

Loom Automation - Google Drive to Loom Uploader

Overview

This project automates the process of downloading videos from Google Drive and uploading them to Loom. The tool provides a **Graphical User Interface (GUI)** for seamless video management and supports **Windows, macOS, and Linux**.

1. Prerequisites

Before setting up the program, ensure you have the following:

A. Install Python

You need Python, python **3.11.9** is preferred.

You can also download it from:

[Python 3.11.9 Official Download](#)

Windows: Run **python-3.11.9-amd64.exe**, ensuring you check “**Add Python to PATH**” during installation.

macOS:

- Open **Terminal** (Cmd + Space, type “Terminal”, and press **Enter**).
- If Python is not installed, install it using Homebrew:

```
brew install python
```

Linux (Debian-based like Ubuntu)

- Open a terminal (Ctrl + Alt + T) and install Python:

```
sudo apt update && sudo apt install python3 python3-pip
```

2. Setting Up Google Drive API & Service Account

To allow this program to access your **Google Drive videos**, you need to create a **Service Account** and enable the **Google Drive API**.

Step 1: Enable Google Drive API

1. Go to the **Google Cloud Console**:
Google Cloud Console
2. Create a new project (or select an existing one).
3. Navigate to **APIs & Services > Library**.
4. Search for **Google Drive API**, click it, and enable it.

Step 2: Create a Service Account

1. Go to **APIs & Services > Credentials**.
2. Click **Create Credentials > Service Account**.
3. Fill in details and click **Create**.
4. In the **Service Account details**, click **Manage Keys**.
5. Click **Add Key > Create new key**.
6. Select **JSON** and download the file.
7. Place the downloaded file in the program folder (You will be asked to select it)

Important: This file contains sensitive credentials. Keep it safe and do not share it.

Step 3: Share Google Drive Folder with Service Account

1. Open **Google Drive**.
2. Right-click the folder containing your videos.
3. Click **“Share”**.
4. Copy the **email address** of your Service Account from the JSON file.
5. Paste it into the **Share with people and groups** field.
6. Set permission to **Viewer** or **Editor**.

Step 4: Get Google Drive Folder ID

1. Open the **Google Drive** folder.
2. Copy the **last part** of the URL after **/folders/**:

`https://drive.google.com/drive/folders/**1ABcD1234xyz56789**`

The bold part (**1ABcD1234xyz56789**) is your **Folder ID**.

3. Setting Up the Project

Windows:

1. Right click on **build_windows.bat**
2. Click Run as Administrator

macOS / Linux: Double click on **build_mac.command**

This file will: Install required dependencies (including Playwright)
Generate an executable file (**LoomAutomation**)

After completion, the **executable** will be in the same folder.

4. Using the Program

Run the generated executable (**LoomAutomation.exe** on Windows or **./LoomAutomation** on macOS/Linux).

Main Features & Buttons

Button	Functionality
Login	Opens a browser where you manually log in to Loom. Saves login cookies for automation (You only have to do this at least once).
Logout	Deletes stored login data (cookies) and configuration.
Download	Downloads videos from your Google Drive folder.
Upload	Uploads downloaded videos to Loom.
Download & Upload	Runs both Download and Upload processes automatically.
Rename Selected	Allows renaming a selected video before uploading it.

Steps to Upload Videos

1. Specify Folder ID
2. Select the Google Service Account config file (Json)
3. Specify the workspace URL (Loom Workspace on which you wish the videos to be uploaded)
4. **Login** to Loom (Only if not already logged in from before).
5. **Download** videos from Google Drive.
6. Rename selected videos if needed (Optional)
7. **Upload** them to Loom.
8. Or try the Download & Upload option (You will not be able to rename files using this option)
9. The uploaded video details (title, link, embed code) are saved in an Excel file.

5. Troubleshooting

A. “No module named ‘playwright’” Error

Run:

```
python -m pip install -r requirements.txt
```

B. “Could not find a version that satisfies the requirement tkinter”

- **Windows:** Tkinter comes pre-installed with Python.
- **macOS/Linux:** Install it using:

```
sudo apt install python3-tk  # Ubuntu/Debian  
brew install python-tk      # macOS (with Homebrew)
```

C. Loom Login Doesn’t Work

- Make sure your cookies are saved after logging in.
 - Try **Logout**, then **Login** again.
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6. Contributing

Feel free to contribute by: - Reporting issues - Suggesting improvements - Creating pull requests

Enjoy automating your Google Drive to Loom workflow!