

How to Connect Google APIs to n8n

This tutorial explains how to set up Google Cloud Console (GCP) and connect services like Google Drive, Gmail, Google Docs, Sheets, Slides, and Calendar to n8n.

1 Step 1: Access GCP

Go to the Google Cloud Console (GCP) here:

```
https://console.cloud.google.com/
```

Choose the appropriate Gmail account

2 Step 2: Payment Configuration and Verification

Google might ask you to enter your credit card information.

- A physical Mastercard or Visa is required, without regional limitations.
- If not, Google won't approve the card and you can't continue with configuration.

Note:

- No charges will occur.
- First-time users get \$300 in Google Cloud credits (expires in 3 months).
- Many developers have been using Google APIs for years without paying anything.

3 Step 3: Set Up a Project

- You'll see a default project named "My First Project" or "No Organization".
- Create a fresh project with your desired name.
- Example: **n8n connection**
- Click "My First Project" in the upper-left area
- Change to your newly made project.

4 Step 4: Activate APIs

We'll activate all APIs using this 3-step method:

1. In GCP, use the top search bar for **Google Drive API**
2. Select the Google Drive API option
3. Press **Enable**

Do steps 1-3 again for:

- Gmail API
- Google Docs API
- Google Sheets API
- Google Calendar API
- Google Slides API

5 Step 5: OAuth Permission Screen

1. Click the menu icon (three lines) in the upper left
2. Select "APIs & Services".
3. Choose OAuth Consent Screen from the sidebar,
4. Then press Get Started.

OAuth Setup:

- App name: **n8n**

- User support email: Your email address (e.g., `alex@gmail.com`)
- Audience: **External**
- Contact details: Your email address (e.g., `alex@gmail.com`)
- Press **Continue & Create**

Following OAuth Setup:

1. Click the menu icon in the upper left
2. Select "APIs & Services".
3. Choose "OAuth Consent Screen".
4. Select Audience from the sidebar
5. Press **+ Add Users** in the Test Users area
6. Include your email
7. Press **Publish App**

OAuth Client Configuration:

1. Click the menu icon in the upper left
2. Select "APIs & Services".
3. Choose "OAuth Consent Screen".
4. Press **Create OAuth Client**
5. Application Type: **Web Application**
6. Name: `n8n`
7. Authorized redirect URI:

Note: This isn't the Authorized JavaScript origins + Add URI

For cloud users, locate your URI:

Locate this in n8n by making a workflow, choosing a Google Drive node > including any actions (like "copy file") > Credential to connect with > Create new credential > OAuth Redirect URL

Example: `https://oauth.n8n.cloud/oauth2/callback`

For self-hosted users, locate your URI:

Locate this in n8n by making a workflow, choosing a Google Drive node > including any actions (like "copy file") > Credential to connect with > Create new credential > OAuth Redirect URL

```
Example: https://n8n.srv43242.hstgr.cloud/rest/oauth2-credential/callback
```

- Insert this "OAuth Redirect URL" from n8n into "Authorized redirect URIs" in Google Cloud console
- Press **Create** in Google cloud console

6 Step 6: App Authentication

1. Click the menu icon in the upper left
2. Select "APIs & Services".
3. Choose Credentials
4. Press the Pencil symbol (edit)
5. Leave this window open to easily access the:

- client ID

```
Example: 78965-  
km3p9vn2xhy76abc5def8ghi1jk4m.apps.googleusercontent.com
```

- client secret

```
Example: HXPCS-xy-a89B7mnlpq6-2wRsTuV9zabc5
```

1. Copy both the client ID and client secret
2. Go back to n8n.
3. In n8n, make a workflow (or use an existing one), choose a Google Drive node > include any action (like "copy file") > Credential to connect with
4. Insert your Client ID from Google Cloud Console

```
Example: 78965-
```

```
km3p9vn2xhy76abc5def8ghi1jk4m.apps.googleusercontent.com
```

5. Insert your client secret from Google Cloud Console

```
Example: HXPCS-xy-a89B7mnlpq6-2wRsTuV9zabc5
```

Additional URLs (if requested):

- Authorization URL:

```
https://accounts.google.com/o/oauth2/v2/auth
```

- Access Token URL:

```
https://oauth2.googleapis.com/token
```

1. Press **Sign In With Google**
2. Select your account using the same email as the test user
3. Press **continue**
4. Check all permissions and accept

Important: Do steps 1-7 again for:

- Gmail API
- Google Docs API
- Google Sheets API
- Google Calendar API
- Google Slides API

Google APIs to n8n Setup Guide