

Here's a **completely new real-world implementation** for **Zapier Webhooks**, using APIs

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## ✓ Scenario Overview

- **Trigger: Dropbox → Zapier** when a new file is uploaded (via Dropbox webhook hitting Zapier).
  - **Action:** Zapier sends a **POST** request to **Google Drive API** to create a folder and upload metadata (using Webhooks by Zapier as Action).
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## 1. Webhook as Trigger — Dropbox → Zapier

Dropbox sends webhooks for file changes to a specified URL. We'll use Zapier's **Catch Raw Hook** to receive these events.

### Steps:

1. **Create Zap Trigger**
    - App: **Webhooks by Zapier**
    - Event: **Catch Raw Hook**
    - Copy the Zapier webhook URL.
  2. **Configure Dropbox Webhook**
    - In your Dropbox app settings, set the webhook URL to Zapier's URL.
    - Dropbox will send a POST with JSON like:
    - Dropbox also sends a **challenge GET** request for verification when registering the webhook.
  3. **Security**
    - Validate Dropbox's webhook by responding with the challenge parameter during GET verification.
    - For POST events, verify the request came from Dropbox by checking headers and optionally using app secret.
  4. **Zapier Processing**
    - Add a **Code by Zapier** step to parse the JSON and extract file info using Dropbox API (via another step or custom code).
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## 2. Webhook as Action — Zapier → Google Drive API

When a new file is detected, Zapier will **POST** to Google Drive API to create a folder or upload metadata.

## Steps:

### 1. Add Action

- App: **Webhooks by Zapier**
- Event: **POST**
- URL: <https://www.googleapis.com/drive/v3/files>
- Headers:
- Payload:

### 2. Optional Upload Metadata

- Use another POST to update file properties or permissions.
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## Real API Details

- **Dropbox Webhooks:** Sends notifications for file changes; requires responding to challenge for verification.
  - **Google Drive API:** POST /drive/v3/files creates folders or files; requires OAuth token and correct scopes.
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## ✓ End-to-End Flow

- **Dropbox** → Zapier Catch Raw Hook → Parse event → **Zapier Webhooks POST** → Google Drive API → Folder created for new file.
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## 🔗 Best Practices

- Validate Dropbox webhook challenge.
- Use OAuth for Google Drive API.
- Handle retries and idempotency (Dropbox may send duplicate notifications).