Brodyautomates Setup Guide: n8n Shorts Automation

Step-by-Step Setup for Beginners

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1. Prepare Your Google Sheet

(This is your input - n8n reads ideas from here)

A. Create a New Sheet

- Go to sheets.new
- Name it: `AI Video Ideas`

B. Set Up Columns

Copy & paste exactly these column headers in Row 1:

```
text
Copy

Download

title | animal 1 | animal 2 | animal 3 | animal 4 | style | caption | videoStatus
| publishStatus | videoLink | row_number
```

C. Add Your First Idea

Fill Row 2 like this example:

title	animal 1	animal 2	animal 3	animal 4	style	caption
Funny Animals	Fox	Panda	Elephant	Giraffe	Cyberpunk	4 animals in futuristic outfits!

⚠️ Important:

- Leave `videoStatus`, `publishStatus`, `videoLink`, and `row_number` EMPTY
- Use simple animal names (e.g., "Fox", not "Red Arctic Fox")

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2. Set Up n8n Account

A. Create Account

1. Go to n8n.io
2. Click "Get started free" → Sign up with email
3. Verify your email

B. Create New Workflow

1. In n8n dashboard: Click `+ New` → `Workflow`
2. Click `Import` (top-right)
3. Paste the entire `Ai Video Workflow.json` content
4. Click `Import`

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3. Connect Google Sheets

(So n8n can read your ideas)

For "Grab Idea" Node:

1. Click the "Grab Idea" node (yellow box)
2. Under "Credentials", click `+ Create New`
3. Select "Google Sheets" → "OAuth2"
4. Click "Sign in with Google" → Choose your account
5. Check these permissions:
   - `View your Google Sheets`
   - `Edit your Google Sheets`

For "Video Status" Node:

1. Click the "Video Status" node (blue box)
2. Repeat steps 2-5 above

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4. Add API Keys

A. OpenAI (For Image Prompts)

1. Get key: platform.openai.com/api-keys
2. In n8n: Click "GPT 4o" node → "Credentials" → `+ Create New`
3. Paste key → Name: "My OpenAI Key"

B. Google Gemini (For Audio Prompts)

1. Get key: aistudio.google.com/app/apikey
2. Click "Flash 2.0" node → Add credential → Paste key

C. Piapi.ai (For Images)

1. Get key: piapi.ai/dashboard (Sign up free)
2. Click "Generate Image" node → "Authentication" → "Header Auth"
   ○ Name: `Authorization`
   ○ Value: `Bearer YOUR_PIAPI_KEY`

D. ElevenLabs (For Audio)

1. Get key: elevenlabs.io/api (Free tier available)
2. Click "Generate Audio" node → "Authentication" → "Header Auth"
   ○ Name: `xi-api-key`
   ○ Value: `YOUR_ELEVENLABS_KEY`

E. Creatomate (For Video Editing)

1. Get key: creatomate.com/docs/api/rest-api/authentication
2. Click "Render Video" node → "Headers" section:
   ○ Name: `Authorization`
   ○ Value: `Bearer YOUR_CREATOMATE_KEY`

F. YouTube (For Uploads)

1. Click "Upload Video" node → "Credentials" → `+ Create New`
2. Select "OAuth2" → Sign in with Google
3. Check these permissions:
   - `Manage your YouTube videos`

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5. Test Your Workflow

A. Dry Run

1. In Google Sheets: Add a test row (use simple animals like Cat/Dog)
2. In n8n:
   - Click the "When clicking Test workflow" node (green button)
   - Click "Execute Node" (play icon)

B. Check Progress

Nodes will light up green if successful:

- 🟢 `Grab Idea`: Fetched your sheet data
- 🟢 `Set Animals`: Prepared 4 animals
- 🟢 `GPT 4o`: Generated image prompts
- 🟢 `Generate Image`: Created 4 images (wait 90 seconds)
- 🟢 `Generate Audio`: Made background audio

C. Verify Output

- Check Google Sheets: `videoStatus` should change to "Created"
- Check YouTube: Unlisted video appears in your account

Troubleshooting

Issue	Solution
Google Sheets not loading	Re-authenticate Google credentials
AI services failing	Check API key quotas at provider dashboard
Video rendering stuck	Wait 10 mins → Check Creatomate account
YouTube upload error	Grant "YouTube Data API v3" access at console.cloud.google.com

How It Works

1. Trigger: You add ideas to Google Sheets
2. AI Processing:
    ○ 🖼️ Generates 4 animal images in your chosen style
    ○ 📢 Creates 20-second background audio
3. Video Assembly:
    ○ Combines images + audio + animal names as text
4. Output:
    ○ Uploads finished video to YouTube (unlisted)
    ○ Updates sheet with video link

⏱️ Avg. runtime: 8-12 minutes per video