

GoogleDrive Cloner

Server-to-Server automated data Clone with zero local internet data consumption.

● **Technical Documentation: GoogleDrive Cloner**

This documentation provides a comprehensive guide for the **GoogleDrive Cloner**, a high-performance web utility designed for server-to-server data migration within the Google Drive ecosystem.

1. Project Overview

The GoogleDrive Cloner leverages the Google Drive V3 API to perform "Cloud-to-Cloud" transfers. Unlike traditional methods that download files to your device before re-uploading them, this tool sends a "Copy" instruction directly to Google's data centers.

- Host Domain: tekox.online/copydrive
- Developer: Riaz Hussain
- Technologies: HTML5, Tailwind CSS, JavaScript (ES6+), Google Discovery Service (GAPI), Google Identity Services (GIS).

2. Core Features

Zero Data Consumption: Operations occur on Google's infrastructure. Your local internet is only used to send small JSON commands.

Automated Recursion: The tool deep-scans folders and recreates the entire directory structure in the target location.

Smart ID Extraction: Users can paste full URLs; the tool automatically extracts the unique alphanumeric ID required for the API.

Batch Renaming: Supports global prefixes and "Find & Replace" logic during the copy process.

Shared Drive Support: Fully compatible with personal drives and Google Workspace Shared (Team) Drives.

3. Operational Guide

Step 1: Authentication

Click Connect Google Account. This initiates an OAuth 2.0 flow. You must grant the application permission to access your Drive. If the app is unverified, click **Advanced > Go to tekox.online (unsafe)**.

Step 2: Source & Target Input

Source: The folder or file you wish to copy.

Target: The destination folder.

Tip: Use the word **root** in the target box to copy items directly to your main Drive home.

Step 3: Renaming Rules (Optional)

Prefix: Text added to the start of every file name.

Find/Replace: Useful for changing dates (e.g., "2024" to "2025") across hundreds of files simultaneously.

Step 4: Execution

Click Execute Drive Clone. Monitor the Process Logs for real-time status updates on every file being moved.

4. Troubleshooting (The Knowledge Base)

Error 403: Forbidden (Insufficient Permissions)

- **Cause:** The logged-in account does not have "Editor" access to the Target folder.
- **Fix:** Ensure you own the destination folder or have been granted Editor rights.

Error 404: File Not Found

- **Cause:** The Source ID is incorrect or the folder is not shared.
- **Fix:** Ensure the source is set to "Anyone with the link can view."

5. Limits & Usage Quotas

Limit Type	Threshold	Consequence of Breach
Daily Copy Limit	750 GB per 24 hours	Operations will pause with a "Quota Exceeded" error until the reset.
Queries / Second	~10 to 20 requests	The API will return a "429 Too Many Requests" error.
Individual File Size	5 TB	The specific file copy will fail (exceeds single-file limit).
Drive Item Limit	500,000 items	Migration will fail if the target Shared Drive exceeds this count.

6. Security Architecture

The tool operates on a Client-Side Only model.

- **No Database:** Your Google tokens are never stored on a server.
- **Session-Based:** Refreshing the page immediately clears all access tokens from memory.
- **Official API:** All transfers are handled by Google's verified [gapi](#) libraries.

⚡ Powered by: *Riaz Hussain*

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