

# 1. Directly upload the files to Discord.

Rewrite Line 14 of slack2discord\_migration.py as “UPLOAD\_TO\_GOOGLE = False”

```
slack2discord_migration.py No Selection
1 #!/usr/bin/env python3
2 # Author: Satoshi Hirose modified from Rucky Slavin's great work (https://github.com/rs1avin/slack2discord)
3 # Slack message history importer for Discord: all channels are imported from Slack message history directory
4 import json
5 import os
6 import time
7 import requests
8 import discord
9 # ADDED on 8/22
10 import re
11 import sys
12
13 # Constants
14 UPLOAD_TO_GOOGLE = False
15 if UPLOAD_TO_GOOGLE:
16     # Enter Google Drive's Directory ID: *)
17     from pydrive.auth import GoogleAuth
18     from pydrive.drive import GoogleDrive
19     gauth = GoogleAuth()
20     gauth.LocalWebserverAuth()
21     gdrive = GoogleDrive(gauth)
22 from datetime import datetime
23 from discord.ext import commands
24
25 THROTTLE_TIME_SECONDS = 1
26
27 def get_file_paths(file_path):
28     """
29     Returns a list of json files (either the path itself or nested files if the path is a directory).
30     :param file_path: String path to directory or file
31     :return: List of corresponding .json files
32     """
33     json_files = []
34     # If directory, load files
35     if os.path.isdir(file_path):
36         json_files = [os.path.join(file_path, f) for f in os.listdir(file_path) if f.endswith(".json")]
37     # If json file, load files
38     elif file_path.endswith(".json"):
39         json_files.append(file_path)
40     return json_files
41
42 def fill_references(message, users, channels):
43     """
44     Fills in @mentions and #channels with their known display names
45     """
```

prepare clipboard (textfile)

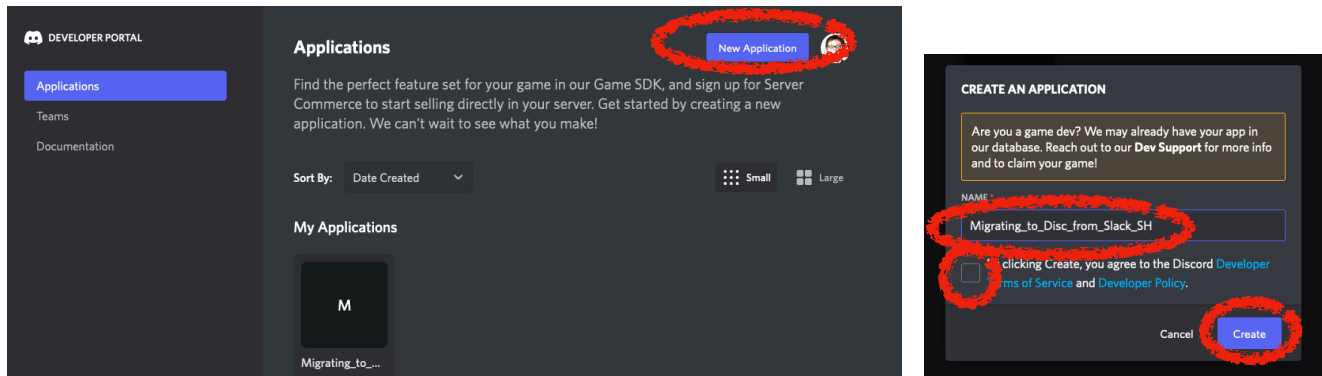
```
Clip.txt 編集済み
BOTOKEN
BOTLINK
CATEGORY_ID
CODE_DIRECTORY
JSON_DIRECTORY
```

# Preparation (perform once, even if you want to migrate multiple Workspaces)

## Discord

### CREATE DISCORD BOT

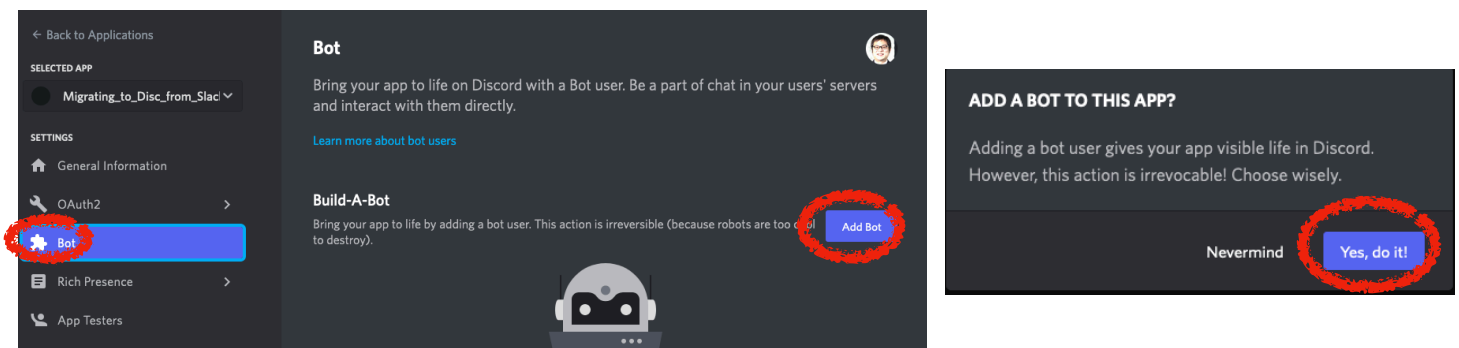
- 1, login to <https://discord.com/developers/applications>
- 2, New Application



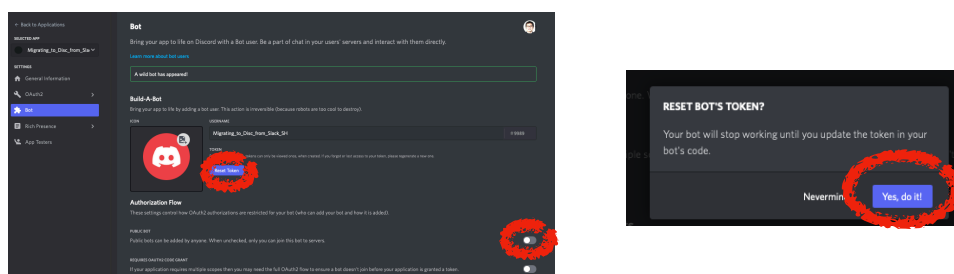
Note: too simple name will cause an error something like "too many people use this name" e.g. do not use 'test'.

Note: The name cannot include "discord"

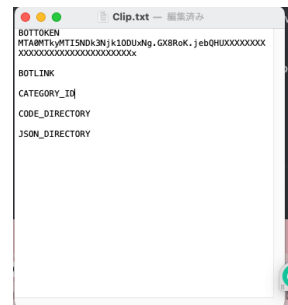
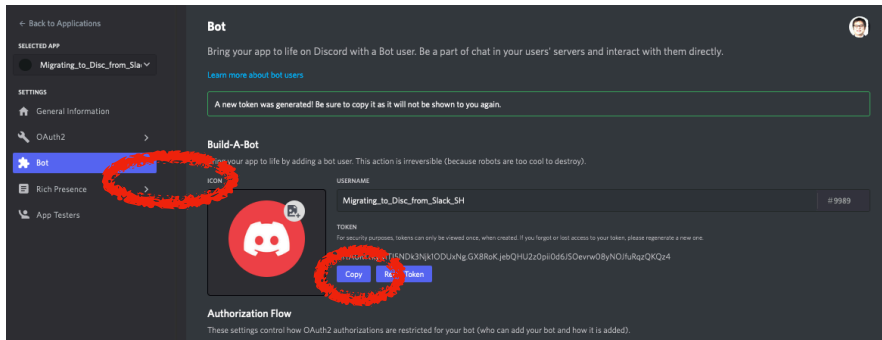
3. bot -> add bot -> yes, do it!



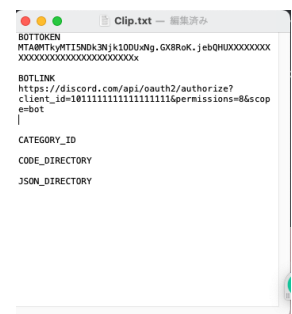
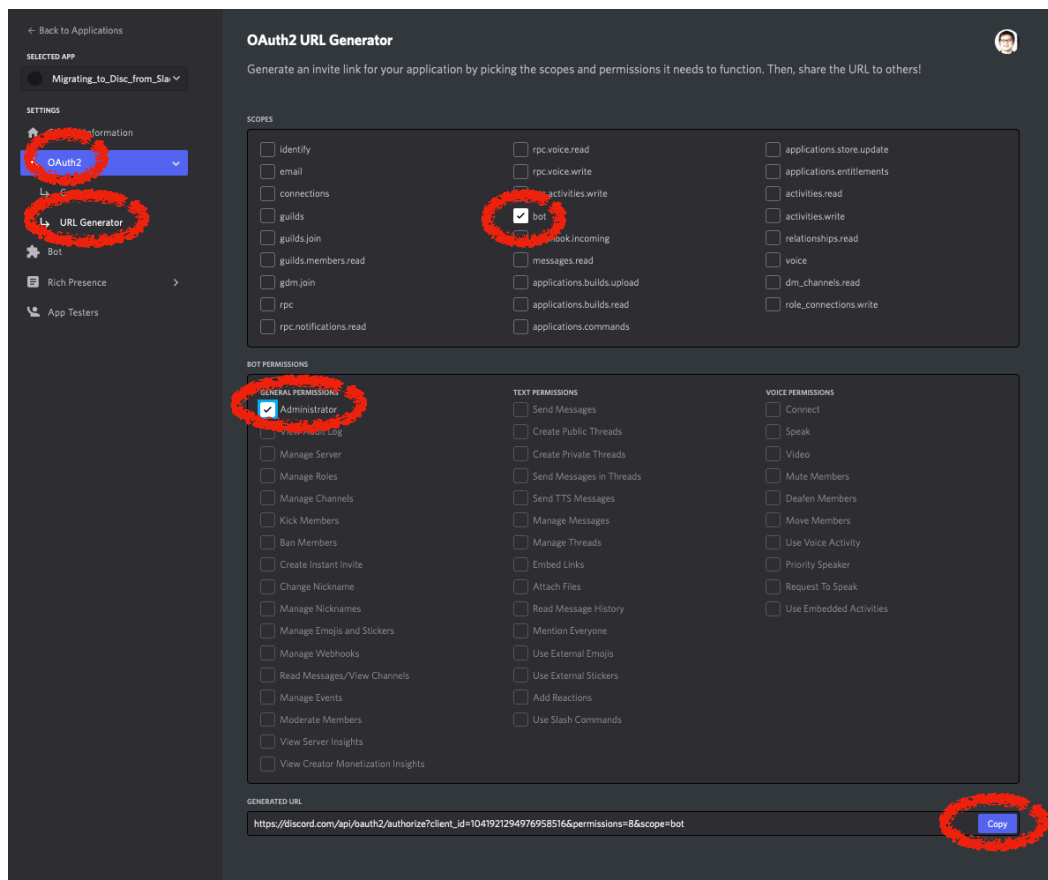
4. Public Bot off -> Reset Token



## 5. Copy the BOTTOKEN -> paste it to the clipboard

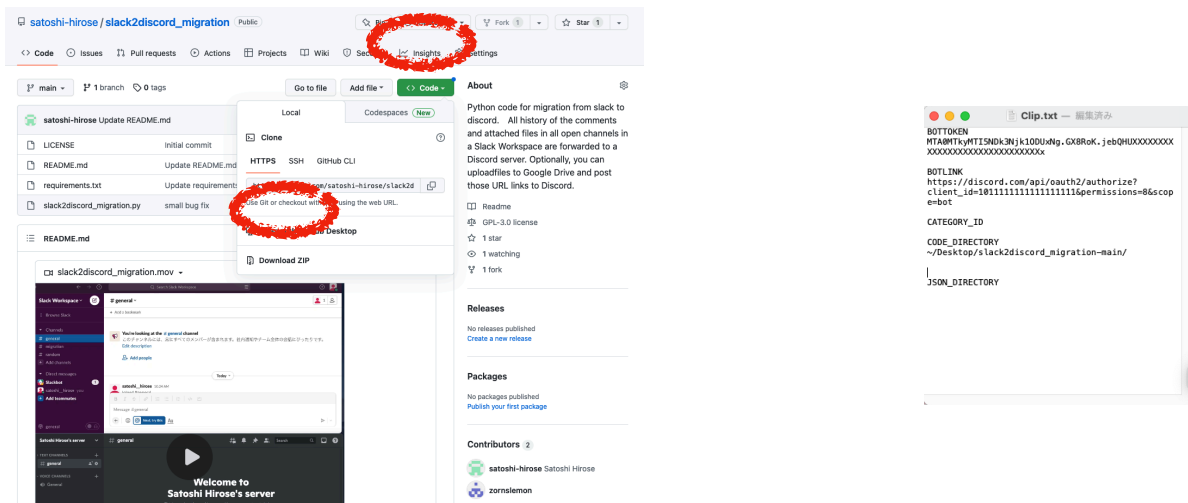


## 6. OAuth2->URL Generator -> bot -> Administrator -> Copy the link-> paste it to the clipboard

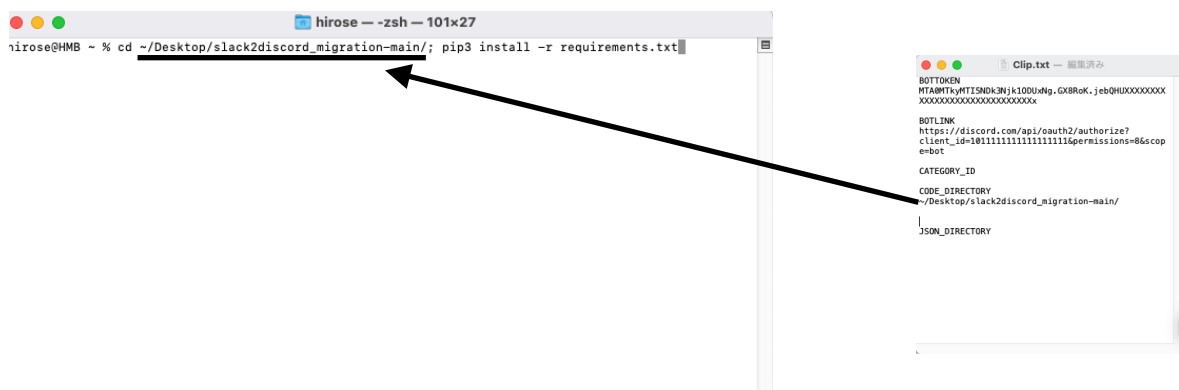


## pip (Terminal)

1, Download ZIP of this repository and unzip -> copy the path of the unzipped directory (CODE\_DIRECTORY)



2, in terminal, install requirements "cd CODE\_DIRECTORY; pip3 install -r requirements.txt"

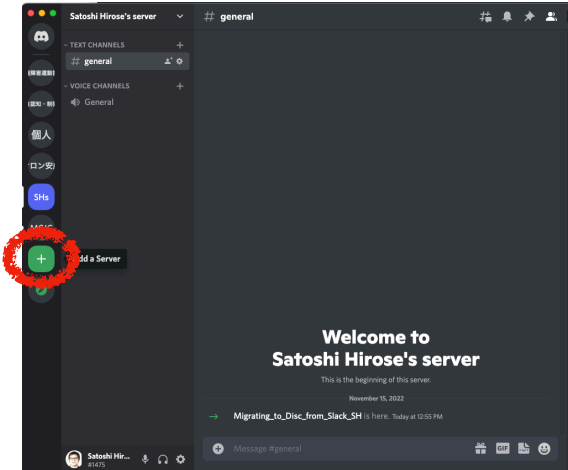


# Preparation for each server

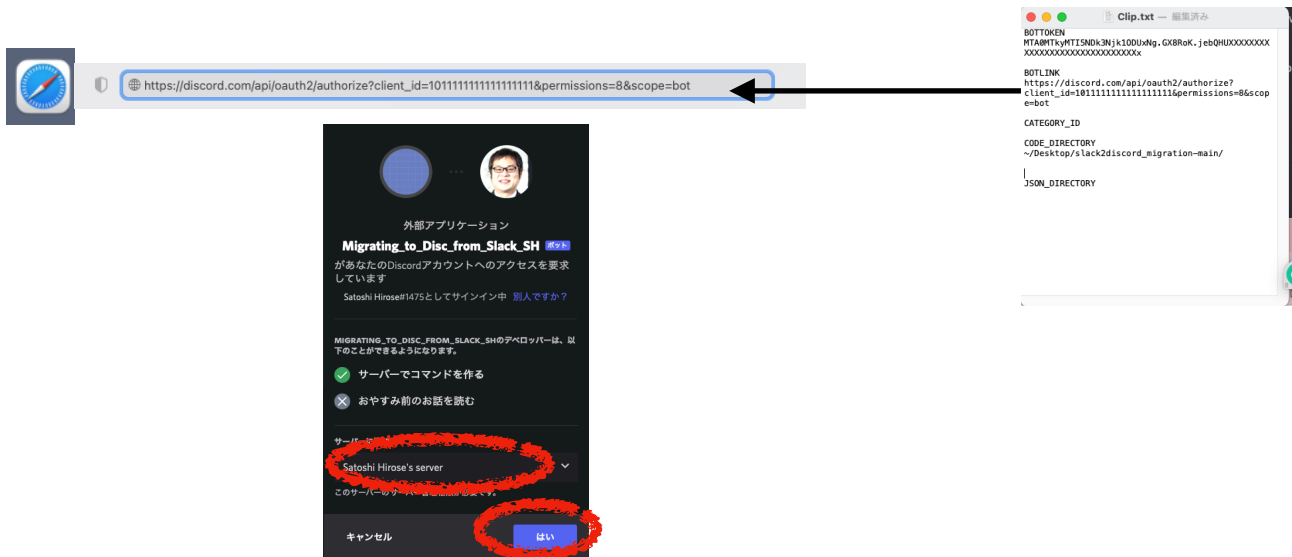
## Discord

### ADD THE BOT TO DISCORD SERVER

1. Create a new server in Discord or choose the target server, which you can admin.



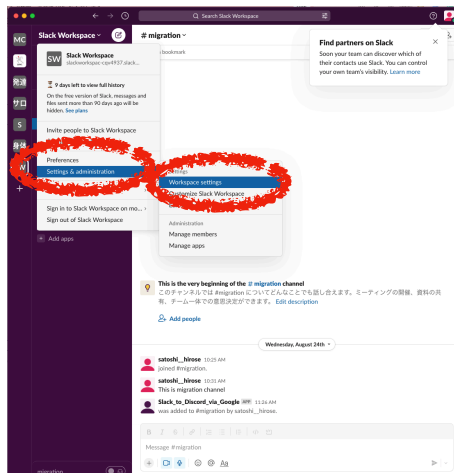
2. open the BOTLINK with web browser -> add to server -> certification



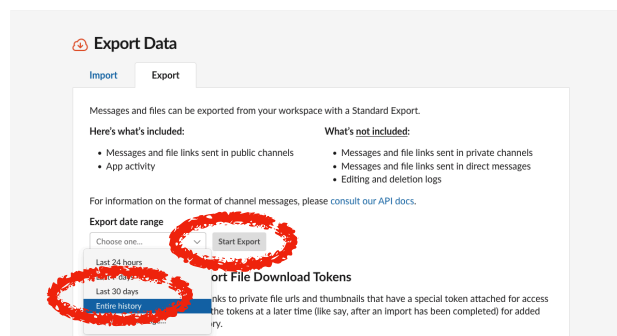
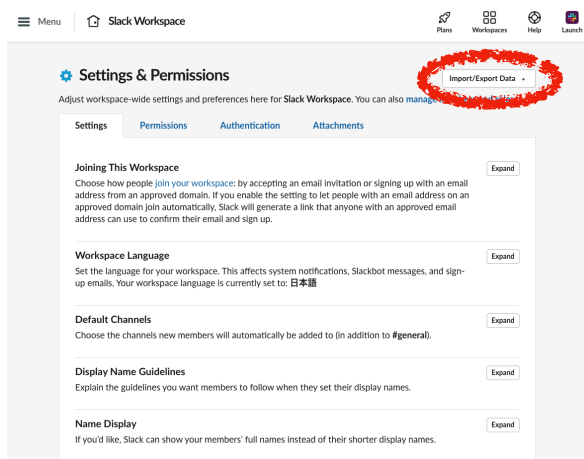
# Slack

## CREATE AND DOWNLOAD THE DATA (ADMIN RIGHT REQUIRED)

1, Left click the workspace name -> settings & administration -> workspace setting

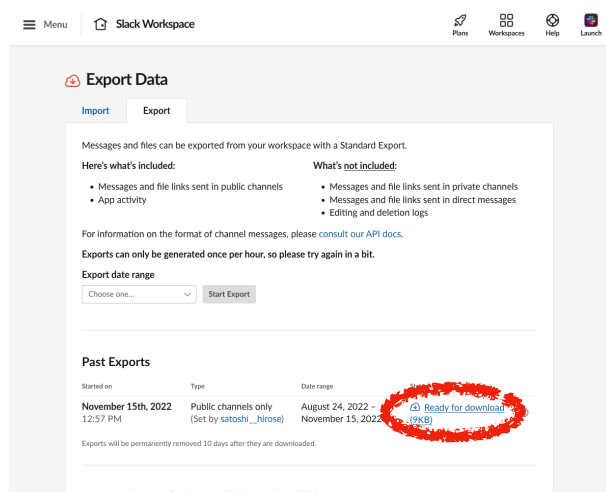


2, import/export data -> export -> Export date range "entire history" -> start export



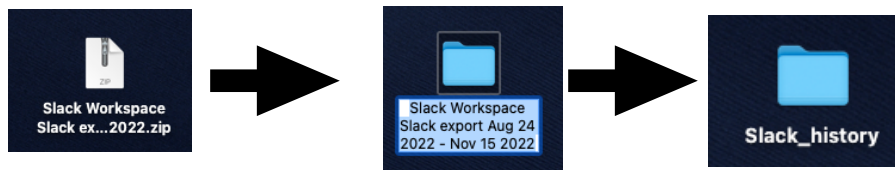
3, wait for a while (slackbot will announce finish)-> refresh the site (F5)

4, download the exports



5, unzip the downloaded file and find the directory include all JSON file with a name like "Slack Workspace Slack export Aug 24 2022 - Nov 15 2022"

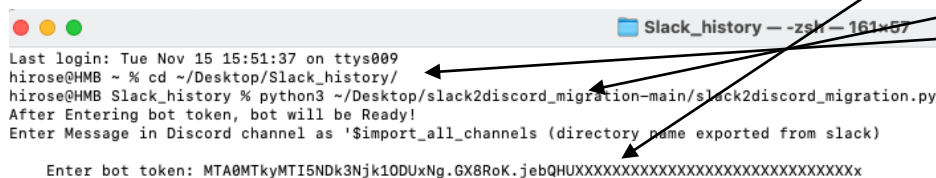
Rename the directory without spaces (JSON\_DIRECTORY)



# Run the script

python

- 1,[terminal] go to JSON\_DIRECTORY ("cd ~/Desktop/Slack\_history/")
- 2, type "python3 CODE\_DIRECTORY/slack2discord\_migration.py"
- 3, enter BOTTOKEN->press enter



```
Last login: Tue Nov 15 15:51:37 on ttys009
hirose@HMB ~ % cd ~/Desktop/Slack_history/
hirose@HMB Slack_history % python3 ~/Desktop/slack2discord_migration-main/slack2discord_migration.py
After Entering bot token, bot will be Ready!
Enter Message in Discord channel as '$import_all_channels (directory name exported from slack)

Enter bot token: MTA0MTkyMTI5NDk3Njk1ODUxNg.GX8RoK.jebQHUXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```



```
BOTTOKEN
MTA0MTkyMTI5NDk3Njk1ODUxNg.GX8RoK.jebQHUXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

BOTLINK
https://discord.com/api/oauth2/authorize?
client_id=101111111111111111&permissions=86&scope=bot

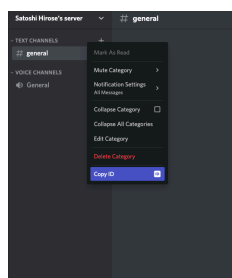
CATEGORY_ID

CODE_DIRECTORY
~/Desktop/slack2discord_migration-main/

JSON_DIRECTORY
~/Desktop/Slack_history/
```

## Discord

- 1, right-click "text channel" -> copy ID (CATEGORY\_ID)-> paste it to the clipboard



```
BOTTOKEN
MTA0MTkyMTI5NDk3Njk1ODUxNg.GX8RoK.jebQHUXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

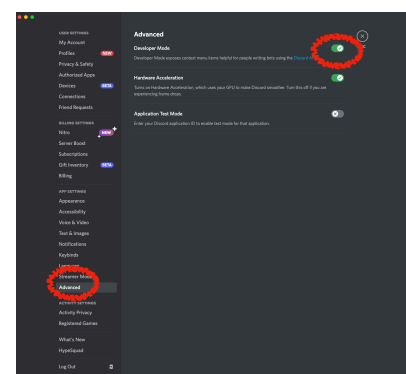
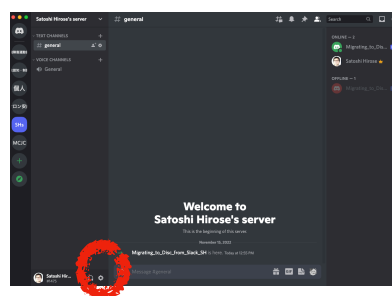
BOTLINK
https://discord.com/api/oauth2/authorize?
client_id=101111111111111111&permissions=86&scope=bot

CATEGORY_ID
1011809799723000000

CODE_DIRECTORY
~/Desktop/slack2discord_migration-main/

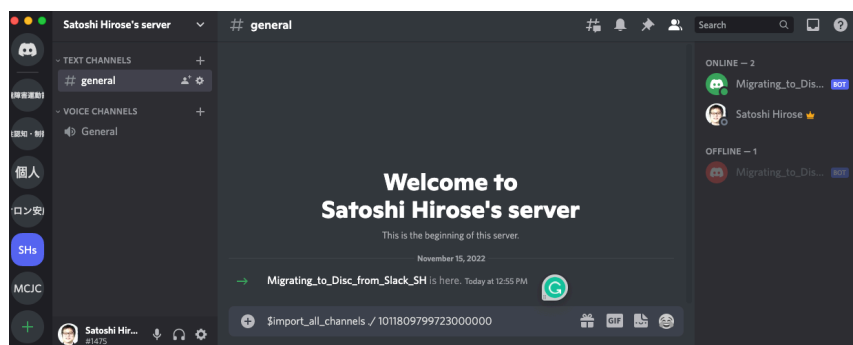
JSON_DIRECTORY
~/Desktop/Slack_history/
```

(if not found, user settings(⚙) -> advanced -> turn on developer mode)



- 2, in a text channel (e.g. general) in Discord, type "\$import\_all\_channels ./CATEGORY\_ID"

optionally, you can run without CATEGORY\_ID ("import\_all\_channels ./")



- 3, wait a while (about [number of comment] x 1 sec)





# SORRY! THE BELOW PAGES ARE UNDER CONSTRUCTION

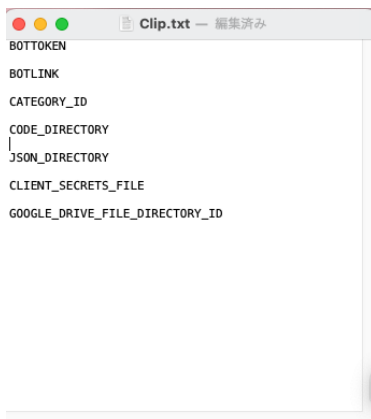
## 2. Upload files to Google Drive and post URL link to discord.

Rewrite Line 14 of slack2discord\_migration.py as “UPLOAD\_TO\_GOOGLE = True”



```
1 #!/usr/bin/env python3
2 # Author: Satoshi Hirose modified from Rocky Slavin's great work (https://github.com/rslavin/slack2discord)
3 # Slack message history importer for Discord: all channels are imported from Slack message history directory
4 import json
5 import os
6 import time
7 import requests
8 import discord
9 #ADDED on 8/22
10 import re
11 import mimetypes
12 import html
13
14 UPLOAD_TO_GOOGLE = True
15 if UPLOAD_TO_GOOGLE:
16     GOOGLE_DRIVE_DIR_ID = input("Enter Google Drive's Directory ID: ")
17     from pydrive.drive import GoogleDrive
18     from pydrive.auth import GoogleAuth
19     gauth = GoogleAuth()
```

prepare clipboard (textfile)



```
BOTTOKEN
BOTLINK
CATEGORY_ID
CODE_DIRECTORY
JSON_DIRECTORY
CLIENT_SECRETS_FILE
GOOGLE_DRIVE_FILE_DIRECTORY_ID
```

# Preparation

the same as above (PP. 2-4).

## Preparation for each server

in addition to above (PP. 5-8),

---

### Google Cloud Console

1. Go <https://console.cloud.google.com/home/dashboard> -> CREATE PROJECT
- 2.
- 3.
4. My First Project (or a project name you have created)-> New Project -> create (!  
remember your project name: PROJECT\_NAME)
  2. Go to APIs overview -> ENABLE APIS AND SERVICES -> search  
"Google Drive API" -> ENABLE
  3. CREATE CREDENTIALS (if not found, CREDENTIALS -> CREATE  
CREDENTIALS -> Help me choose)
  4. Google Drive API -> User data -> enter
  5. Scopes -> save and continue -> Application type "Desktop app" ->  
create -> DOWNLOAD -> done -> rename the downloaded file as  
"client\_secrets.json" (CLIENT\_SECRETS\_FILE)
  6. OAuth consent screen -> test user -> add users ->  
YOURGOOGLEACCOUNT@gmail.com -> save  
or PUBLISH APP

- Google Drive

- 1, Create a directory, where the attached files will be stored
- 2, Copy&Paste the directoryID to GOOGLE\_DRIVE\_FILE\_DIRECTORY\_ID  
of the clipboard.
- 3, Share the directory with "anyone with the link" as "Viewer"

# Run the script

python

- 1, put CLIENT\_SECRETS\_FILE in JSON\_DIRECTORY

- 2,[terminal] go to JSON\_DIRECTORY

- 3, type "python3 [slack2discord\_migration directory]/  
slack2discord\_migration.py"

- 4, enter GOOGLE\_DRIVE\_FILE\_DIRECTORY\_ID

- 3, enter BOTTOKEN

- Discord

- 1, right click "text channel" -> copy ID (CATEGORY\_ID) (if not found,  
user settings -> advanced -> turn on developer mode )

- 2, in a text channel (e.g. general) in Discord, type  
"\$import\_all\_channels ./ CATEGORY\_ID"

- 3, wait a while (about [number of comment] x 1 sec)

optionally, you can run without CATEGORY\_ID ("\$import\_all\_channels ./")