

Enabling Client Credentials Grant for Box APIs

The **Client Credentials Grant** is a flow that allows secure server-to-server authentication without user intervention. This method is commonly used in applications that require automated access to Box resources.

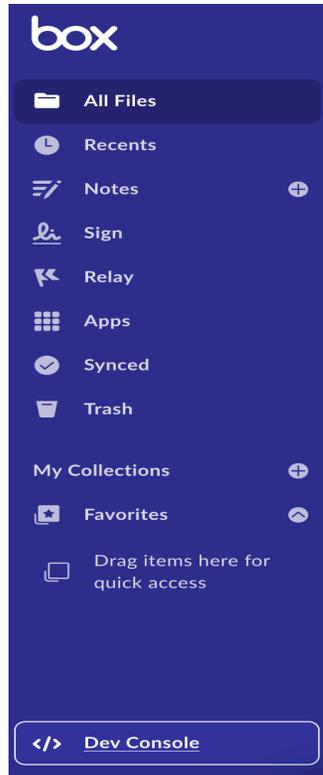
Prerequisites

- A Box account with administrative privileges.
 - Access to the [Box Developer Console](#) to register an application.
 - **Enterprise Admin** permissions for configuring application scopes.
-

Step-by-Step Process

1. Create a New Box App

- **Log in to the Box Developer Console**
Go to Box Developer Console and log in with your Box credentials.



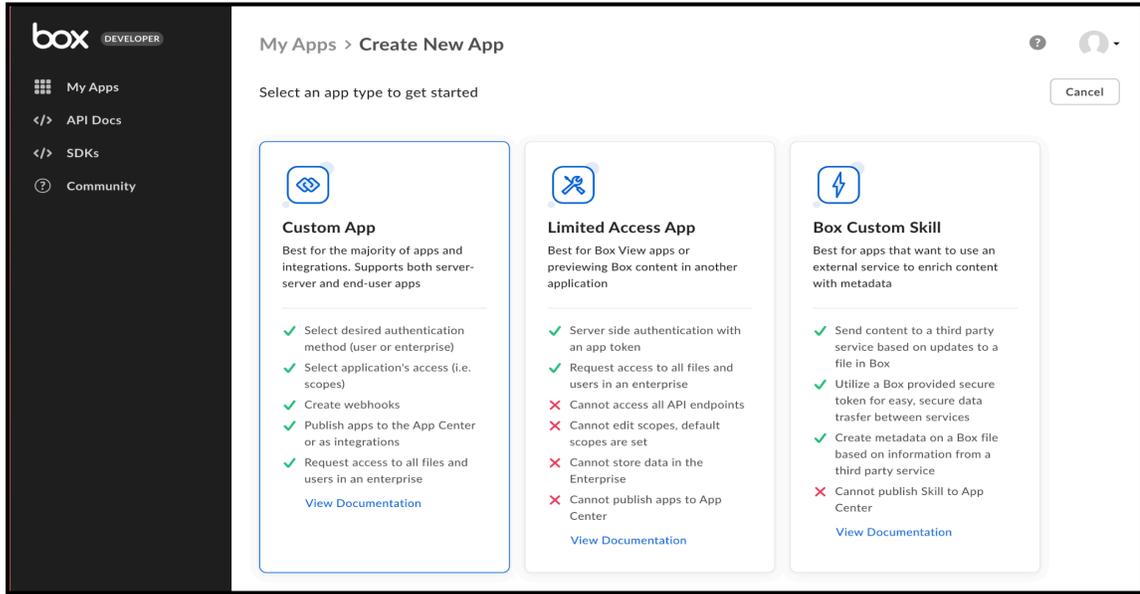
- **Create a New App**

Once logged in, click on the **Create New App** button.

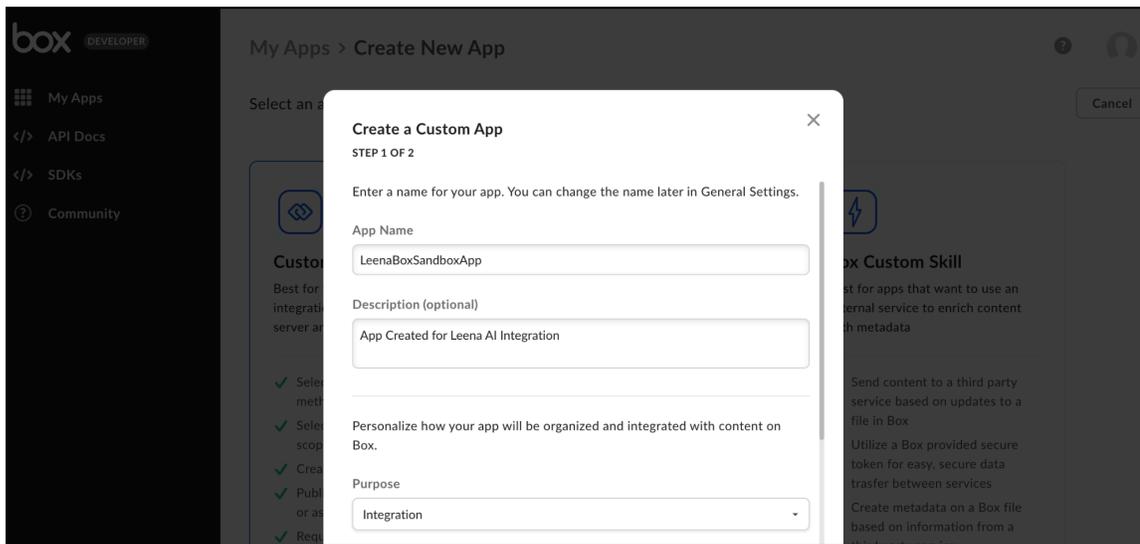


- **Select "Custom App"**

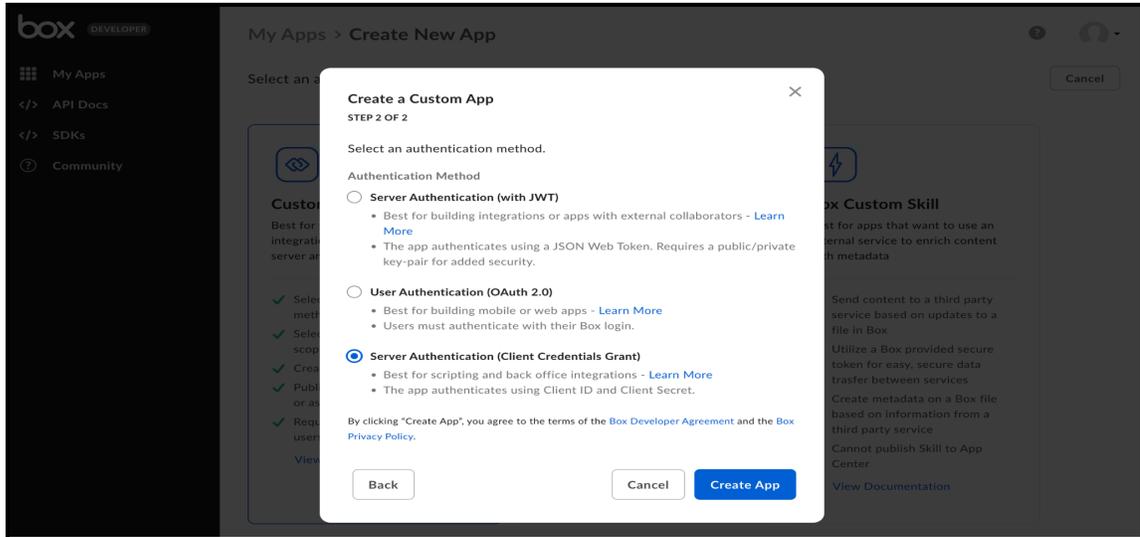
In the list of app types, choose **Custom App**.



- **Name Your App**
Provide a name for your app, then click Next.



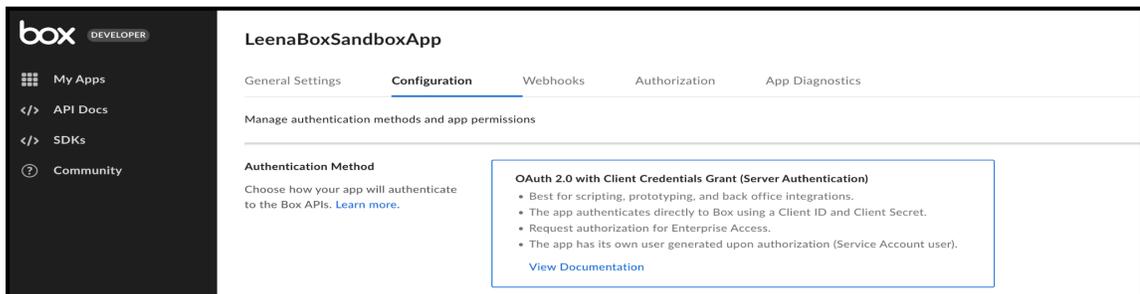
- **Select "Server Authentication (Client Credentials Grant)"**
After selecting the custom app, choose **Server Authentication (Client Credentials Grant)** for the authentication method. This is specifically for server-to-server authentication.



2. Configure Application Scopes and Permissions

- **Go to the "Configuration" Tab**

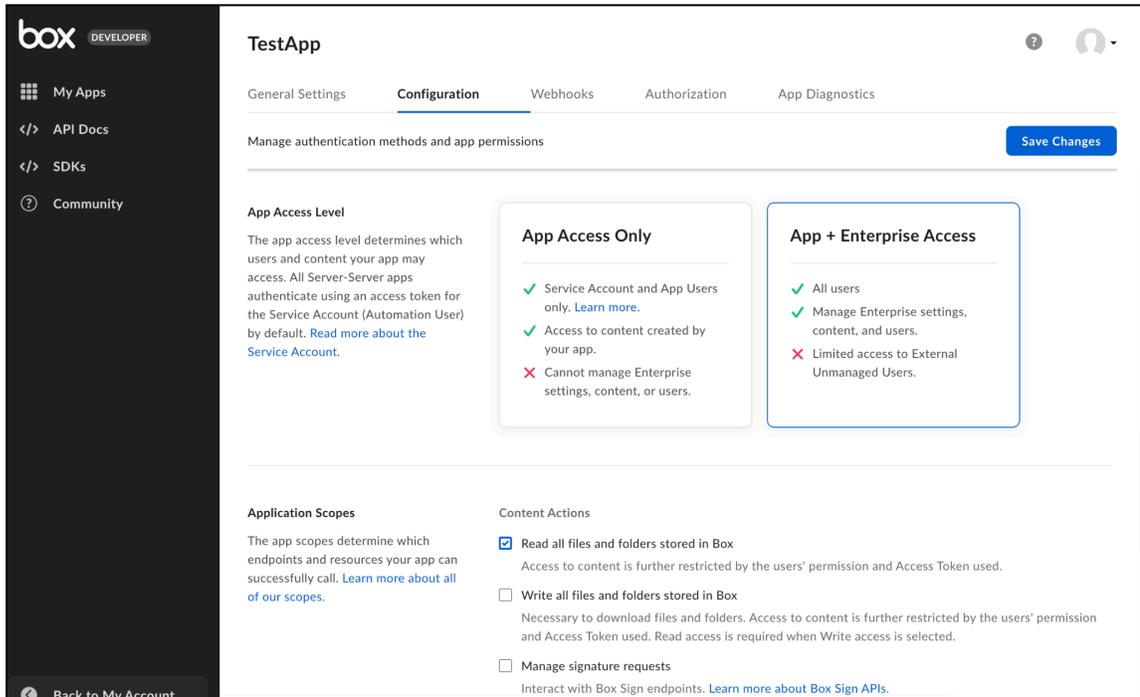
Once your app is created, you will be directed to the app's overview page. Navigate to the **Configuration** tab.



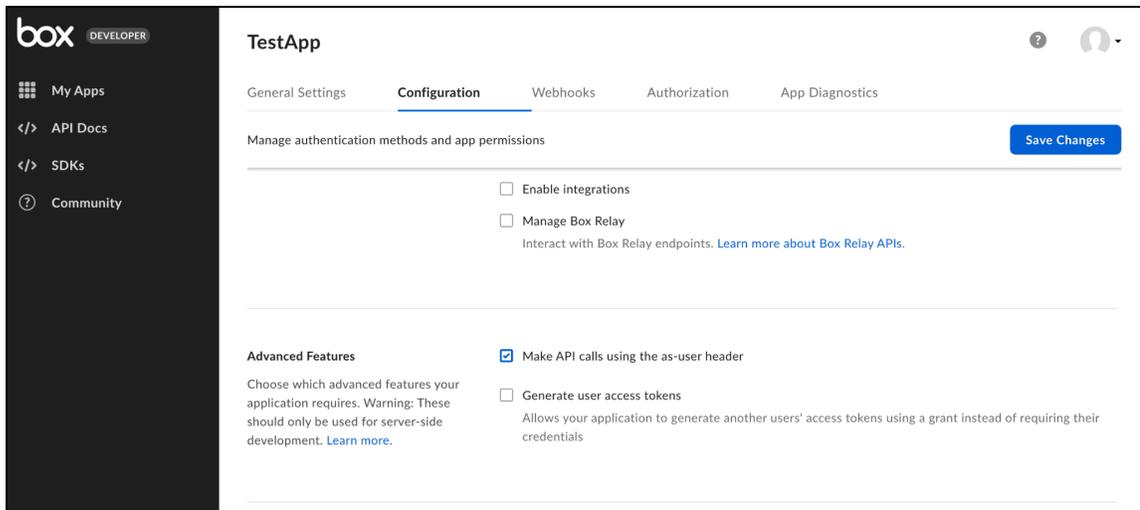
- **Set Application Scopes**

Scroll down to the **Application Scopes** section and enable the required scopes such as:

- **Read all files and folders stored in Box**



- These scopes allow your app to access Box data.
- **Add Enterprise Permissions**
Scroll further down to find **Advanced Features**. Enable **Perform Actions as Users**.



- **Save Changes**
After setting all the necessary scopes, click **Save Changes** at the bottom.

3. Generate the Client ID and Secret

- **Client ID and Client Secret**
Under the **Configuration** tab, you will find your app's **Client ID** and **Client Secret**.

These will be needed for OAuth authentication.

OAuth 2.0 Credentials	Client ID
Credentials for using OAuth 2.0 as your Authentication type.	szw1jv23uw88ihk78qr1u0w3jsoi7pp1 COPY
	Client Secret
 COPY

- **Copy these credentials** and store them securely, as the Client Secret will only be displayed once.

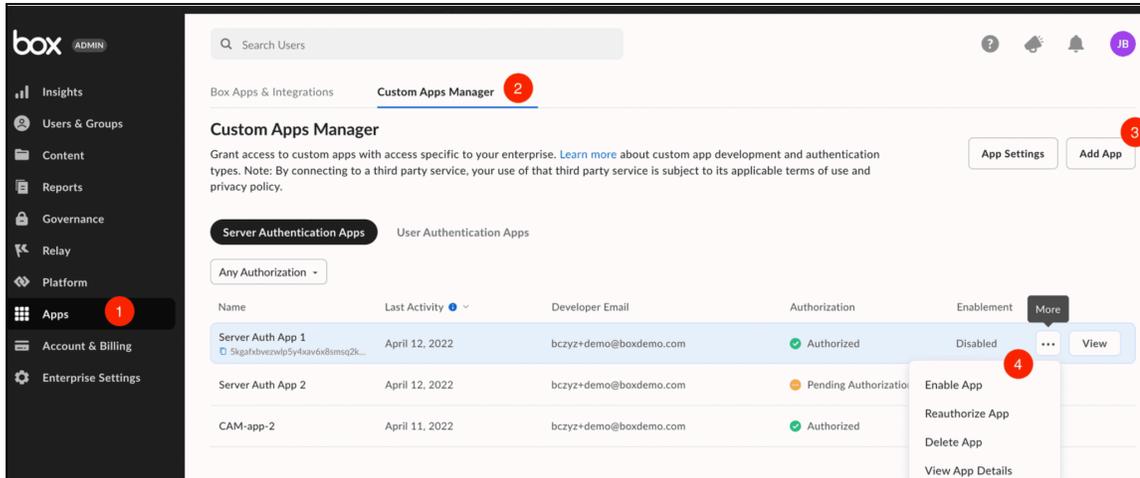
4. App Authorization

- Before the application can be used, a **Box Admin** needs to authorize the application within the **Box Admin Console**.
- Navigate to the **Authorization** tab for your application within the [Developer Console](#).
- Click **Review and Submit** to send an email to your Box enterprise Admin for approval.

General Settings	Configuration	Webhooks	Authorization
Submit and manage your app's admin authorization			
Submit app for authorization for access to the Enterprise	Review and Submit		
Submit your app for approval based on the access requested. Your admin will receive an email of the request. You will receive an email once the request is approved or denied.	You must re-submit your app if any changes are made after submission		

5. Authorize the App in the Box Admin Console

- **Go to the Box Admin Console**
Log in to the Box Admin Console and navigate to **Enterprise Settings**.
- **Go to the Apps Tab**
Within **Enterprise Settings**, go to the **Apps** tab.
- **Authorize the App**
Scroll down to find the **Custom Apps** section and authorize your newly created app using the Client ID.



6. Authenticate Using Client Credentials

- **Use the Box API**

With the **Client ID** and **Client Secret**, you can now authenticate using the Client Credentials Grant in Box. You'll need to send a POST request to the Box API's token endpoint (<https://api.box.com/oauth2/token>) to obtain an access token.

Sample Request:

```
Unset
curl -X POST "https://api.box.com/oauth2/token" \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "grant_type=client_credentials" \
-d "client_id=YOUR_CLIENT_ID" \
-d "client_secret=YOUR_CLIENT_SECRET" \
-d "box_subject_type=enterprise" \
-d "box_subject_id=YOUR_ENTERPRISE_ID"
```

Share Client ID, Client Secret and Enterprise ID with Leena AI for enabling Box Integrations.