

how to connect google sheets in n8n

Here's a clear, step-by-step guide to connecting **Google Sheets with n8n** (works for both n8n Cloud and self-hosted).

1. Decide which Google Sheets node to use

n8n currently has two options:

1. **Google Sheets (recommended)** – newer, simpler
2. **Google Sheets v2** – older, more granular

Use **Google Sheets** unless you specifically need v2 features.

2. Create Google API credentials (one-time setup)

A. Create a Google Cloud project

1. Go to **Google Cloud Console**
 2. Click **Select project** → **New Project**
 3. Name it (e.g., n8n-google-sheets)
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B. Enable Google Sheets API

1. In the project, go to **APIs & Services** → **Library**
2. Search for **Google Sheets API**
3. Click **Enable**

(Optional but recommended)

- Enable **Google Drive API** as well
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C. Create OAuth credentials

1. Go to **APIs & Services** → **Credentials**
2. Click **Create Credentials** → **OAuth client ID**

3. If prompted:
 - Configure **OAuth consent screen**
 - User type: **External**
 - Add your email as a test user
 4. Application type: **Web application**
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D. Add redirect URI (IMPORTANT)

Use the redirect URL from n8n:

- **n8n Cloud**

`https://<your-workspace>.app.n8n.cloud/rest/oauth2-credential/callback`

- **Self-hosted**

`https://<your-domain>/rest/oauth2-credential/callback`

Save and copy:

- **Client ID**
 - **Client Secret**
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3. Configure Google Sheets credentials in n8n

1. In n8n, go to **Credentials**
 2. Click **Add Credential**
 3. Choose **Google Sheets OAuth2 API**
 4. Fill in:
 - Client ID
 - Client Secret
 5. Click **Connect OAuth Account**
 6. Sign in with Google and allow access
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4. Use Google Sheets in a workflow

1. Add a **Google Sheets** node
2. Select your Google Sheets credential
3. Choose an **Operation**, for example:

- Read rows
 - Append row
 - Update row
 - Clear sheet
4. Enter:
- **Spreadsheet ID** (from the Google Sheets URL)
 - **Sheet name** (tab name)

Example URL:

`https://docs.google.com/spreadsheets/d/SPREADSHEET_ID/edit`

try following video tutorials for learning n8n ai agent with google sheets.

level 1:-

<https://youtu.be/BNNxj0oB6yE?si=aAQ-RuXqxNrSLkL9>

level 2:-

<https://youtu.be/zQM2HgNTBCs?si=8-tldzjqKizxNPtO>