

MAS Submod : One-Click Backup to persistent to Google Drive

Dependencies, requirements and one-time procedure

a. Node.js and npm installed (download link : [Node.js — Download \(nodejs.org\)](https://nodejs.org/) , you can find tutorial on how to install on YouTube, if you don't sure how to)

b. Git clone or download my submod folder, place the folder at anywhere you like (relax, later for the Ren'Py submod part, now for Node.js part).

c. Node modules :

execute “ npm install googleapis fs readline util progress ” on your cmd (make sure path directory has changed to the folder of the directory you downloaded my submod folder)

d. ONE-TIME PROCEDURE ONLY. AFTER THAT, YOU JUST NEED TO CLICK BACKUP BUTTON TO AUTOMATICALLY BACKUP TO YOUR GOOGLE DRIVE.

1. Go to <https://console.cloud.google.com/> Google Cloud Console.

2. Click "NEW PROJECT"



3. Enter Project Name and click CREATE.

Project name *
MASbackup ?

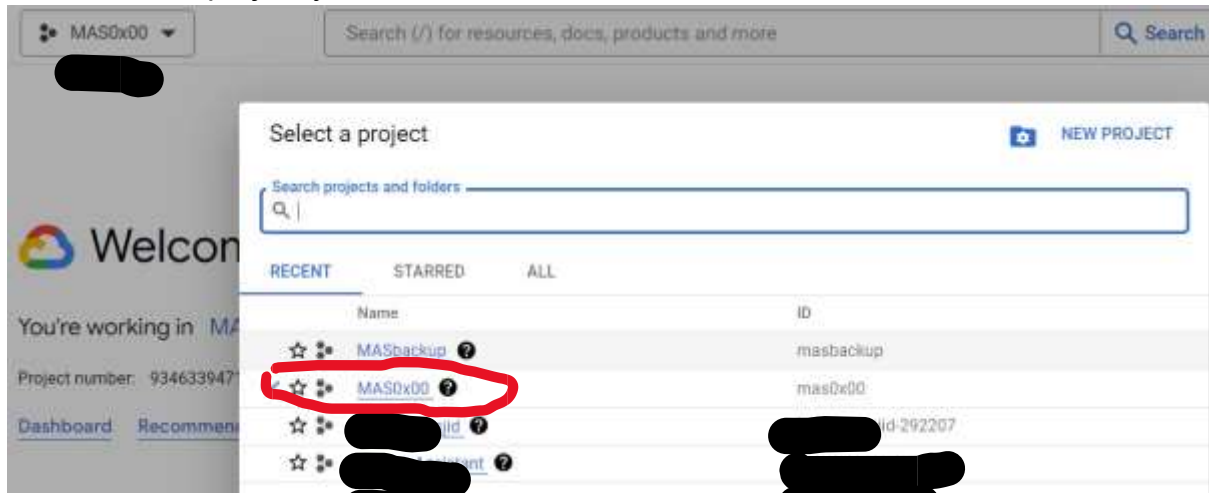
Project ID: masbackup. It cannot be changed later. [EDIT](#)

Location *
No organisation [BROWSE](#)

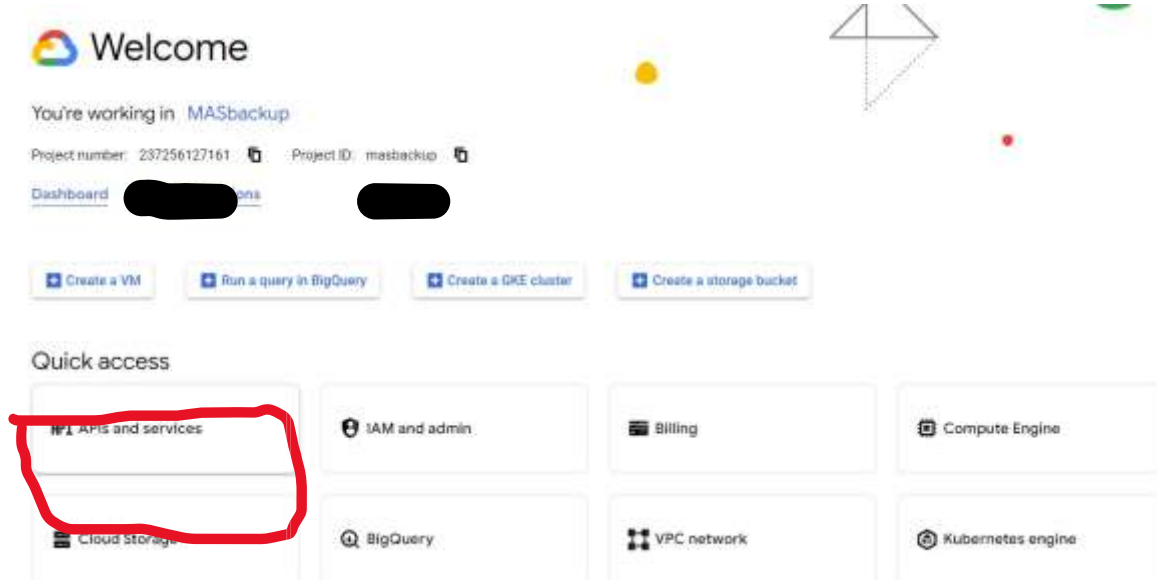
Parent organisation or folder

[CREATE](#) [CANCEL](#)

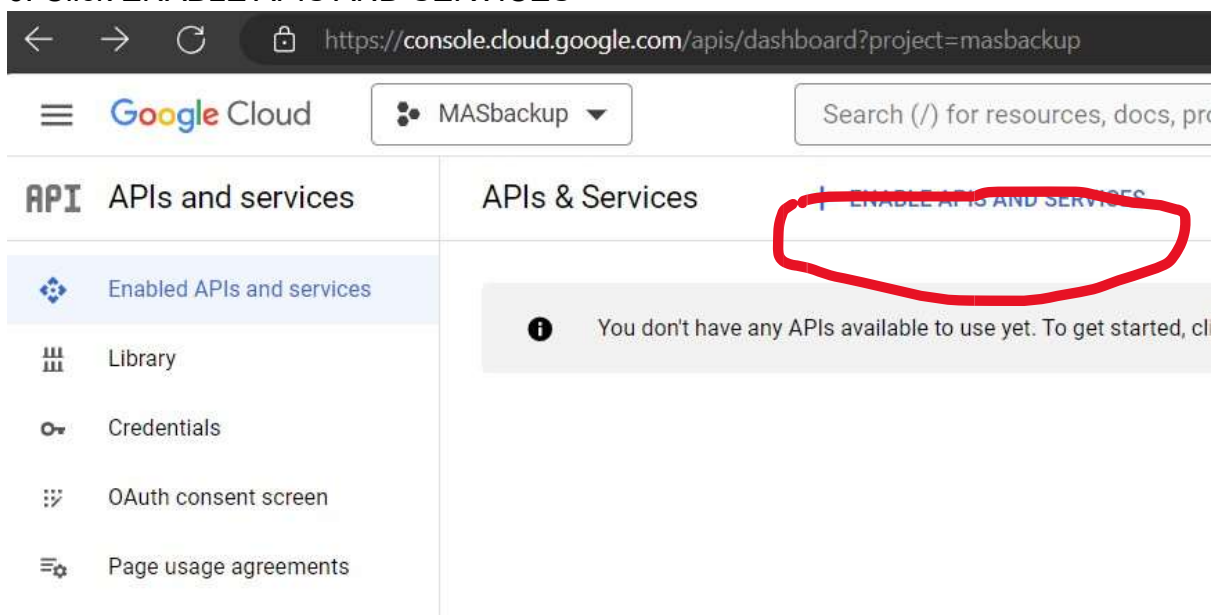
4. Click at the project you've created



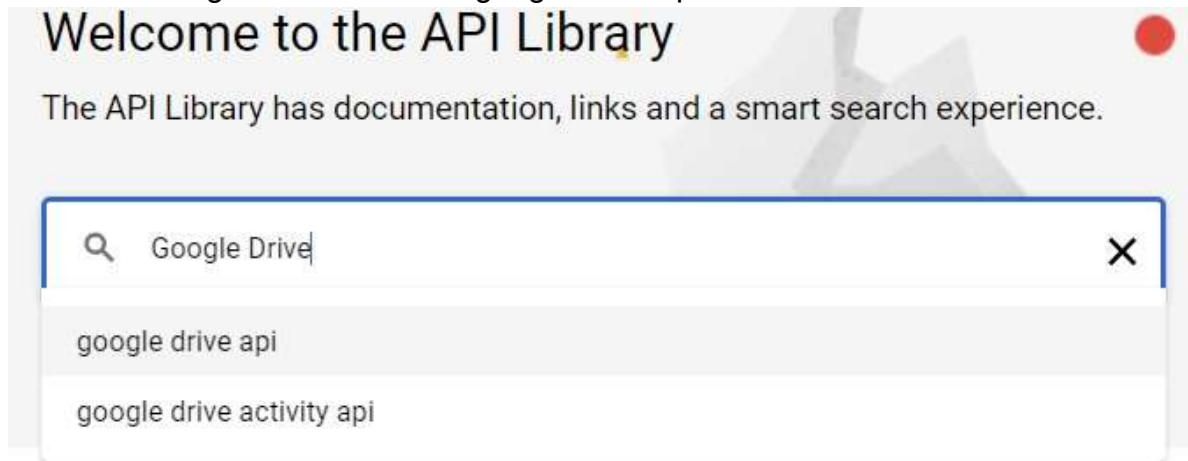
5. Click APIs and services



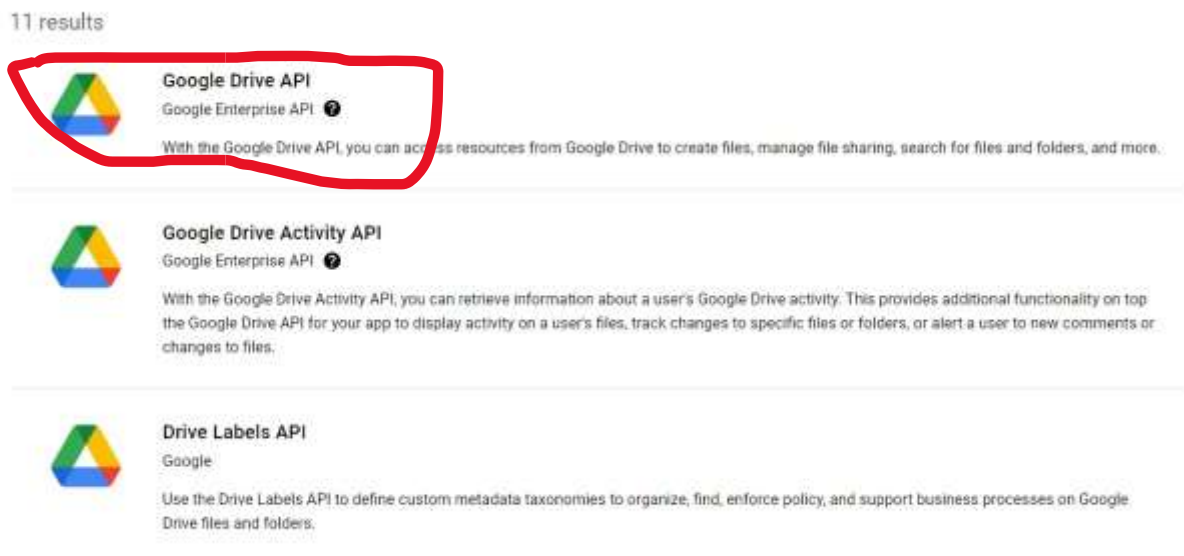
6. Click ENABLE APIS AND SERVICES



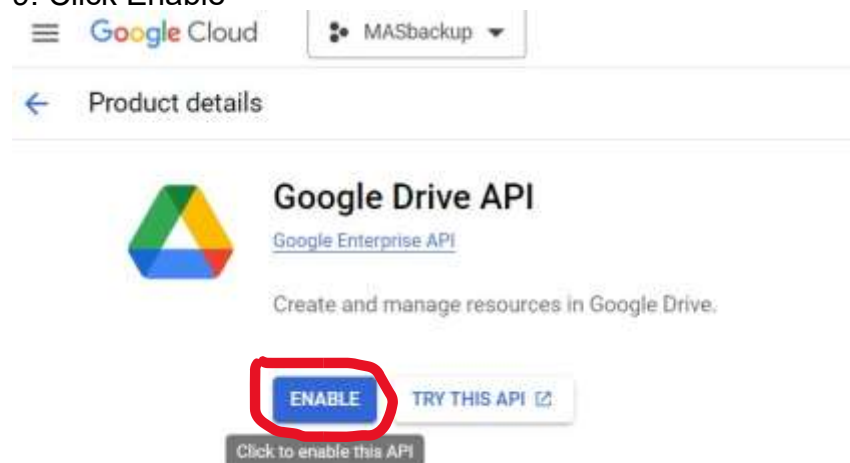
7. Search Google Drive and click google drive api



8. Click Google Drive API




9. Click Enable




10. After enable the API, go to OAuth consent screen at side panel.


APIs and services

 Enabled APIs and services

 Library

 Credentials

 OAuth consent screen

 Page usage agreements

11. Enter App name and User support email.

1 OAuth consent screen — 2 Scopes — 3 Test users — 4 Summary

App information

This shows in the consent screen, and helps end users know who you are and contact you

App name *

MASbackup

The name of the app asking for consent

User support email *

syafiqmuhammad588@gmail.com

For users to contact you with questions about their consent. [Learn more](#)

12. Also this Email address. Then click SAVE AND CONTINUE.

Developer contact information

Email addresses *

syafiqmuhammad588@gmail.com

These email addresses are for Google to notify you about any changes to your project.

SAVE AND CONTINUE

CANCEL

13. For Scopes session, ignore and scroll then click SAVE AND CONTINUE.

SAVE AND CONTINUE

CANCEL

14. Also same with Test Users session. Ignore and click SAVE AND CONTINUE.

✓ OAuth consent screen — ✓ Scopes — 3 **Test users** — 4 Summary

Test users

While publishing status is set to 'Testing,' only test users are able to access the app. Allowed user cap prior to app verification is 100, and is counted over the entire lifetime of the app. [Learn more](#)

+ ADD USERS

Filter Enter property name or value



User information

No rows to display

SAVE AND CONTINUE

CANCEL

15. Click BACK TO DASHBOARD

BACK TO DASHBOARD

16. Then go to Credentials from side panel.

API APIs and services

Enabled APIs and services

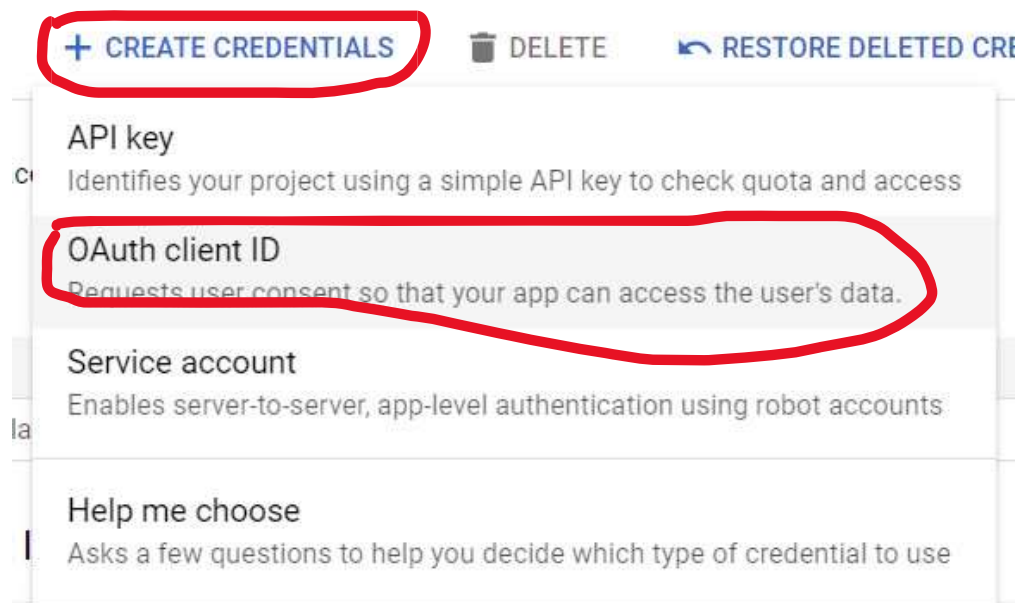
Library

Credentials

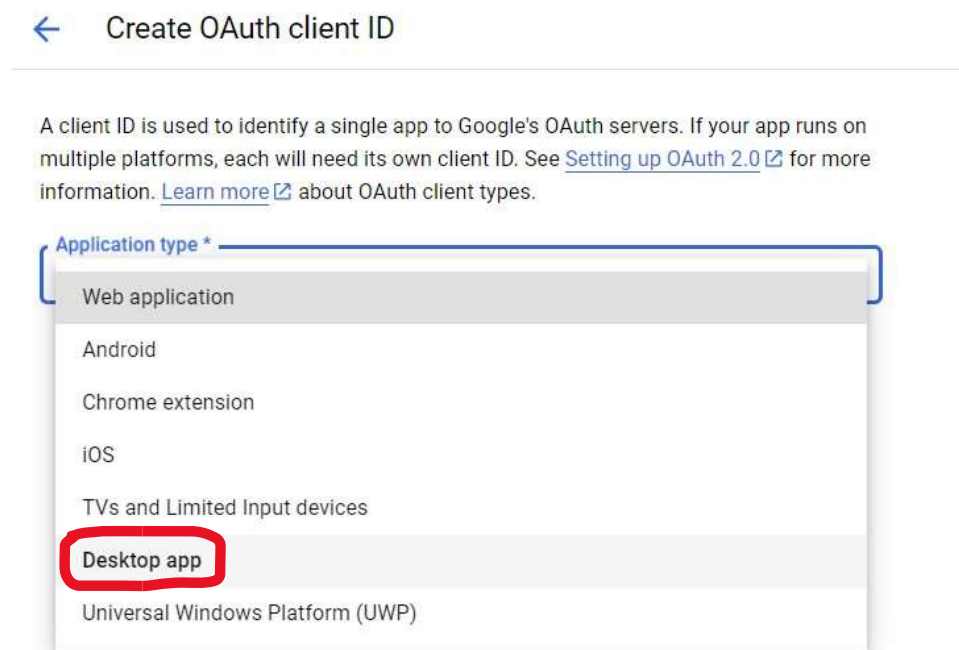
OAuth consent screen

Page usage agreements

17. Click CREATE CREDENTIALS, then select OAuth client ID.



18. Select Desktop app for Application type.



19. Name it and click CREATE

← Create OAuth client ID

A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See [Setting up OAuth 2.0](#) for more information. [Learn more](#) about OAuth client types.

Application type *

Desktop app

Name *

MASbackup

The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

Note: It may take five minutes to a few hours for settings to take effect

CREATE

CANCEL

20. After created, click DOWNLOAD JSON

OAuth client created

The client ID and secret can always be accessed from Credentials in APIs & Services



OAuth access is restricted to the [test users](#) listed on your [OAuth consent screen](#)

Client ID

[REDACTED]

Client secret

[REDACTED]

Creation date

30 January 2024 at

[REDACTED]

Status

✓ Enabled

↓ DOWNLOAD JSON

21. Paste downloaded JSON file at your folder of the folder you clone from GitHub.

[Folder Icon]	[Redacted]	30/1/2024	[Redacted]	File folder	
[Folder Icon]	[Redacted]	30/1/2024	[Redacted]	File folder	
[Folder Icon]	[Redacted]	30/1/2024	[Redacted]	File folder	
[JS Icon]	[Redacted]	30/1/2024	[Redacted]	JavaScript Source ...	4 KB
[Python Icon]	[Redacted]	30/1/2024	[Redacted]	Python File	1 KB
[JSON Icon]	client_secret_237256127161-4lsvrlkpj4ki...	30/1/2024	[Redacted]	JSON Source File	1 KB
[JSON Icon]	[Redacted]	30/1/2024	[Redacted]	JSON Source File	1 KB
[JSON Icon]	[Redacted]	30/1/2024	[Redacted]	JSON Source File	1 KB
[JSON Icon]	[Redacted]	30/1/2024	[Redacted]	JSON Source File	22 KB
[JSON Icon]	[Redacted]	30/1/2024	[Redacted]	JSON Source File	1 KB

22. Rename it as credentials.json

[Folder Icon]	[Redacted]	30/1/2024	[Redacted]	File folder	
[Folder Icon]	[Redacted]	30/1/2024	[Redacted]	File folder	
[Folder Icon]	[Redacted]	30/1/2024	[Redacted]	File folder	
[Folder Icon]	[Redacted]	30/1/2024	[Redacted]	JavaScript Source ...	4 KB
[Python Icon]	[Redacted]	30/1/2024	[Redacted]	Python File	1 KB
[JSON Icon]	credentials.json	30/1/2024	[Redacted]	JSON Source File	1 KB
[JSON Icon]	[Redacted]	30/1/2024	[Redacted]	JSON Source File	1 KB
[JSON Icon]	[Redacted]	30/1/2024	[Redacted]	JSON Source File	22 KB
[JSON Icon]	[Redacted]	30/1/2024	[Redacted]	JSON Source File	1 KB

23. Open backup.js to modify it using any of your favourite code editor. Mine using VS Code. If you're not familiar, you can just use Notepad, but it is totally not recommended. Now, go to line 100, search for "const credentials = JSON.parse(await readFileAsync('C:/Users/syafi/OneDrive/Documents/Day23/credentials.json'));" You need to modify the path of your credentials.json file. Easiest way is to "copy as path" from File Manager, and change all \ to / Example of mine :

```

98  async function main() {
99      try {
100         const credentials = JSON.parse(await readFileAsync('C:/Users/syafi/OneDrive/Documents/Day23/credentials.json'));
101         const auth = await authorize(credentials);
102         await uploadFolder(auth);
103     } catch (err) {
104         console.error('Error:', err);
105     }
106 }

```

24. Next, we need to modify this, at line 11, use same path as previous, BUT just replace "credentials.js" with "token.js"

```

8   const readFileAsync = promisify(fs.readFile);
9
10  const SCOPES = ['https://www.googleapis.com/auth/drive'];
11  const TOKEN_PATH = 'C:/Users/syafi/OneDrive/Documents/Day23/token.js';
12

```

25. Then, go to line 51, modify the folderPath where your persistent folder at.


```
48 async function uploadFolder(auth) {
49   const drive = google.drive({ version: 'v3', auth });
50   const folderId = '1osssiI90rA08SAZeICX7zGVso4ahSWC6r'; // ID of the folder in
51   const folderPath = 'RenPy/Monika After Story';
```

26. For line 50, modify the folderId, get the Id from your Google Drive folder path. (You need to create the backup folder first in your Google Drive). Don't forget to save the code.

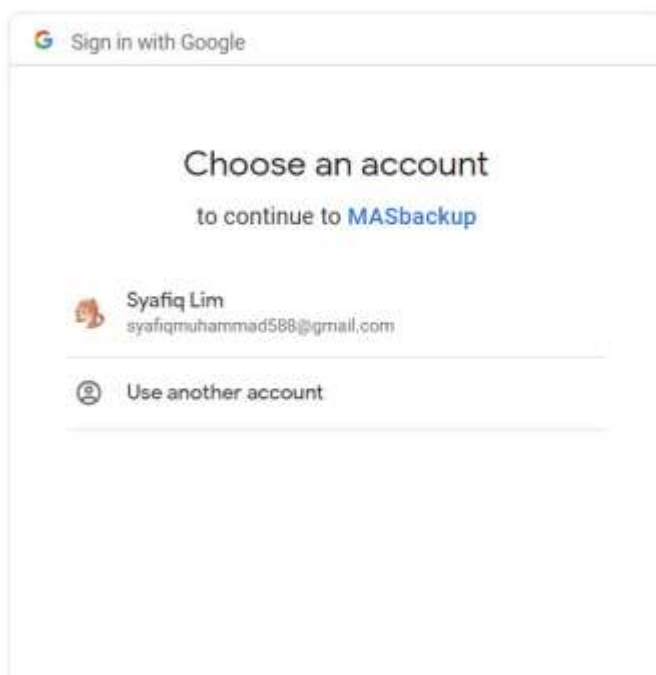
https://drive.google.com/drive/folders/ [REDACTED]

RECENT SEARCHES

27. Execute “ node backup.js ”, then copy the URL to your browser for authorization request.

```
syafiq@SYAFIQLIMROG ~\OneDrive\Documents\Day23 [22:48]
node backup.js
Authorize this app by visiting this URL: https://accounts.google.com/o/oauth2/v2/auth?access_type=offline&scope=https%3A%2F%2Fwww.googleapis.com/auth/calendar.readonly
googleusercontent.com#redirect_uri=http%3A%2F%2Flocalhost
Enter the code from that page here:
```

28. Choose your account.



29. Click Advanced



Google hasn't verified this app

The app is requesting access to sensitive info in your Google Account. Until the developer (syafiqmuhammad588@gmail.com) verifies this app with Google, you shouldn't use it.

If you're the developer, submit a verification request to remove this screen. [Learn more](#)



[Advanced](#)

BACK TO SAFETY

30. Click Go to.....



Google hasn't verified this app

The app is requesting access to sensitive info in your Google Account. Until the developer (syafiqmuhammad588@gmail.com) verifies this app with Google, you shouldn't use it.

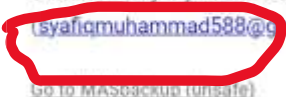
If you're the developer, submit a verification request to remove this screen. [Learn more](#)

[Hide Advanced](#)

BACK TO SAFETY

Continue only if you understand the risks and trust the developer

(syafiqmuhammad588@gmail.com).




[Go to APKSecurity \(unsafe\)](#)

30. Click Continue



MASbackup wants access to your Google Account

 syafiqmuhammad588@gmail.com

When you allow this access, **MASbackup** will be able to



See, edit, create and delete all of your Google Drive files. [Learn more](#)

Make sure that you trust MASbackup

You may be sharing sensitive info with this site or app. You can always see or remove access in your [Google Account](#).

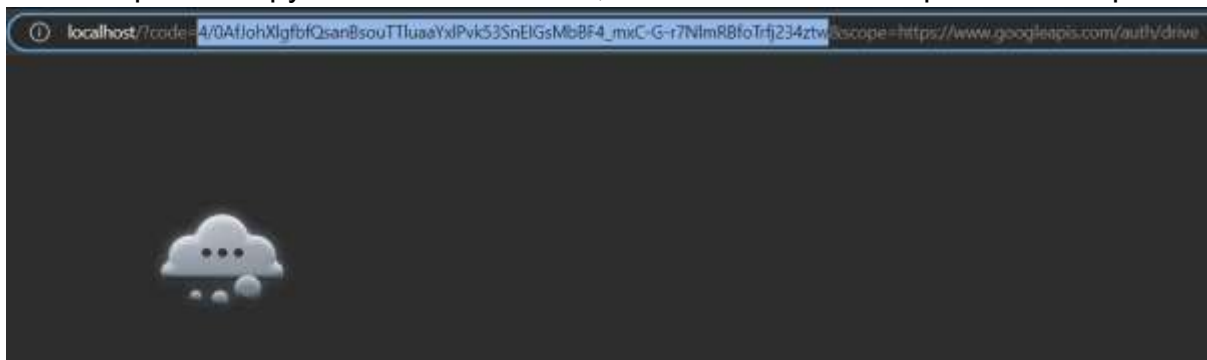
Learn how Google helps you [share data safely](#).

See MASbackup's privacy policy and Terms of Service.

Cancel

Continue

31. Don't panic. Copy the code at the URL, after code= until &scope. For example :



32. Go back to terminal/cmd/powershell, and paste the code.

```
node backup.js
Authorize this app by visiting this URL: https://accounts.google.com/o/oauth2/v2/auth?access_type=offline&scope=https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fdrive&response_type=code&client_id=237256127161-4lsvr1kpjf4kinkiu9gg0qj4rhovsi4t.apps.googleusercontent.com&redirect_uri=http%3A%2F%2Flocalhost
Enter the code from that page here: 4/0AfJohXlgfbfQsan8souTtLuaaYxlPvk53SnEIGsMbBF4_mxC-G-r7NlmR8foTrfj234ztw
```

33. That's it. It will upload to your Google Drive folder. After this you don't need to this authorization again, just execute "node backup.js" and it will replace files and backup.

```
Uploading [=====] 100%  
Folder uploaded successfully.
```

e. Now, for submod (Ren'Py) part

1. Copy the mas_backupGD.rpy to the your submods folder in your DDLC (I'm pretty sure you know what I mean if you have installed any submods before).
2. Open mas_backupGD.rpy using any code editor to modify it. Go to line 30, modify the js_file_path to the backup.js file of the file you previously did. Save the file.

```
27 label testing_syafiqlim:  
28     python:  
29         # Specify the path to your JavaScript file here  
30         js_file_path = "C:/Users/syafi/OneDrive/Documents/Day23/backup.js"  
31  
32         # Call the function to execute the Node.js script  
33         node_result = execute_node_script(js_file_path)  
34
```

3. That's it, now you can get the option in Be right back... menu.



WARNING : You don't need to delete folder if you want to renew the backup, just run the backup tool and it will automatically replace the old one with new one. Otherwise, you need to create new folder and paste new folderId in backup.js code.