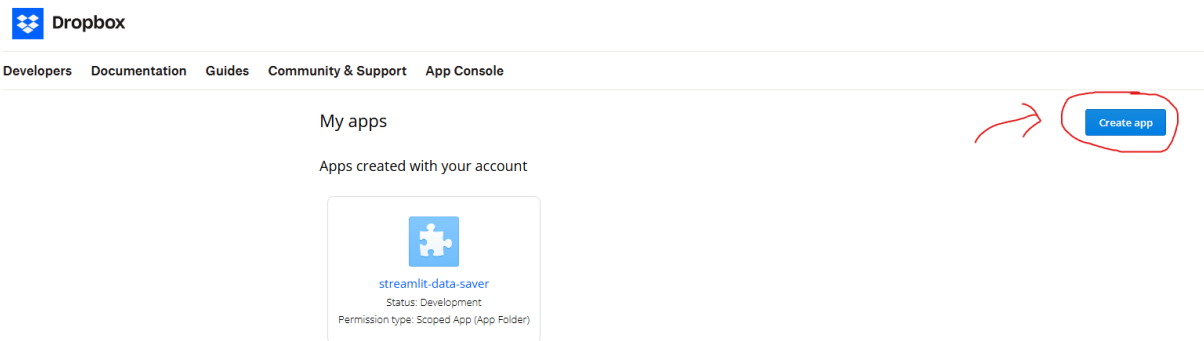**📦 How to Set Up Your Own Dropbox App and Token for Streamlit Protocol Tracker**
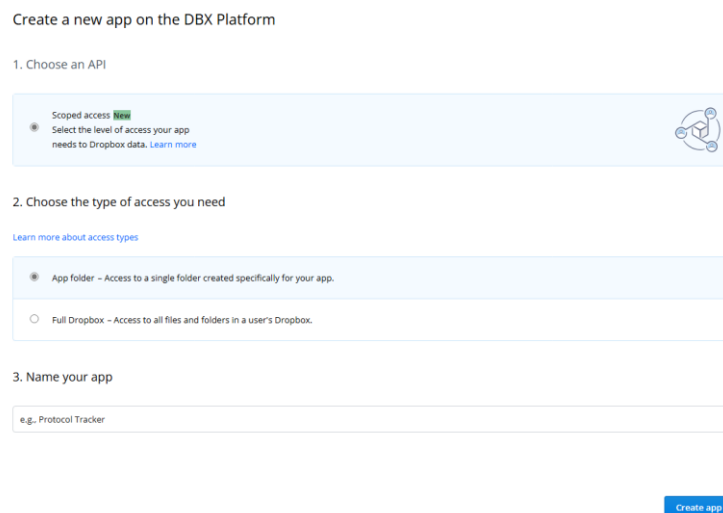
This tutorial walks you through creating a Dropbox app and generating an access token to use with your Streamlit-based protocol tracker.

✅ Step 1: Create a Dropbox Developer App

1. Visit the Dropbox App Console:
   https://www.dropbox.com/developers/apps

2. Click **"Create app"**

3. Configure your app:

   o Choose: **Scoped access**

   o Choose: **App folder**
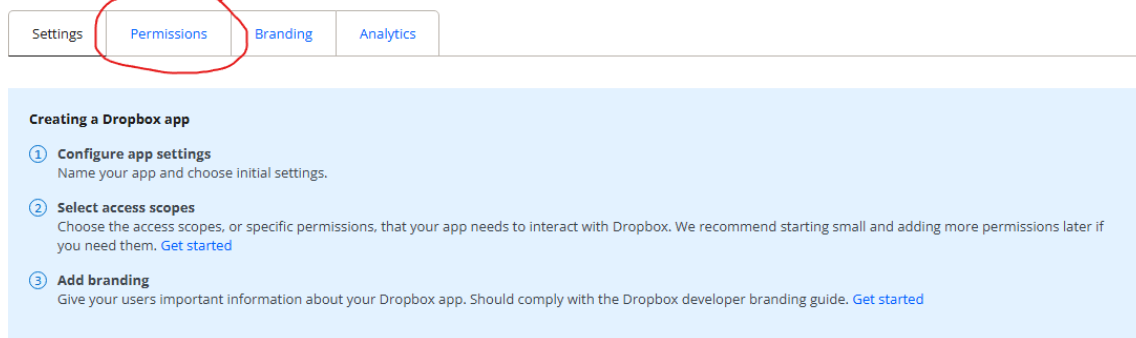
   o Name your app (e.g., MyProtocolTracker)

4. Click **"Create app"** at the bottom.

✅ Step 2: Enable Required Permissions (Scopes)

1. Go to the **Permissions** tab

e.g., Protocol Tracker

Settings	Permissions	Branding	Analytics

Creating a Dropbox app

① **Configure app settings**
Name your app and choose initial settings.

② **Select access scopes**
Choose the access scopes, or specific permissions, that your app needs to interact with Dropbox. We recommend starting small and adding more permissions later if you need them. Get started

③ **Add branding**
Give your users important information about your Dropbox app. Should comply with the Dropbox developer branding guide. Get started

2. Enable these scopes:

   o files.content.write

   o files.content.read

Account Info
Permissions that allow your app to view and manage Dropbox account info

☐ account_info.write   View and edit basic information about your Dropbox account such as your profile photo

☑ account_info.read   View basic information about your Dropbox account such as your username, email, and country

Files and folders
Permissions that allow your app to view and manage files and folders

☐ files.metadata.write   View and edit information about your Dropbox files and folders

☐ files.metadata.read   View information about your Dropbox files and folders

☑ files.content.write   Edit content of your Dropbox files and folders

☑ files.content.read   View content of your Dropbox files and folders

Collaboration
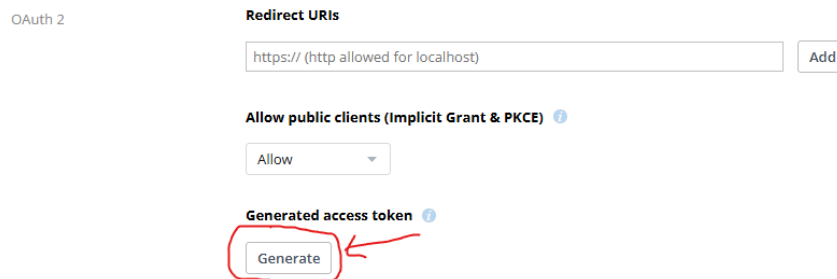Permissions that allow your app to view and manage sharing and collaboration settings

☐ sharing.write   View and manage your Dropbox sharing settings and collaborators

☐ sharing.read   View your Dropbox sharing settings and collaborators

☐ file_requests.write   View and manage your Dropbox file requests

☐ file_requests.read   View your Dropbox file requests

☐ contacts.write   View and manage your manually added Dropbox contacts

☐ contacts.read   View your manually added Dropbox contacts

3. Click **Submit** to save changes

✅ Step 3: Generate an Access Token

1. Go to the **OAuth 2** tab

2. Scroll down to **Access token generation**
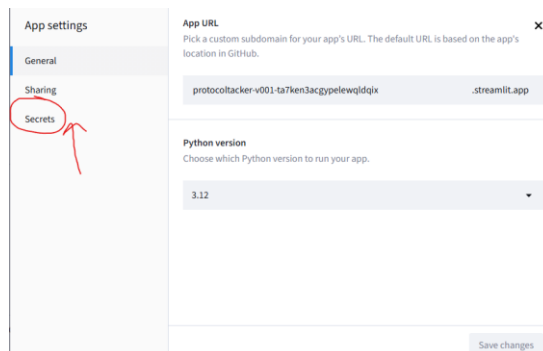
3. Click **"Generate"** to create a short-lived token

4. Copy the generated token

✅ Step 4: Add Token to Streamlit Secrets

🔒 For Streamlit Cloud

1. Go to https://share.streamlit.io

2. Open your deployed app → ⚙ Manage App → Secrets

3. Add:

[dropbox]

access_token = "YOUR_GENERATED_TOKEN_HERE"

4. Click **Save**

✅ You're all set! Your app can now read and write to a secure Dropbox folder.

Let your users know to regenerate the token if it expires, or to configure a refresh token setup if using long-term access.