，建議於此完成設定再開始增加好友。

選擇聊天功能的回應方式

設定基本檔案圖片

前往主頁

增加好友人數

最新資訊

顯示更多

[規格變更] 有關加好友廣告的數據參考期間

2025/10/01 18:45

[已修復] 官方帳號聊天功能異常 (10/1更新)

2025/09/30 16:48

[規格變更] 基本檔案改版為「商業簡介」與其部分功能調整

2025/09/26 12:00

卡位搶攻 618 商機

手把手傳授你開店幫手攻略

首先來增加好友人數吧 (2/2)

當官方帳號準備就緒後，接著最重要的即是吸引更多用戶加入好友。

好友人數越多，群發訊息的效果也越高。快透過各種方法宣傳您的帳號吧。

LINE Developers

LINE Official Account Manage

manager.line.biz/account/@905dzmca

LINE Official Account Manager

Class @905dzmca

輕用量

1

聊天：關閉

Jyneda

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加入好友的歡迎訊息

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收合選單

Class

1 @905dzmca

編輯

訊息

來建立傳送給好友的群發訊息吧。

建立新訊息

內容

來建立圖文訊息及優惠券吧。

建立內容

基本設定列表

1/2 初始設定

建立官方帳號後，建議於此完成設定再開始增加好友。

選擇聊天功能的回應方式

設定基本檔案圖片

最新資訊

顯示更多

[規格變更] 有關加好友廣告的數據參考期間

2025/10/01 18:45

[已修復] 官方帳號聊天功能異常 (10/1更新)

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2025/09/26 12:00

卡位搶攻 618 商機

手把手傳授你開店幫手攻略

manager.line.biz/account/@905dzmca/setting

LINE Developers

LINE Official Account Manage

manager.line.biz/account/@905dzmca/setting/messaging-api

LINE Official Account Manager

Class @905dzmca 輕用量 1 聊天: 關閉

Jyneda Help

主頁 分析 聊天 基本檔案 LINE VOOM 擴充功能 開店幫手 分眾 +

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Messaging API

Messaging API為針對開發者所設計的進階功能。您可透過API收發訊息及動作，與LINE用戶進行更多互動。

[什麼是Messaging API?](#)

[LINE Developers的API相關文件](#)

狀態	未使用
----	-----

啟用Messaging API

收合選單

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LINE Developers x LINE Official Account Manager x +

manager.line.biz/account/@905dmca/setting/messaging-api

LINE Official Account Manager Class @905dmca 總用權 1 聊天: 關閉 Jyneda Help

主頁 分析 聊天 基本檔案 LINE VOOM 擴充功能

設定

- 帳號設定
- 權限管理
- 回應設定
- Messaging API
- 登錄資訊
- 帳務專區
- 總覽頁面
- 推廣方案
- 聊天方案
- 專屬ID
- 付款記錄
- 付款方式
- 電子發票資訊

Messaging API

Messaging API為針對LINE Developers的API

什麼是Messaging API

選擇服務提供者

請選擇管理此帳號的服務提供者 (企業或個人)。

提供者指的是取得用戶個人資訊以提供服務的開發人員、企業或組織等。
由LINE Developers可查看更多詳情。

☐ 建立服務提供者

輸入服務提供者名稱 0/100

☐ Security

☒ CLASS_demo

請先參閱並同意「LINE官方帳號API服務條款」的內容後，再點選下方的「同意」。

取消 同意

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LINE Developers

LINE Official Account Manage

manager.line.biz/account/@948ejayh/setting/messaging-api

LINE Official Account Manager

Class_demo @948ejayh 1 聊天: 關閉

Jyneda Help

主頁 分析 聊天 基本檔案 LINE VOOM 擴充功能 開店幫手 分眾 +

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優惠活動管理

Messaging

Messaging API為針對LINE Developers的API

什麼是Messaging API

隱私權政策及服務條款

請登錄服務提供者的隱私權政策及服務條款，此登錄內容仍可變更。

隱私權政策 0/500

https://

(選填)

服務條款 0/500

https://

(選填)

取消 確定

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LINE Developers

LINE Official Account Manage

manager.line.biz/account/@948ejayh/setting/messaging-api

LINE Official Account Manager

Class_demo @948ejayh 1 聊天: 關閉

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主頁 分析 聊天 基本檔案 LINE VOOM 擴充功能 開店幫手 分眾

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聊天方案

專屬ID

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付款方式

電子發票資訊

匯率活動管理

收合選單

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Messaging API

Messaging API為針對
什麼是Messaging AP
LINE Developers的AF

啟用Messaging API

請注意，一旦與提供者連動即無法變更或解除。

確定要以下方資訊啟用Messaging API嗎？

帳號名稱

Class_demo

服務提供者名稱

CLASS_demo

取消 確定

LINE Developers

LINE Official Account Manage

LINE Developers

manager.line.biz/account/@948ejayh/setting/messaging-api

LINE Official Account Manager

Class_demo

@948ejayh

輕用量

1

聊天：關閉

Jyneda

Help

主頁

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擴充功能

開店幫手

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Messaging API

Messaging API為針對開發者所設計的進階功能。您可透過API收發訊息及動作，與LINE用戶進行更多互動。

[什麼是Messaging API？](#)

[LINE Developers的API相關文件](#)

狀態	使用中
Channel資訊	<div>Channel ID2008249479複製</div> <div>Channel secret16c65591a890eb41d994efd5e801719d複製</div>
Webhook網址	<div>https://儲存</div> <p>請輸入以「https://」開頭的正確網址。</p>

您可[在LINE Developers Console](#)進行其他設定。

Console home

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TOP

Recently visited channels

New Admin



Class_demo

 Messaging API

Providers (2)

Create

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Providers

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Admin

CLASS_demo

Security

Tools

Support

TOP > CLASS_demo

CLASS_demo

Channels Roles Settings

☒ Group by role

Sort by date ▾



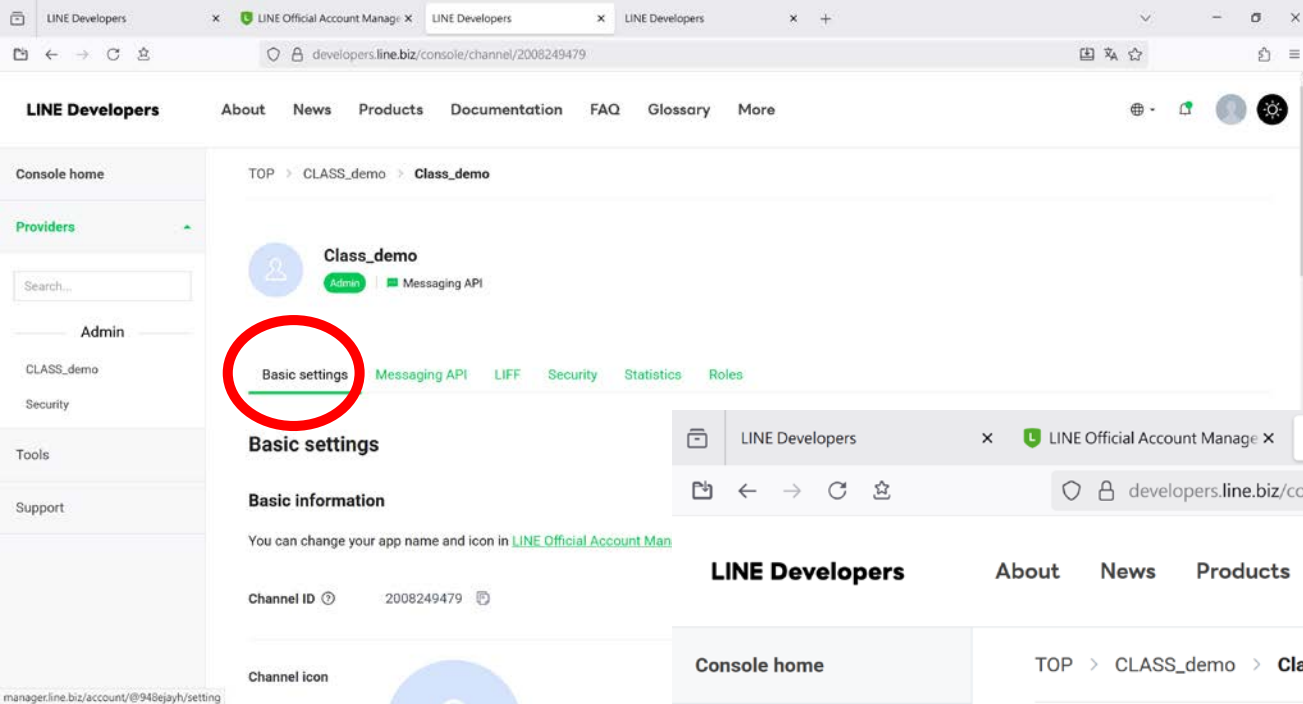
Create a new channel

New Admin

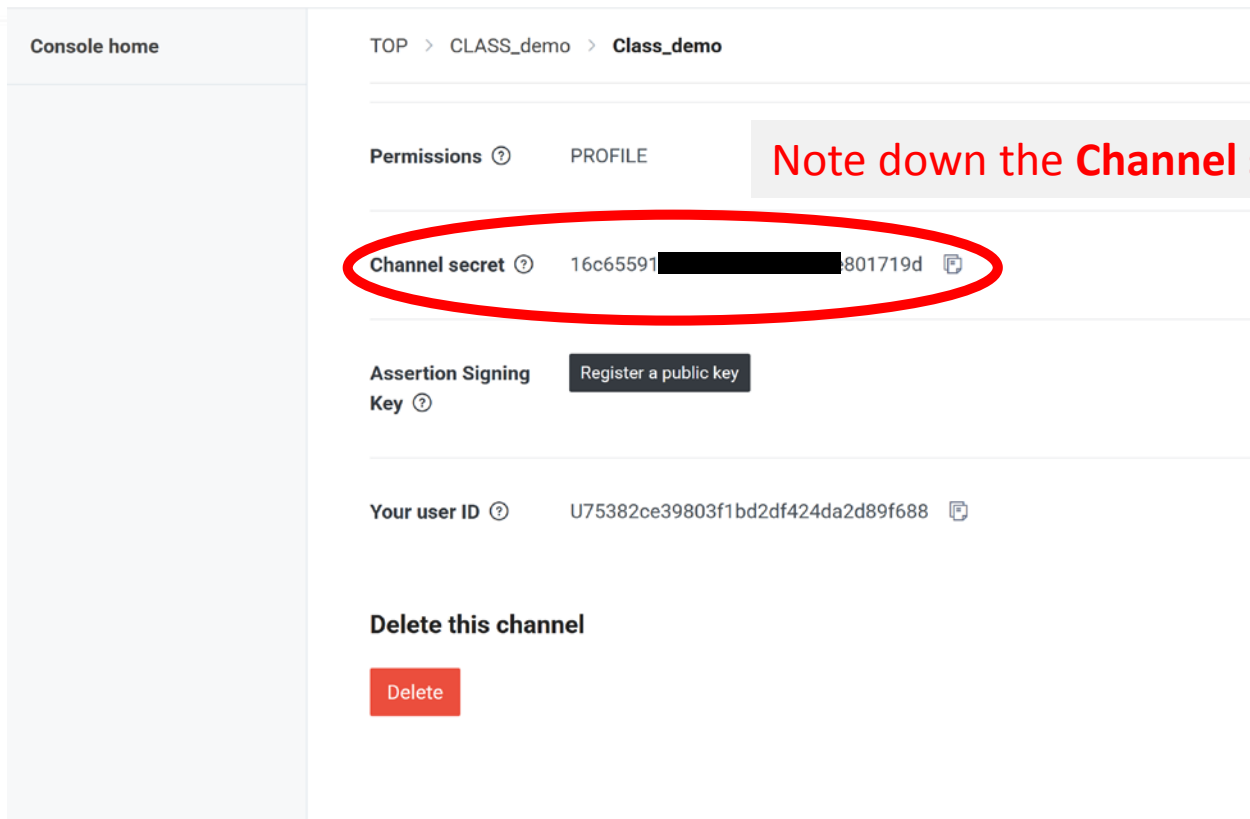
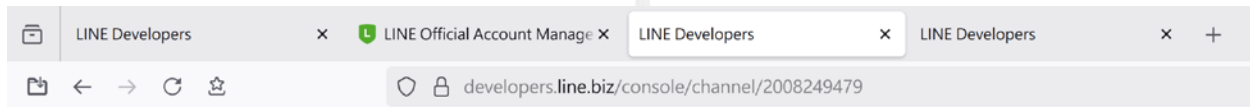


Class_demo

Messaging API



manager.line.biz/account/@948ejayh/setting



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Class_demo

Admin

Messaging API

Basic settings

Messaging API

LIFF

Security

Statistics

Roles

Messaging API settings

Bot information

Bot basic ID

@948ejayh

QR code



The LineBot QR code

Console home

TOP > CLASS_demo > Class_demo > **Messaging API**

Edit the message text and other settings for these features in the LINE Official Account Manager.

Allow bot to join group chats ? Disabled

Edit

Auto-reply messages ? Enabled

Edit

Greeting messages ? Enabled

Edit

Channel access token

Channel access token (long-lived) ?

Issue

Edit the message text and other settings for these features in the LINE Official Account Manager.

Allow bot to join group chats ? Disabled

Edit

Auto-reply messages ? Enabled

Edit

Greeting messages ? Enabled

Edit

Note down the Channel access token

Channel access token

Channel access token (long-lived) ?

NWek7bSKf3vuivysrP6C5hfOf [REDACTED] BAWzGIMqXiiJ0LVgJYH8rpemY2fkbMl2Q+U6 [REDACTED] oTxjjBHOCXVIXtY0h8HAFY6Ea9TgLoFL [REDACTED] JboJYm3QdB04t89/1O/w1cDnyilFU=

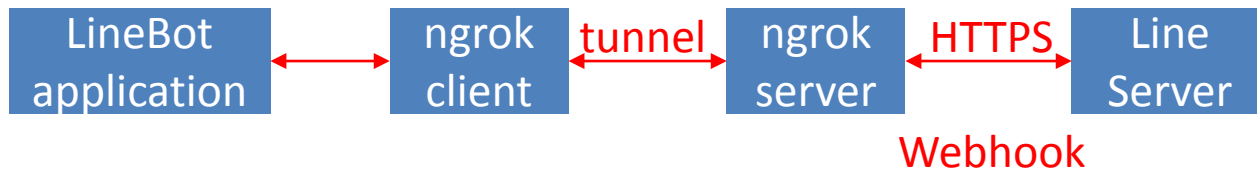
Reissue

3. Verify Your LineBot Application

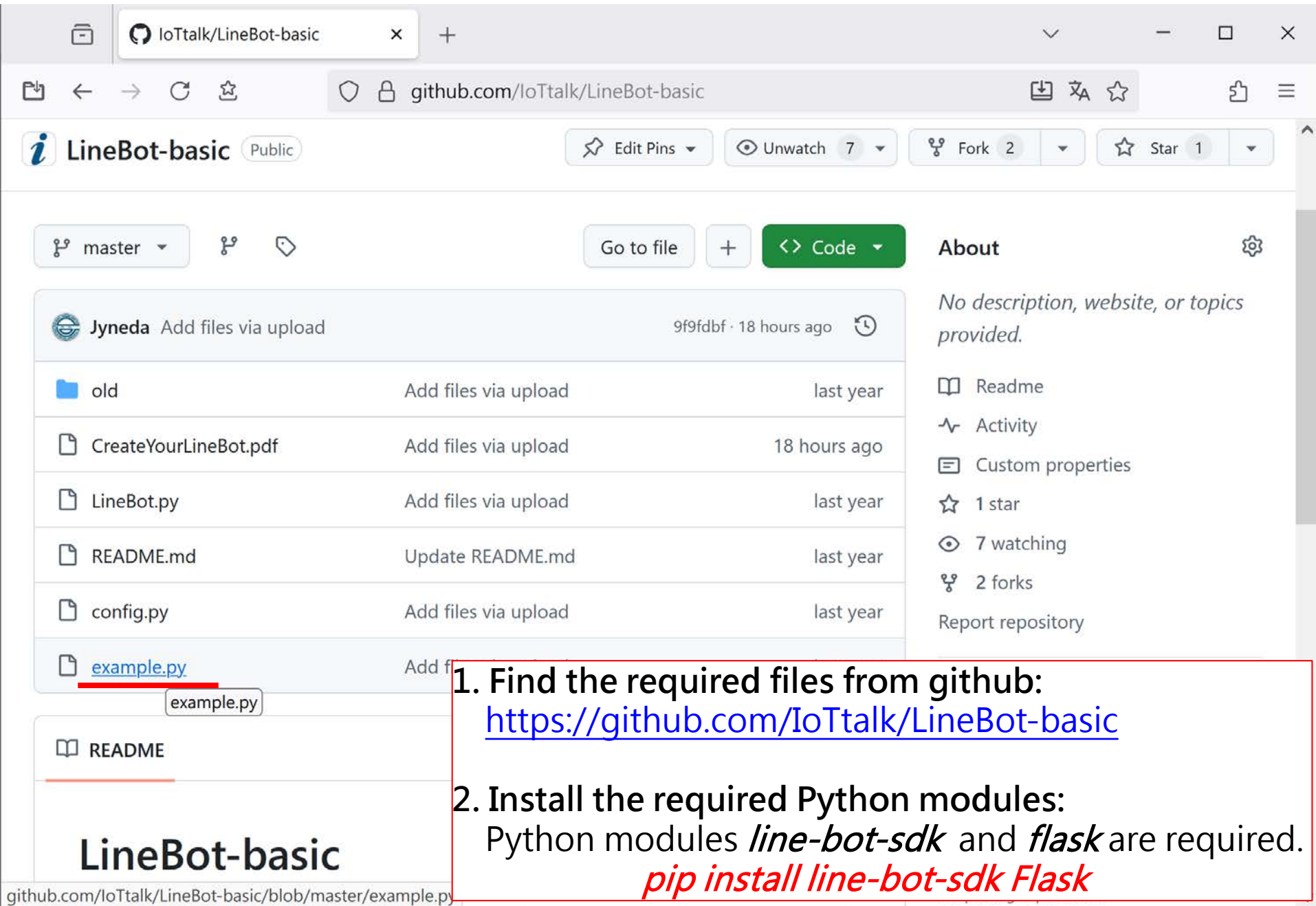
Webhook with Line Server

Verify LineBot Application through ngrok

Using **ngrok** instead of a https web server to webhook with Line server.



Prepare the required files and install required Python modules.



LineBot-basic Public

master

Go to file + <> Code

About

No description, website, or topics provided.

Readme Activity Custom properties 1 star 7 watching 2 forks Report repository

File	Commit	Time
old	Add files via upload	last year
CreateYourLineBot.pdf	Add files via upload	18 hours ago
LineBot.py	Add files via upload	last year
README.md	Update README.md	last year
config.py	Add files via upload	last year
<u>example.py</u>	Add files via upload	last year

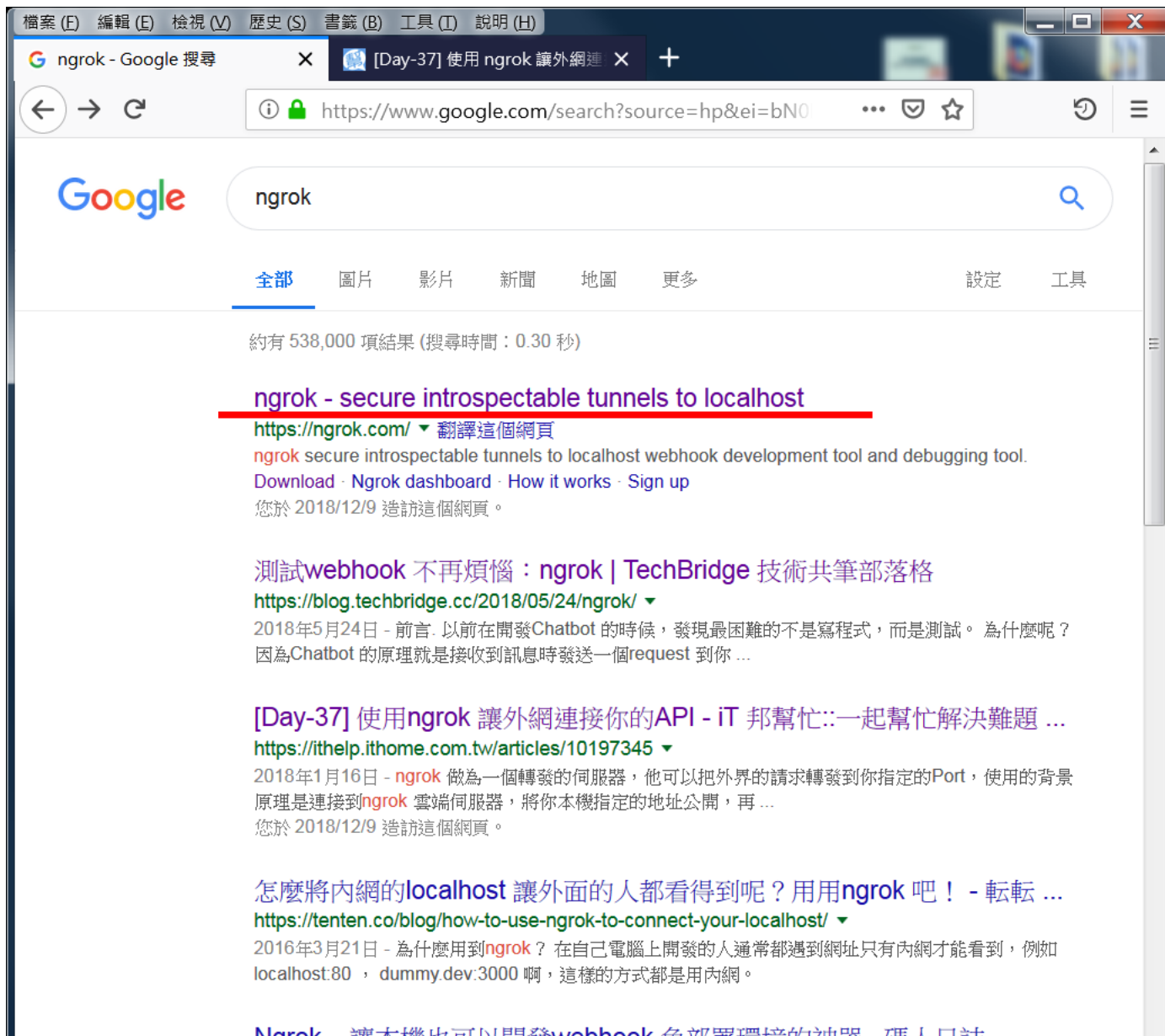
example.py

LineBot-basic

github.com/IoTtalk/LineBot-basic/blob/master/example.py

1. Find the required files from github:
<https://github.com/IoTtalk/LineBot-basic>
2. Install the required Python modules:
Python modules *line-bot-sdk* and *flask* are required.
`pip install line-bot-sdk Flask`

Download the ngrok client.



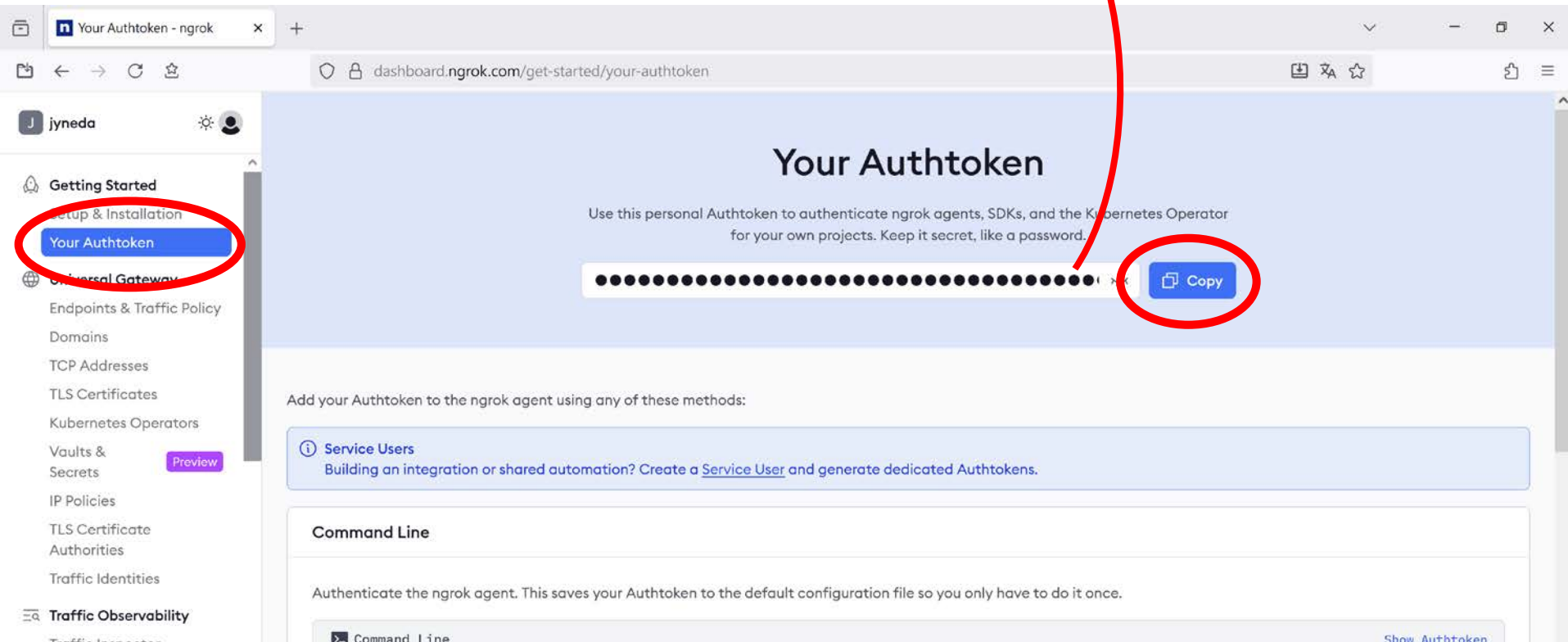
ngrok requires you to log in and add your Authtoken once before use.

Go to <https://dashboard.ngrok.com/login>

Then run:

ngrok config add-authtoken <Authtoken>

This command saves the Authtoken to your computer.



In the command line, use the cmd below to activate ngrok:

ngrok http 32768

```
cmd 选取 命令提示字元 - ngrok http 32768
ngrok
(Call internal services from your gateway: https://ngrok.com/r/http-request)
Session Status      online
Account             jyneda (Plan: Free)
Version             3.30.0
Region              Japan (jp)
Latency              72ms
Web Interface        http://127.0.0.1:4040
Forwarding            https://36b027a8403c.ngrok-free.app -> http://localhost:32768
Connections          p90
                     0.02
HTTP Requests
-----
11:47:08.659 CST GET /favicon.ico 404 NOT FOUND
11:47:08.543 CST GET / 200 OK
```

Please do **NOT** close this window
if you want to keep the connection.

Edit the **config.py** to fill up the Channel secret and Channel access token of your LineBot.

CA\LineBotBasic\config.py - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

```
1  """ LineBot Information """
2  ChannelSecret = '16c65591[REDACTED]01719d'
3  ChannelAccessToken = 'NWeK7bSKf3vuiyvysrP6C5hfOfpSts[REDACTED]BAWzG1MqXi1J0LVgJ[REDACTED]112Q+[REDACTED]FI+0'
4
5
6  """ Line ID File Path """
7  idfilePath = './userIdFile'
```

Change them to your bot's.

LINE Developers

Console home

TOP > CLASS_demo > Class_demo

Permissions PROFILE

Channel secret 16c65591a890eb41d994efd5e801719d

Assertion Signing Register a public key

Your user ID U75382ce39803f1bd2df424da2d89f688

Delete this channel

Delete

LINE Developers

Console home

TOP > CLASS_demo > Class_demo > Messaging API

Allow bot to join group chats Disabled Edit

Auto-reply messages Enabled Edit

Greeting messages Enabled Edit

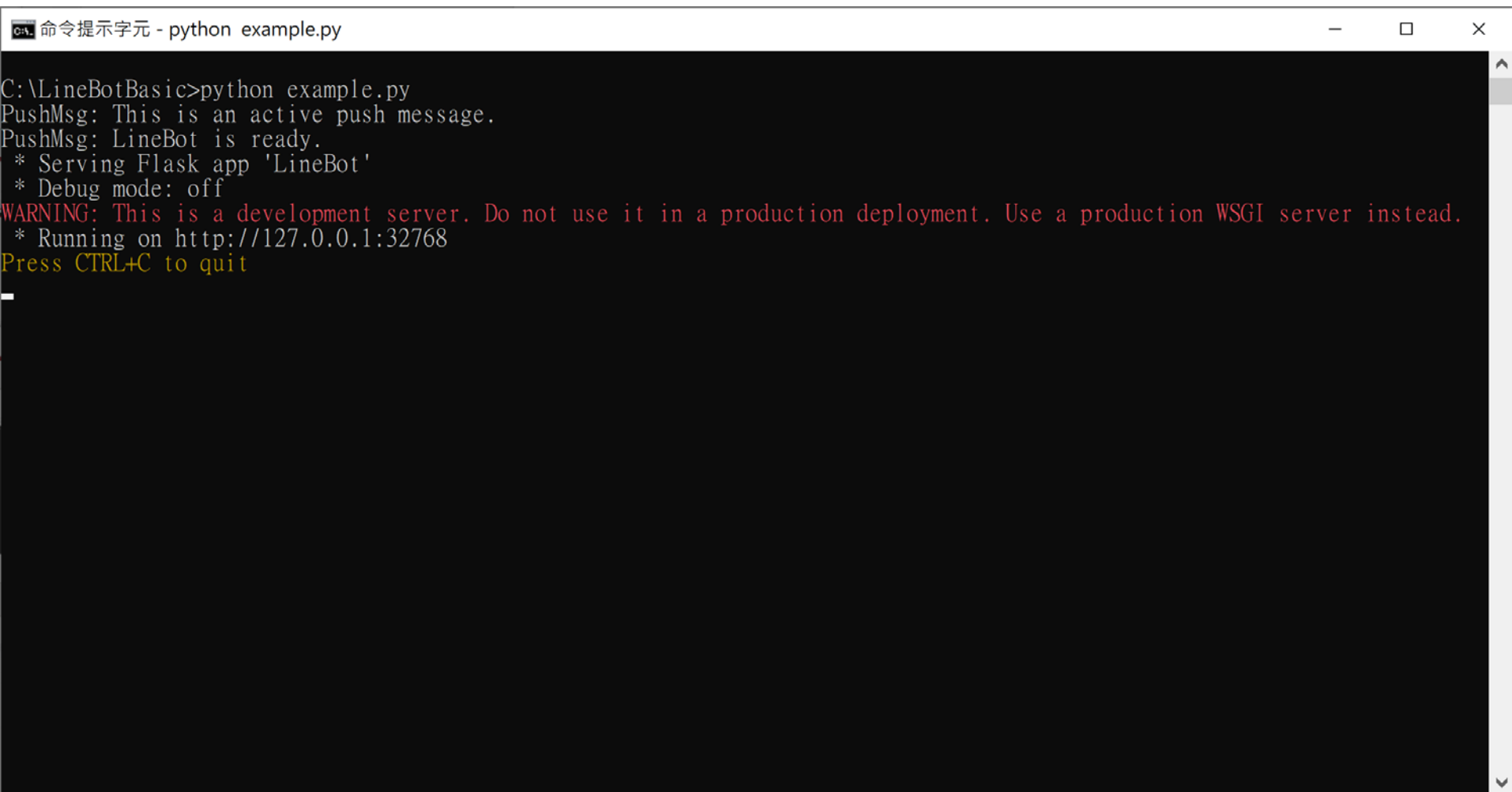
Channel access token

Channel access token NWeK7bSKf3vuiyvysrP6C5hfOfpSts[REDACTED]BAWzG1MqXi1J0LVgJ[REDACTED]112Q+[REDACTED]FI+0

Release

Execute the `example.py` for the demonstration:

`python example.py`



```
命令提示字元 - python example.py
C:\LineBotBasic>python example.py
PushMsg: This is an active push message.
PushMsg: LineBot is ready.
* Serving Flask app 'LineBot'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:32768
Press CTRL+C to quit
```

Scan this QR code with LINE to add your LINE Official Account as a friend. You can share the code with others.

Webhook settings

Webhook URL ⓘ https://36b027a8403c.ngrok-free.app

Verify

Edit

Use webhook ⓘ



LINE Official Account features

Edit the message text and other settings for these features in the LINE Official Account Manager

Allow bot to join group chats ⓘ Disabled

Edit

Scan this QR code with LINE to add your LINE Official Account as a friend. You can share the code with others.

Webhook settings

Webhook URL ? <https://36b027a8403c.ngrok-free.app>

Verify

Edit

Use webhook ?



Write the **NGROK** disposable URL here.

LINE Official Account features

Edit the message text and other settings for these features in the LINE Official Account Manager

Allow bot to join group chats ? Disabled

Edit

Scan this QR code with LINE to add your LINE Official Account as a friend. You can share the code with others.

Webhook settings

Webhook URL ⓘ https://36b027a8403c.ngrok-free.app

Verify

Edit

Use webhook ⓘ



LINE Official Account features

Edit the message text and other settings for these features in the LINE Official Account Manager

Allow bot to join group chats ⓘ Disabled

Edit

Must be successfully verified by the Line server,
otherwise it will not work.

The screenshot shows a web browser window with three tabs, all labeled "LINE Developers". The active tab displays the URL `developers.line.biz/console/channel/2008249479/messaging-api`. The page header includes the "LINE Developers" logo and navigation links: "About", "News", "Products", "Documentation", "FAQ", "Glossary", and "More". A sidebar on the left contains a "Console home" link. The main content area shows a breadcrumb trail: "TOP > CLASS_demo > Class_demo > Messaging API". Below this is a QR code with the text: "Scan this QR code with LINE to add your LINE Official Account as a friend. You can share the code with others." The "Webhook settings" section displays a "Webhook URL" of `https://36b027a8403c` with "Verify" and "Edit" buttons. A modal dialog box is open in the center, showing "Success" and an "OK" button. Below the modal, the "Use webhook" toggle is turned off. The "LINE Official Account features" section includes the text "Edit the message text and other settings for these features in the LINE Official Account Manager" and a setting for "Allow bot to join group chats" which is currently "Disabled" with an "Edit" link.

LINE Developers

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Console home

TOP > CLASS_demo > Class_demo > Messaging API

Scan this QR code with LINE to add your LINE Official Account as a friend. You can share the code with others.

Webhook settings

Webhook URL [?] `https://36b027a8403c` Verify Edit

Use webhook [?] ☐

LINE Official Account features

Edit the message text and other settings for these features in the LINE Official Account Manager

Allow bot to join group chats [?] Disabled Edit

Scan this QR code with LINE to add your LINE Official Account as a friend. You can share the code with others.

Webhook settings

Webhook URL ⓘ https://36b027a8403c.ngrok-free.app

Verify

Edit

Use webhook ⓘ



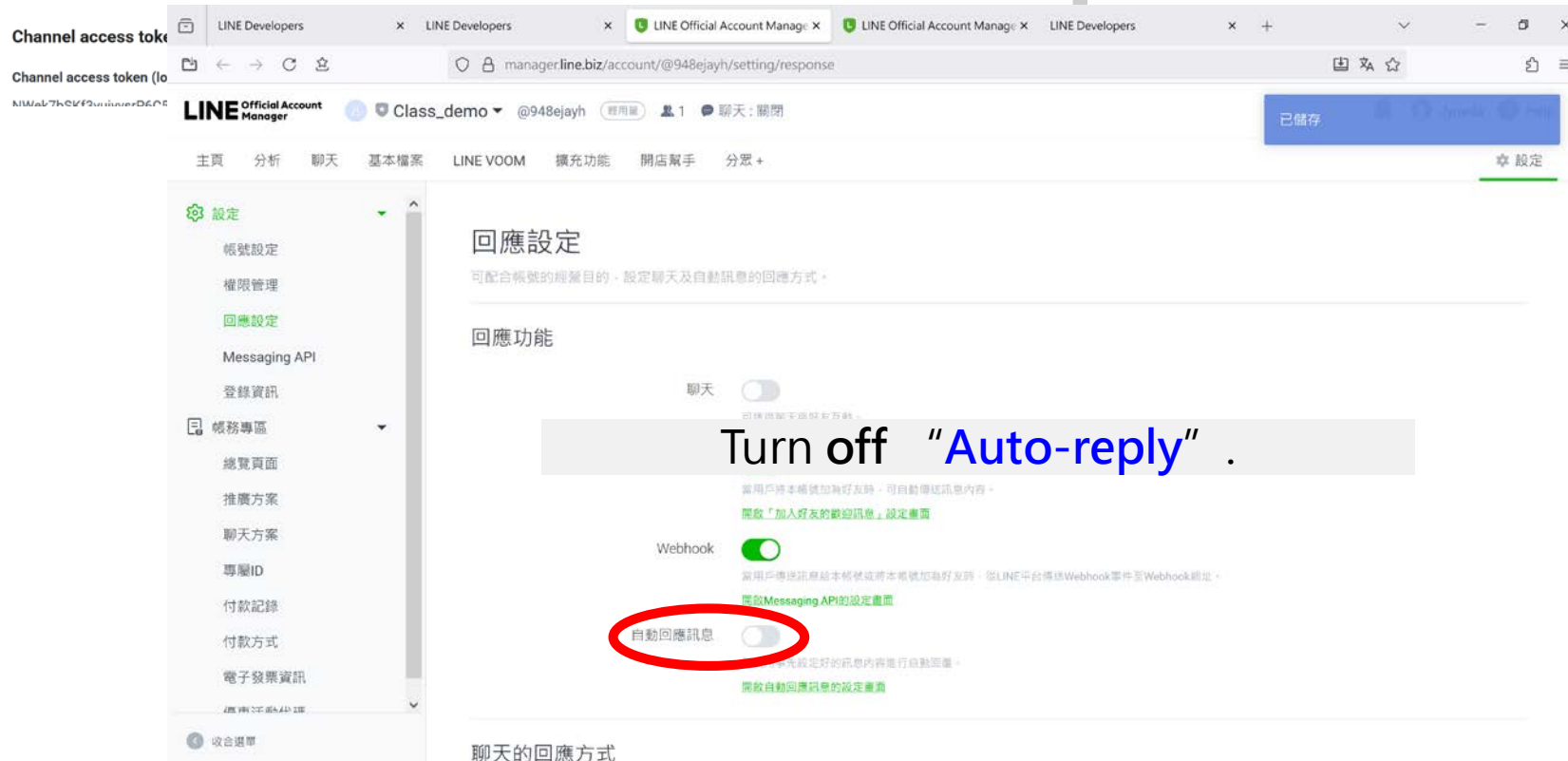
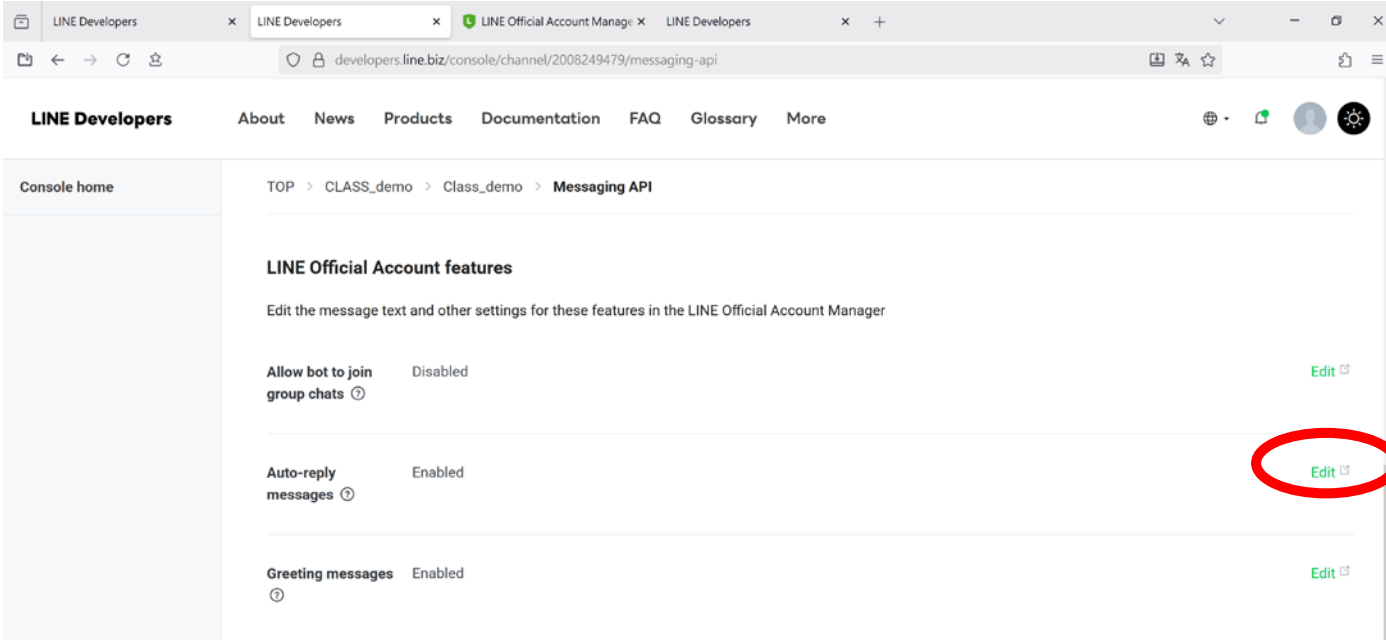
Remember to turn on "Use webhook".

Webhook redelivery ⓘ



Error statistics aggregation ⓘ





LINE Developers x LINE Official Account Manager x

manager.line.biz/account/@948ejayh/setting/response

LINE Official Account Manager Class_demo @948ejayh 輕用量 1 聊天: 關閉

已儲存

主頁 分析 聊天 基本檔案 LINE VOOM 擴充功能 開店幫手 分眾 + 設定

設定

- 帳號設定
- 權限管理
- 回應設定**
- Messaging API
- 登錄資訊

帳務專區

- 總覽頁面
- 推廣方案
- 聊天方案
- 專屬ID
- 付款記錄
- 付款方式
- 電子發票資訊

風車活動管理

收合選單

回應設定

可配合帳號的經營目的，設定聊天及自動訊息的回應方式。

聊天 ☐

可透過聊天與好友互動。

加入好友的歡迎訊息 ☒

當用戶將本帳號加為好友時，可自動傳送訊息內容。

[開啟「加入好友的歡迎訊息」設定畫面](#)

Webhook ☒

當用戶傳送訊息給本帳號或將本帳號加為好友時，從LINE平台傳送Webhook事件至Webhook網址。

[開啟Messaging API的設定畫面](#)

自動回應訊息 ☐

可使用事先設定好的訊息內容進行自動回覆。

[開啟自動回應訊息設定畫面](#)

聊天的回應方式

You can also edit them here.

Console home

TOP > CLASS_demo > Class_demo > Messaging API

LINE Official Account features

Edit the message text and other settings for these features in the LINE Official Account Manager

Allow bot to join group chats Disabled

Edit

Auto-reply messages Disabled

Check the state again.
The state of Auto-reply should be "Disabled".

Edit

Greeting messages Enabled

Edit

Channel access token

Channel access token (long-lived)

NWak7hSKf3uuiuerD6C5hfOfnStelSuz4mVDMDCaBAWzGIMaYii 10I Vg IVH8mamY2fkhMl2Qd1f6ukSuEWk37tuDl4DnNcTviiBHOCPYU/yV0k8HA

Test your LineBot application:

Step 1. Send any message using the Line app in your smartphone.

Step 2. Check the console output of example.py to see whether it responds with the message you sent.

Step 3. If Step 2 works correctly, close example.py and restart it. Then check whether the startup message appears on your Line app.

