

How to Connect Google APIs to n8n

This guide will help you configure your Google Cloud Console (GCP) and integrate services such as Google Drive, Gmail, Google Docs, Sheets, Slides, and Calendar with n8n.

Step 1: Visit GCP

Visit the Google Cloud Console (GCP) at:

<https://console.cloud.google.com/>

Select the right gmail account

Step 2: Payment Settings and Verification

1. You will need to input your **card details**.
2. You **must use a physical Mastercard or Visa card**, without any local restrictions.
3. Otherwise, Google will not accept the card, and you won't be able to proceed with the setup.

Note:

1. You will not be charged.
 2. If it's your first time, you'll receive **\$300 Google Cloud credits** (valid for 3 months).
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Step 3: Create a Project

1. You will have a default project called **"My First Project"** or **"No Organization"**.
2. You can create a new project and give it a preferred name.
 - a. For example: **"n8n connection"**
1. In the top-left corner, click on **"My First Project"**
2. Switch to the new project you just created.

Step 4: Enable APIs

We're going to enable all APIs, following a 3 step process:

1. In GCP, at the top, search for for Google Drive API
2. Click the Google Drive API result
3. Then click **Enable**
4. Repeat steps 1-3 above for for:
 - a. Gmail API
 - b. Google Docs API
 - c. Google Sheets API
 - d. Google Calendar API
 - e. Google Slides API

Step 5: OAuth Consent Screen

1. Hit the hamburger helper in the top left corner
2. Click "**APIs & Services**".
3. Click on **OAuth Consent Screen** in the left sidebar,
4. Then click **Get Started**.

OAuth Configuration:

1. **App name:** n8n
2. **User support email:** Your email (i.e. john@gmail.com)
3. **Audience:** External
4. **Contact information:** Your email (i.e. john@gmail.com)
5. Click **Continue & Create**

After OAuth Configuration:

1. Hit the hamburger helper in the top left corner
2. Click "**APIs & Services**".
3. Click "OAuth Consent Screen".
4. Click on **Audience** on the side bar
5. Click on **+ Add Users** under Test Users
6. Add your **email**
7. Click Publish App

OAuth Client Settings:

1. Hit the hamburger helper in the top left corner
2. Click "**APIs & Services**".
3. Click "OAuth Consent Screen".
4. Click on **Create OAuth Client**
5. **Application Type:** Web Application

6. **Name:** n8n
 7. Authorized redirect URI:
 - a. **Note: this is not the Authorized JavaScript origins + Add URI**
 - b. For **cloud version**, you'll need to find your URI:
 - i. Find this inside n8n, by creating a workflow, selecting a Google Drive node > adding any actions (such as "copy file") > Credential to connect with > Create new credential > OAuth Redirect URL
 - ii. i.e. <https://oauth.n8n.cloud/oauth2/callback>
 - c. For **self-hosted version**, you'll need to find your URI:
 - i. Find this inside n8n, by creating a workflow, selecting a Google Drive node > adding any actions (such as "copy file") > Credential to connect with > Create new credential > OAuth Redirect URL
 - ii. i.e. <https://n8n.srv43242.hstgr.cloud/rest/oauth2-credential/callback>
 - d. Paste this "OAuth Redirect URL" from n8n into "Authorized redirect URIs" in Google Cloud console
 8. Click Create in Google cloud console
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Step 6: Authenticating Apps

5. Hit the hamburger helper in the top left corner
6. Click **"APIs & Services"**.
7. Click Credentials
8. Click the Pencil icon (edit)
9. Keep this page open so that you can easily reference the:
 - a. client ID (looks like: 32434-ov1r7gk9vli84lkj9mg3e234lkjf3t.apps.googleusercontent.com)
 - b. client secret (looks like: GOIUD-aq-c52K9mgdfu4-7cLTpZ4kljakr8)
10. Copy the client ID and client secret

Return back to n8n.

1. Inside n8n, create a workflow (or open an existing one), selecting a Google Drive node > adding any action (such as "copy file") > Credential to connect with
2. Add in your Client ID from Google Cloud Console
 - a. i.e. 32434-ov1r7gk9vli84lkj9mg3e234lkjf3t.apps.googleusercontent.com
3. Add in your client secret from Google Cloud Console
 - a. i.e. GOIUD-aq-c52K9mgdfu4-7cLTpZ4kljakr8
4. Authorization URL:
 - a. If it asks for this, add in: <https://accounts.google.com/o/oauth2/v2/auth>
5. Access Token URL:
 - a. If it asks for this, add in: <https://oauth2.googleapis.com/token>
6. Click Sign In With Google
7. Choose your account with the same email as the test user
8. Click continue
9. Tick all permissions and confirm
10. Repeat steps 1-7 above for for:

- a. Gmail API
- b. Google Docs API
- c. Google Sheets API
- d. Google Calendar API
- e. Google Slides API