

Accessing Gmail with Google Sign-In Using Exponent API[®] CloudMail[™]

OVERVIEW

Sign In With Google helps you to quickly and easily manage user authentication when accessing Gmail via Exponent API's CloudMail collection tool. Users sign into a Google Account, provide their consent, and securely share their profile information with Exponent API.

For clarity and brevity purposes, references to **Exponent API** are meant to inclusively and specifically refer to the **CloudMail** module within the library.

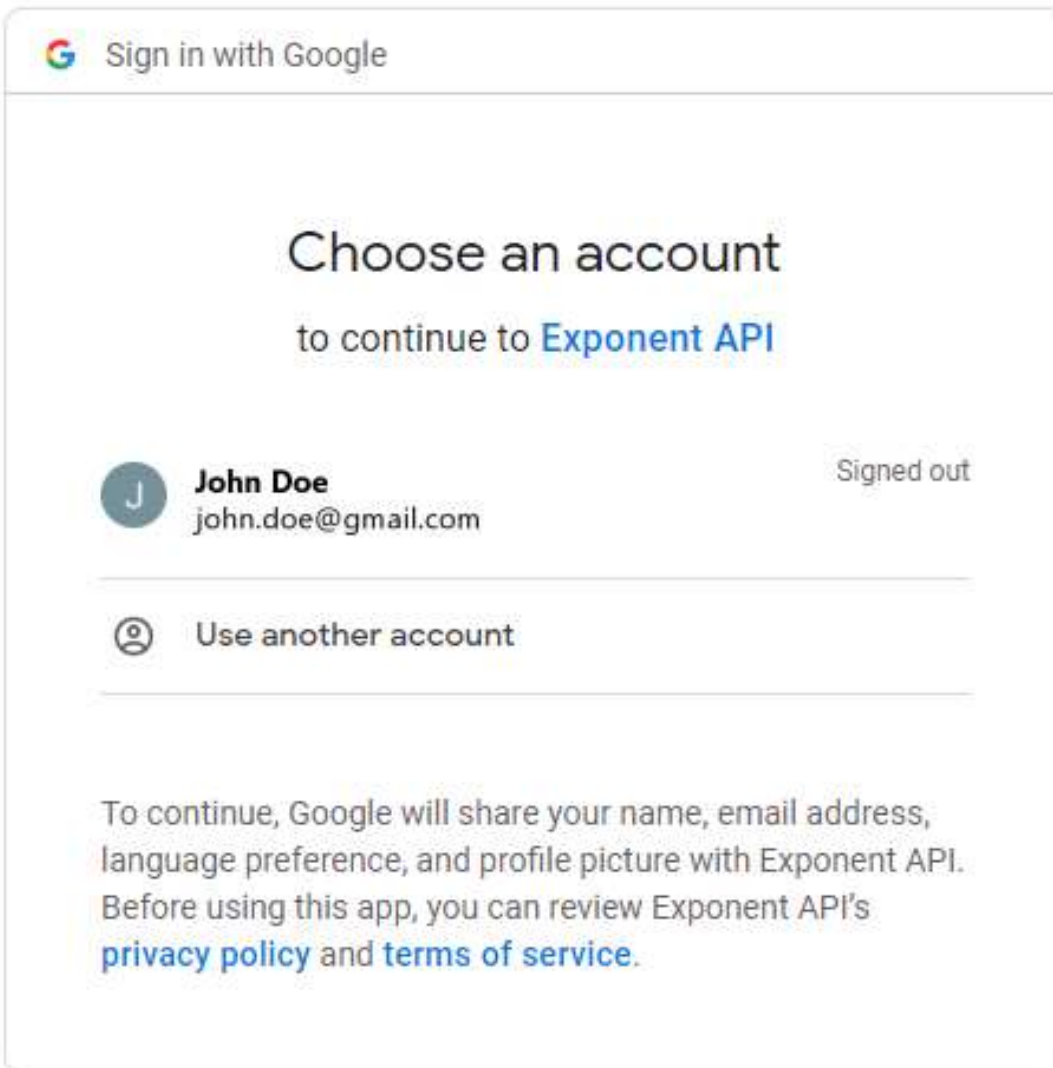
This process involves three steps:

1. Exponent API will attempt to connect to Google's IMAP server using the credentials your provide (namely, a username and password). A username in this context is a valid Gmail account (e.g., somebody@gmail.com).
2. During the connection attempt, Google will prompt you to check a box to allow Exponent API to access the Gmail account information. Specifically, you will need to grant permission so that the emails can be accessed, examined and downloaded. In this step, once you check the permissions box, an Authorization URL will be generated.
3. The Authorization URL provided in step #2 must then be provided to Exponent API (via Copy and Paste) so that a request can be made to Google for "Access Tokens". Once the tokens are granted, then Exponent API can proceed to access the Gmail account.

THE PROCESS (ANIMATED)

STEP 1(a)

In this step, you **MUST** choose the same Gmail account (username) as the one you entered into the Exponent API's **Host Connection Settings**. If the Gmail account entered does not appear in the list below, you will have to use the "Use another account" to log in.



English (United States) ▼

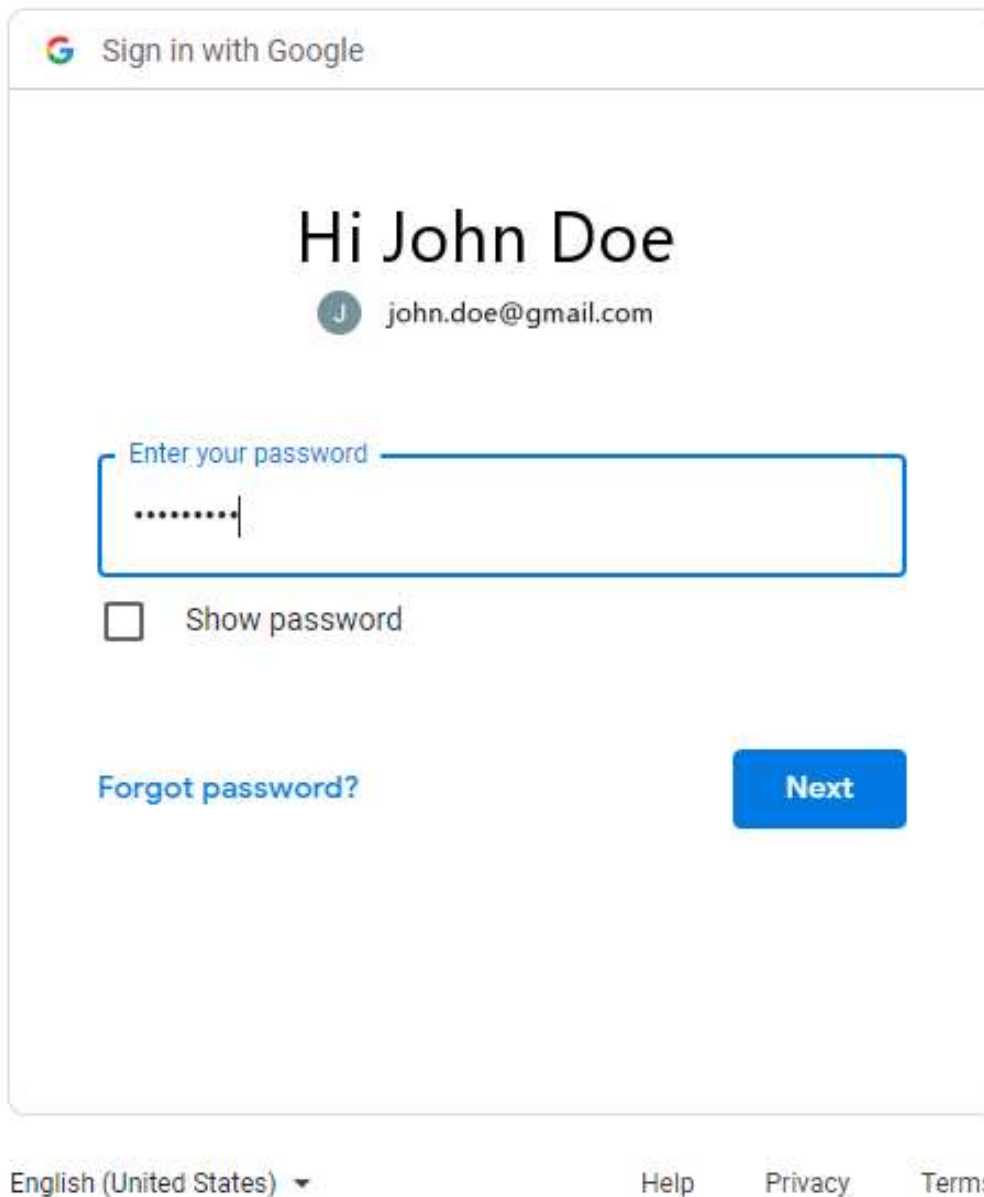
Help

Privacy

Terms

STEP 1(b)

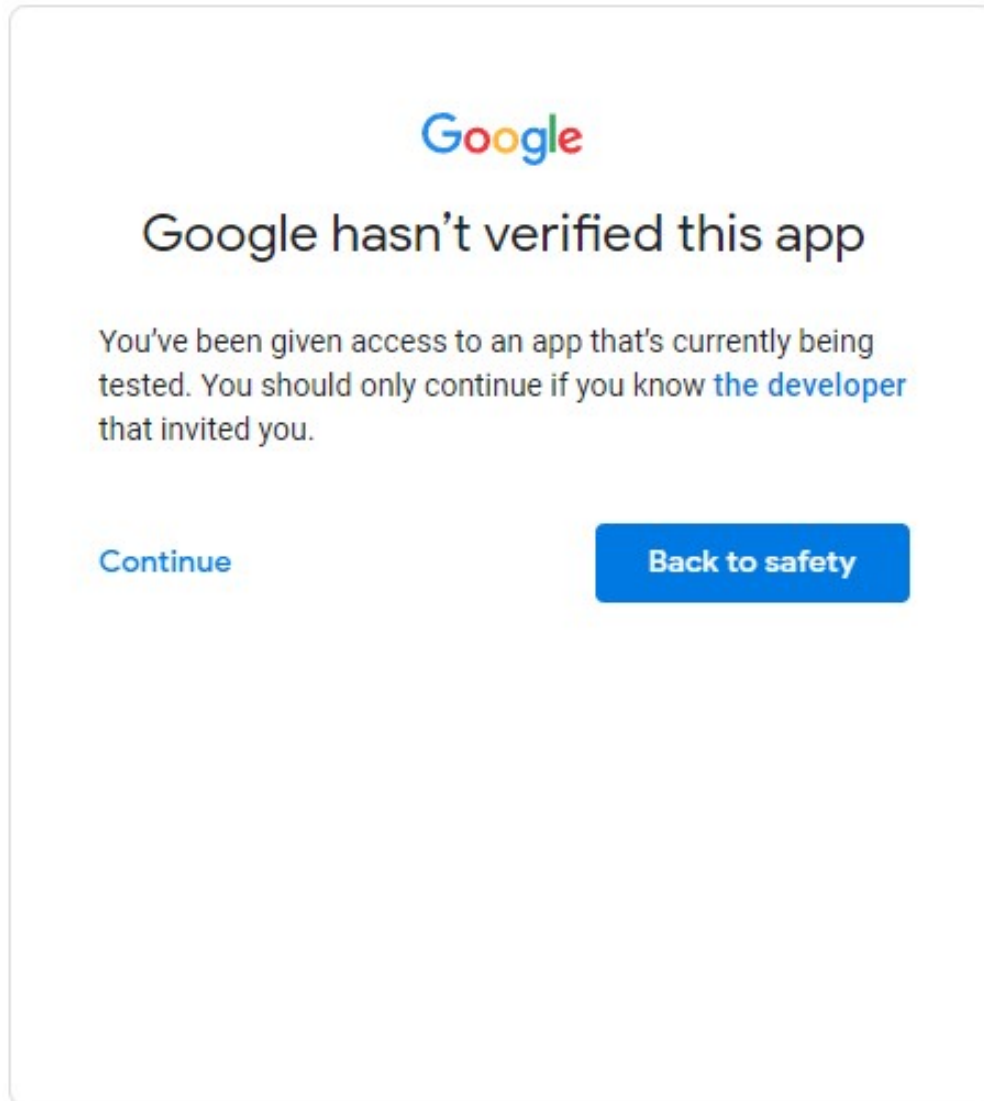
Here, you need to sign-in to the Gmail account (username) entered into Exponent API's **Host Connection Settings**.



The screenshot shows a Google sign-in window. At the top left is the Google logo and the text "Sign in with Google". The main heading is "Hi John Doe" with a profile icon and the email address "john.doe@gmail.com". Below this is a password input field with the placeholder text "Enter your password" and a series of dots representing the password. To the left of the password field is a checkbox labeled "Show password". At the bottom left is a link for "Forgot password?". At the bottom right is a blue button labeled "Next". At the very bottom of the window, there are links for "English (United States)", "Help", "Privacy", and "Terms".

STEP 1(c)

If you are using an early pre-release version of Exponent API you will need to select the **Continue** hyperlink as shown below in order to move forward with the sign-in process.



English (United States) ▼

Help

Privacy

Terms

STEP 2(a)


The next step requires you to grant permission to Exponent API so that access can be granted to the Gmail account and it's contents.

You will have to click on the box next to the **Read, compose, send, and permanently delete all your email from Gmail** warning message.

NOTE: Do not worry! Exponent API will never alter or delete anything from the Gmail account being accessed. Access and handling of any of your emails is restricted to "read-only" methods.

You can then click on **Continue** to move to the next step.


Exponent API wants access to your Google Account

 john.doe@gmail.com

Select what **Exponent API** can access

 Associate you with your personal info on Google

 See your primary Google Account email address

 Read, compose, send, and permanently delete all your email from Gmail. [Learn more](#)

Make sure you trust Exponent API

You may be sharing sensitive info with this site or app. You can always see or remove access in your [Google Account](#).

Learn how Google helps you [share data safely](#).

See Exponent API's [Privacy Policy](#) and [Terms of Service](#).


Cancel

Continue

STEP 2(b)

Copy the Authorization code that will then be presented to you. It's okay to close the browser at this point. Clicking on the small icon next to the Authorization code will copy it to the Clipboard for you. Once you have done that, close the browser and return to the Step 2 box within the Exponent API **Host Connection Settings** page as shown.

Make sure you trust Exponent API

 Exponent API is requesting access to your Google Account. To protect your account, don't continue unless you know and trust this app.


Sign in or provide access to Exponent API

To sign in or provide access:

1. Copy the authorization code from the Authorization code section.
2. Navigate to Exponent API.
3. Paste the authorization code on the Exponent API screen.

Authorization code

Please copy this code, switch to your application and paste it there:

4/1AWtgzh7xYbIb94yQOGth2ytDD1dBWdGSUDMQEYfMn_xgI
SyuujuE35Rte_c 

Don't sign in or provide access to Exponent API

If you don't want to continue, close this window.

STEP 3(a)

Paste the Authorization code into the Step 2 box as shown below, found on the **Host Connection Settings** page within Exponent API.

HOST CONNECTION SETTINGS

Email Address:

Password: [HIDE](#)

Encryption: SSL/TLS

Service Providers (Optional): Select a service provider to load its IMAP hosts. You can also enter the IMAP Host information manually .

IMAP Host:

GOOGLE SIGN-IN

[HELP](#)

STEP 1: GET GOOGLE SIGN-IN AUTHORIZATION URL

STEP 3: REQUEST ACCESS TOKENS

Once pasted, click on the **STEP 3: REQUEST ACCESS TOKENS** button.

STEP 3(b)

After clicking on the **STEP 3: REQUEST ACCESS TOKENS**, a request will be made to Google using the Authorization URL. If successful, a caption will appear below that button indicating a success or failure to connect. See example below.

STEP 1: GET GOOGLE SIGN-IN AUTHORIZATION URL

```
4/1AWtgzh7xYbIb94yQOGth2ytDD1dBWdGSUDMQEYf  
Mn_xgISyuujuE35Rte_c
```

STEP 3: REQUEST ACCESS TOKENS

Token obtained successfully. You can now log in to Gmail!

Step 3(c)

Once your Token has been obtained successfully, you can then proceed to connect to the Gmail IMAP server to retrieve a list of mailbox folders.

This is accomplished by clicking on the **CONNECT TO MAIL SERVER** button in the bottom right corner of the window as shown below.

