

Daily AI Content Generator - n8n Setup Guide

A workflow that automatically researches AI news, writes 5 articles, and emails them to you daily. Built with n8n, Claude AI, and SerpAPI.

What This Workflow Does

Every day at 7 AM, this workflow:

1. **Searches Google** for the latest AI news using SerpAPI
2. **Analyzes findings** with Claude to identify 5 story ideas
3. **Writes full articles** (500-800 words each) in a conversational, non-technical tone
4. **Formats everything** into a beautiful HTML email with key takeaways and social media drafts
5. **Sends to your inbox** ready for review and publishing

Total runtime: ~2-3 minutes

What You'll Need

Service	Purpose	Cost	Sign Up
n8n Cloud	Workflow automation platform	Free trial, then from \$20/mo	n8n.io
Anthropic	Claude AI for research & writing	Pay-per-use (~\$0.10-0.50 per run)	console.anthropic.com
SerpAPI	Google search API	100 free searches/month	serpapi.com
Gmail	Email delivery	Free with Google account	gmail.com

Step 1: Create Your n8n Account

1. Go to [n8n.io](#)
2. Click **Get Started Free**
3. Sign up with your email or Google account
4. Your workspace is ready immediately - no installation needed!

Step 2: Get Your API Keys

Anthropic API Key (for Claude)

1. Go to [console.anthropic.com](#)
2. Sign up or log in
3. Click **API Keys** in the left sidebar
4. Click **Create Key**
5. Copy and save it somewhere safe (you'll need it in Step 4)

SerpAPI Key (for Google Search)

1. Go to serpapi.com
 2. Click **Register** and create an account (100 free searches/month)
 3. Once logged in, go to serpapi.com/manage-api-key
 4. Copy your API key
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Step 3: Import the Workflow

1. In n8n, click **Workflows** in the left sidebar
 2. Click the + **Add Workflow** button
 3. Click **Import from File**
 4. Select the `daily-ai-content-workflow.json` file
 5. The workflow appears in your canvas - you'll see 10 connected nodes
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Step 4: Add Your Credentials

Connect Anthropic (Claude AI)

1. Click on the **Claude (Research)** node (the purple one)
2. In the right panel, find **Credential to connect with**
3. Click the dropdown → **Create New Credential**
4. Enter:
 - **Name:** `Anthropic account`
 - **API Key:** Paste your Anthropic key from Step 2
5. Click **Save**

The **Claude (Writer)** node will automatically use this same credential.

Connect SerpAPI (Google Search)

1. Click on the **Google Search** node
2. Find **Credential to connect with**
3. Click the dropdown → **Create New Credential**
4. Enter:
 - **Name:** `SerpAPI account`
 - **API Key:** Paste your SerpAPI key from Step 2
5. Click **Save**

Connect Gmail


1. Click on the **Send Email** node
2. Find **Credential to connect with**
3. Click the dropdown → **Create New Credential**
4. Select **Gmail OAuth2**
5. Click **Sign in with Google**
6. Choose your Google account and authorize n8n

7. Click **Save**

Step 5: Set Your Email Address

1. Click on the **Setup Variables** node (near the start of the workflow)
2. Find the `recipientEmail` field
3. Change `YOUR_EMAIL@example.com` to your actual email address
4. Click anywhere else to save

Step 6: Test It!

1. Click the **Test Workflow** button ( play icon in the top right)
2. Watch each node light up as it executes
3. The whole process takes 2-3 minutes
4. Check your email for the results!

Tip: Click on any node after execution to see what data it produced.

Step 7: Activate for Daily Runs

Once you're happy with the test:

1. Toggle the **Active** switch in the top right (it will turn orange)
2. The workflow will now run automatically at 7 AM every day

To change the schedule:

1. Click the **Daily 7AM Trigger** node
2. Modify the cron expression:
 - `0 9 * * *` = 9:00 AM daily
 - `0 7 * * 1-5` = 7:00 AM weekdays only
 - `0 18 * * *` = 6:00 PM daily

Troubleshooting

"Max iterations reached" on AI Research Agent

The AI is running too many searches. This is already optimized, but if it happens:

- Click the node → Options → reduce `maxIterations` to 6

"Invalid API key" on Google Search

- Double-check your SerpAPI key at serpapi.com/manage-api-key
- Delete the credential in n8n and create a new one

Gmail won't connect

- Make sure you're signing in with the Google account you want to send FROM
- Try clicking "Create New Credential" again and re-authorizing

Empty email received

- Click on each node after a test run to see where data stopped flowing
- Usually means the AI Research Agent didn't return proper JSON - try running again

Estimated Costs

Service	Per Run	Monthly (30 runs)
Anthropic	~\$0.15	~\$4.50
SerpAPI	3 searches	90 total (free tier)
n8n Cloud	Included	\$20/mo starter plan
Total		~\$25/month

Customization Ideas

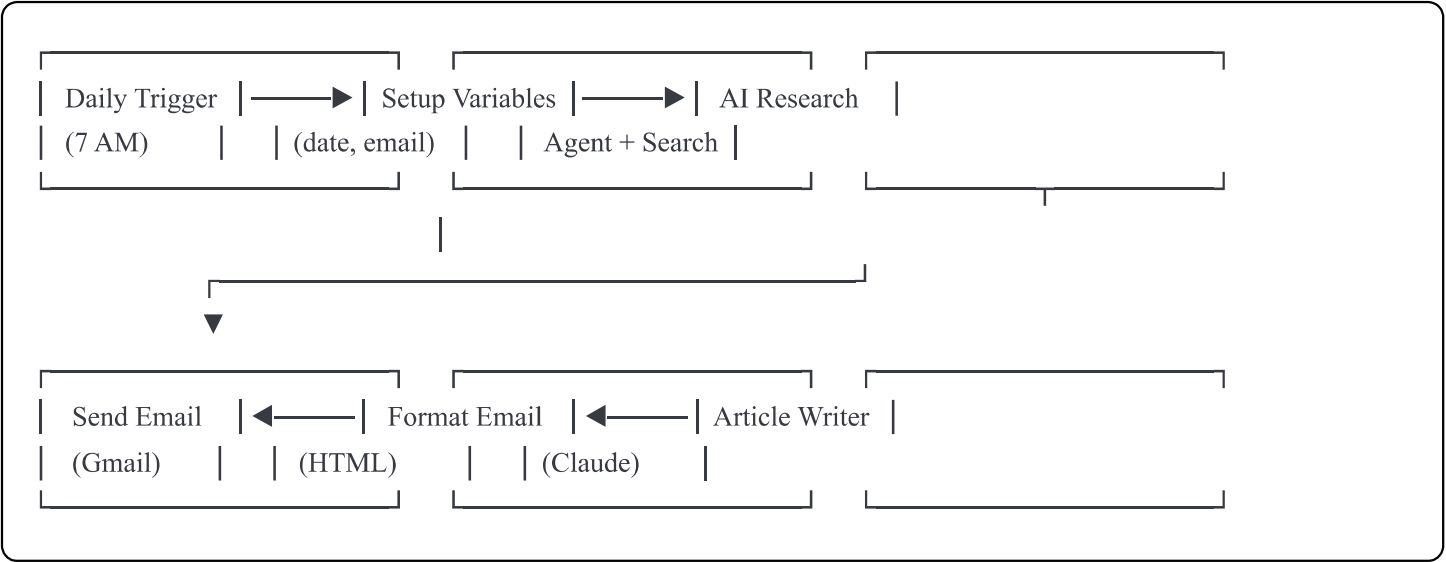
Different topics? Edit the search queries in the **AI Research Agent** node.

Fewer articles? Change "5 articles" to "3 articles" in the prompts.

Different tone? Modify the writing guidelines in the **Article Writer** node.

Send to Slack instead? Replace the Gmail node with a Slack node.

How It Works



Credits

Built using **SyntaMCP** - an MCP connector that enables Claude to create and manage n8n workflows through

natural conversation. This entire workflow was developed in a single conversational session.

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