

Tutorials:

- Line Notify: <https://notify-bot.line.me/doc/en/>
- Line Messaging API: <https://developers.line.biz/en/docs/>

Line Messaging API (Line Bot)

Create an Line Business ID and an new channel

1. Go to the URL: <https://developers.line.biz/en/> , Login as your Line account.
2. Create a new provider
3. Select **Messaging API** and create a channel

Configure the BOT

1. Go to the URL: <https://developers.line.biz/en/> , Login as your Line account.
2. Select **Provider List** > *your-new-provider-name*
3. Select *your-new-app-name*
4. Select **Channel settings**

- Channel access token (long-lived): Issue a new access token

NOTE: the 0 second is recommended for first time development

- Allow bot to join group chats: **Enabled**
- Use webhooks: **Enabled**
- Webhook URL: *NOTE: Please check the following steps*

Create a webhook site using Google Apps Script service

1. Go to the site: <https://script.google.com/> (*NOTE: assuming you already have a GCP account*)
2. Create new project (new script) called LineBot and Copy-Paste the codes below
3. Save and Publish it (?????????)
 - ? ???? : ?? (*NOTE: ??????*)
 - ? ??????????????: ????????
4. Take a note of the public URL
5. Back to the site: <https://developers.line.biz/en/> and input the URL above into the field 'Webhook URL'.

LineBot webhook script:

```
function doPost(e) {
  var CHANNEL_ACCESS_TOKEN = 'Here is hash key for Channel-Access-Token';
  var msg = JSON.parse(e.postData.contents);
  console.log(msg);
  return JSON.stringify({});
}
```

Testing the webhook script

1. Add the Bot as a friend on your Line using QR code or searching the Line-ID of the Bot.
2. Go to the site: <https://script.google.com/> , ?? ???? , ?? LineBot , ???????????? Stackdriver ?? .
3. ?? ?? ??
NOTE: ?? webhook ??? Line ??, ??????????
4. Sending a test message to the Bot from your Line
5. If webhook script works fine you will see something on the Stackdriver ?? web.

NOTE: the logs will contain the info of the userid/groupid that the message is sent from

Sending a test message using API

To send a message to specified user or group using API the userid or groupid of the recipients are required for the API.

NOTE: the userid/groupid is different from Line ID/Group name.

How to get the userid of the specified username:

1. Add the bot as a friend on the specified username
2. The user sends a test message to the Bot
3. The webhook script that we created will get some info that contains the userid or groupid.

Sending message using shell:

```
curl -v -X POST https://api.line.me/v2/bot/message/push \
-H 'Content-Type:application/json' \
-H 'Authorization: Bearer CHANNEL_ACCESS_TOKEN' \
-d '{
  "to": "USERID_OF_RECIPIENT",
  "messages":[
    {
      "type":"text",
      "text":"From Bot : ???"
    }
  ]
}'
```

Manager the Bot

Go to the URL: <https://admin-official.line.me/>

1. Getting the Line ID of the Bot or QR code so that adding the bot as a friend.
2. Change the info of the Bot Account, such as account name, status message.
3. Change the Icon of the account.

Webhook Scripts

JAVA: sending an email with username info

```
var CHANNEL_ACCESS_TOKEN = '<CHANNEL_ACCESS_TOKEN>';

function getUsername(userId) {
    var url = 'https://api.line.me/v2/bot/profile/' + userId;
    var response = UrlFetchApp.fetch(url, {
        'headers': {
            'Authorization': 'Bearer ' + CHANNEL_ACCESS_TOKEN
        }
    });
    return JSON.parse(response.getContentText()).displayName;
}

function doPost(e) {
    var messageText = JSON.parse(e.postData.contents).events[0].message.text;
    var userId = JSON.parse(e.postData.contents).events[0].source.userId;
    var username = getUsername(userId);

    MailApp.sendEmail('sample@mail.com', 'Forwarded LINE Messages', 'From: ' + username +
String.fromCharCode(10) + messageText);
    return JSON.stringify({});
}
```

Reference

- <https://mr117119.wordpress.com/2017/...C%8D%E5%8B%99/>
- <https://kantai235.github.io/2017/03/...ineMessageAPI/>
- Line emojis
 - <https://qiita.com/hisaharu/items/613baad81a4161c3c6c2>
 - <https://github.com/line/line-bot-sdk-php/issues/54>