

n8n WordPress Autoblogger

Complete User Guide v2.31

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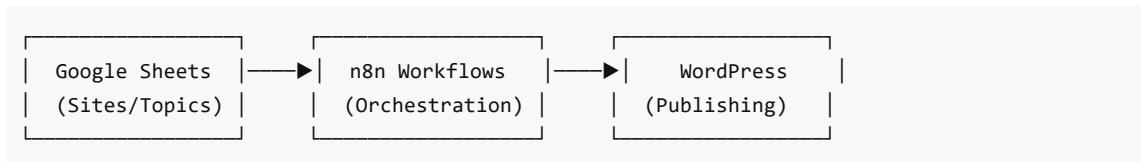
1. Introduction

What is n8n WordPress Autoblogger?

The n8n WordPress Autoblogger is an automated content publishing system that:

- Generates **AI-powered blog articles** using OpenAI GPT-4
- Creates and uploads **images** using DALL-E, fal.ai, or Pexels
- Automatically adds **internal and external links** for SEO
- Embeds relevant **YouTube videos** for engagement
- Manages **SEO metadata** for Yoast SEO and RankMath
- Supports multiple **WordPress sites** from a single dashboard
- Sends **notifications** via Telegram, Email, and SpeedyIndex

How It Works



1. You add topics to a Google Sheet
2. n8n checks the sheet on a schedule
3. For each pending topic, AI generates a full article
4. Images are created and uploaded
5. Links and videos are automatically added
6. Post is published to WordPress

-
7. SEO metadata is configured
 8. You get notified of success/failure
-

2. System Requirements

Required

Component	Requirement
n8n	Cloud (cloud.n8n.io) or self-hosted v1.0+
WordPress	Version 5.0 or higher
PHP	Version 7.4 or higher (for plugin)
OpenAI Account	With API access and credits
Google Account	For Google Sheets

Optional (Recommended)

Component	Purpose
Google Custom Search API	External link sources
YouTube Data API	Video embeds
fal.ai Account	Fast AI image generation
Pexels API	Free stock photos
Telegram Bot	Real-time notifications

3. Quick Start Guide

5-Minute Setup

Step 1: Import Workflows

1. Log into n8n
2. Import these files from the `Current/` folder:
 - o `Master Scheduler (Multi-site).json`
 - o `Publisher (Autoblogging Engine).json`
 - o `Cleanup (Stuck Locks).json`

Step 2: Install WordPress Plugin

1. Download `wordpress-plugin/n8n-autoblogger-helper.zip`
2. WordPress Admin → Plugins → Add New → Upload Plugin
3. Install and Activate

Step 3: Set Up Google Sheets

Create a spreadsheet with two sheets:

Sites Sheet (minimum columns):

site_id	base_url	auth_mode	jwt_user	jwt_password	topics_spreadsheet_id
site_001	https://yoursite.com	jwt	admin	password	SPREADSHEET_ID

Topics Sheet (minimum columns):

topic	status
Your Blog Topic Here	PENDING

Step 4: Add n8n Variables

Go to Settings → Variables and add:

- OPENAI_API_KEY : Your OpenAI API key

Step 5: Test

- Open the Master Scheduler workflow
- Click "Test workflow"
- Check WordPress for your new post!

4. Detailed Setup

4.1 Google Sheets Configuration

Creating the Sites Sheet

Create a new Google Spreadsheet and add these columns:

Core Settings

Column	Example	Description
site_id	site_001	Unique identifier
site_name	My Blog	Display name
base_url	https://myblog.com	WordPress URL (no trailing /)
enabled	TRUE	Process this site?

Authentication

Column	Example	Description
auth_mode	jwt	"jwt" or "basic"

jwt_user	admin	WordPress username
jwt_password	pass123	WordPress password
wp_user	admin	For basic auth
wp_app_password	xxxx xxxx	Application password

Topics Configuration

Column	Example	Description
topics_spreadsheet_id	1ABC...	Google Sheets ID
topics_gid	123456	Sheet tab GID
post_interval_minutes	60	Min. minutes between posts

Content Settings

Column	Default	Description
post_status	draft	"draft" or "publish"
tone	informative	Writing style
min_words	1500	Minimum word count
max_words	2500	Maximum word count
faq_count	5	FAQ items to generate

Enrichment

Column	Default	Description
images_count	1	AI images (0 = none)
internal_links_count	3	Links to own posts
external_links_count	5	Links to external sites
youtube_embeds_count	1	Videos to embed

Image Settings

Column	Default	Description
image_provider_priority	fal,openai,pexels	Provider order
openai_image_model	dall-e-3	DALL-E version
fal_model	fal-ai/flux/schnell	fal.ai model

Notifications

Column	Default	Description
speedyindex_enabled	FALSE	Submit to SpeedyIndex
telegram_enabled	TRUE	Telegram alerts
email_enabled	FALSE	Email notifications

Creating the Topics Sheet

Column	Description
topic	The blog post title/topic
status	PENDING, PROCESSING, DONE, ERROR
locked_at	Auto-filled timestamp
post_url	Auto-filled post URL
error	Auto-filled error message
tags	tag1, tag2, tag3
categories	Category Name

Finding Spreadsheet ID and GID

Spreadsheet ID - From URL:

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

GID - From URL when viewing the sheet:

```
https://docs.google.com/.../edit#gid=[GID]
```

4.2 WordPress Configuration

Installing the Plugin

The n8n Autoblogger Helper plugin provides custom REST API endpoints for:

- Image uploads (base64 and URL sideload)
- SEO meta updates (Yoast/RankMath)
- Category creation

Installation:

1. Download `n8n-autoblogger-helper.zip`
2. Go to Plugins → Add New → Upload Plugin
3. Choose the file and click Install Now
4. Click Activate

Verify Installation:

Visit: <https://yoursite.com/wp-json/n8n/v1/>

Setting Up Authentication

Option A: JWT Authentication (Recommended)

1. Install "JWT Authentication for WP REST API" plugin

2. Add to `wp-config.php`:

```
define('JWT_AUTH_SECRET_KEY', 'your-unique-secret-key');
define('JWT_AUTH_CORS_ENABLE', true);
```

3. Add to `.htaccess` (before `# BEGIN WordPress`):

```
RewriteEngine on
RewriteCond %{HTTP:Authorization} ^(.*)
RewriteRule ^(.*) - [E=HTTP_AUTHORIZATION:%1]
SetEnvIf Authorization "(.*)" HTTP_AUTHORIZATION=$1
```

4. In your Sites sheet:

- o Set `auth_mode` to `jwt`
- o Set `jwt_user` to your WordPress username
- o Set `jwt_password` to your WordPress password

Option B: Application Passwords

1. Go to Users → Your Profile → Application Passwords

2. Enter name "n8n" and click Add New

3. Copy the password (with spaces)

4. In your Sites sheet:

- o Set `auth_mode` to `basic`
- o Set `wp_user` to your username
- o Set `wp_app_password` to the generated password

4.3 n8n Variables

Go to **Settings** → **Variables** in n8n and add:

Required

Variable	Description
OPENAI_API_KEY	Your OpenAI API key (sk-...)

Optional - Content Enhancement

Variable	Description

GOOGLE_CSE_API_KEY	Google Custom Search API key
GOOGLE_CSE_CX	Search Engine ID
YOUTUBE_API_KEY	YouTube Data API key

Optional - Image Generation

Variable	Description
FAL_API_KEY	fal.ai API key
PEXELS_API_KEY	Pexels API key

Optional - Notifications

Variable	Description
TELEGRAM_BOT_TOKEN	Telegram bot token
TELEGRAM_CHAT_ID	Chat/group ID
NOTIFICATION_EMAIL	Email recipient
RESEND_API_KEY	Resend.com API key

5. Configuration Reference

Complete Sites Sheet Columns

Column	Type	Required	Default	Description
site_id	String	<input checked="" type="checkbox"/>	-	Unique site identifier
site_name	String		-	Display name for notifications
base_url	String	<input checked="" type="checkbox"/>	-	WordPress site URL
auth_mode	String	<input checked="" type="checkbox"/>	jwt	"jwt" or "basic"
jwt_user	String	*	-	JWT username
jwt_password	String	*	-	JWT password
jwt_token	String		-	Cached token (auto-filled)
wp_user	String	*	-	Basic auth username
wp_app_password	String	*	-	Application password
topics_spreadsheet_id	String	<input checked="" type="checkbox"/>	-	Topics sheet ID
topics_gid	Number	<input checked="" type="checkbox"/>	-	Topics sheet GID

post_interval_minutes	Number		60	Min. between posts
last_posted_at	DateTime		-	Auto-filled
enabled	Boolean		TRUE	Process this site
post_status	String		draft	draft/publish
tone	String		informative	Writing style
min_words	Number		1500	Minimum words
max_words	Number		2500	Maximum words
faq_count	Number		5	FAQ items
default_category	String		-	Fallback category
images_count	Number		0	AI images
internal_links_count	Number		3	Internal links
external_links_count	Number		5	External links
youtube_embeds_count	Number		1	Video embeds
image_provider_priority	String		fal,openai,pexels	Provider order
openai_model	String		gpt-4o-mini	GPT model
openai_image_model	String		dall-e-3	Image model
fal_model	String		fal-ai/flux/schnell	fal model
speedyindex_enabled	Boolean		FALSE	SpeedyIndex
telegram_enabled	Boolean		TRUE	Telegram alerts
email_enabled	Boolean		FALSE	Email alerts

*Required depending on auth_mode

Image Provider Comparison

Provider	Type	Speed	Quality	Cost
fal.ai	AI Generated	⚡ Fast	★★★★	~\$0.01/img
OpenAI DALL-E 3	AI Generated	Medium	★★★★★	~\$0.04/img
OpenAI DALL-E 2	AI Generated	Medium	★★★	~\$0.02/img
Pexels	Stock Photo	⚡⚡ Instant	Varies	Free

6. Using the System

Adding Topics

1. Open your Topics Google Sheet
2. Add topics in the `topic` column
3. Set `status` to `PENDING`
4. Optionally add:
 - o `tags` : comma-separated tags
 - o `categories` : comma-separated categories

Example:

topic	status	tags	categories
10 Best Coffee Brewing Methods	PENDING	coffee, brewing	Lifestyle
How to Start a Home Garden	PENDING	gardening, home	DIY, Outdoors

Running Manually

1. Open the Master Scheduler workflow
2. Click "Test workflow"
3. Monitor the execution
4. Check output for success/errors

Running on Schedule

1. Open Master Scheduler workflow
2. Click the Schedule Trigger node
3. Configure your desired interval (e.g., every 15 minutes)
4. Toggle the workflow to "Active"

Monitoring Posts

Check the Topics Sheet:

- `status` changes to `DONE` on success
- `post_url` shows the published URL
- `error` shows any error messages

Check WordPress:

- Posts appear in Posts → All Posts
- Check draft or published status

Understanding the Output

Each execution returns detailed debug info:

```
{  
  "ok": true,  
  "data": {  
    "posts": [  
      {"id": 1, "title": "Post 1", "status": "PENDING", "tags": "coffee, brewing", "categories": "Lifestyle"},  
      {"id": 2, "title": "Post 2", "status": "PENDING", "tags": "gardening, home", "categories": "DIY, Outdoors"}  
    ]  
  }  
}
```

```
"post_id": 123,
"post_url": "https://site.com/?p=123",
"title": "Article Title",
"debug": {
    "images_uploaded": 1,
    "internal_links_inserted": 2,
    "external_links_inserted": 3,
    "categories_found": [
        {"requested": "Tech", "matched": "Technology", "id": 5}
    ]
}
}
```

7. Troubleshooting

Authentication Errors

"JWT authentication failed"

Check:

1. JWT plugin is installed and activated
2. `wp-config.php` has the secret key defined
3. `.htaccess` has the authorization rewrite rules
4. Username and password are correct

"401 Unauthorized"

For Basic Auth:

1. Application password is correct (include spaces)
2. Username is exact (case-sensitive)
3. User has `edit_posts` capability

"403 Forbidden"

Causes:

- Security plugin blocking REST API
- Cloudflare/WAF blocking requests

Solutions:

1. Whitelist n8n IPs in security plugins
2. Add bypass rule for `/wp-json/*`

Image Issues

Images Not Uploading

Check:

1. n8n Autoblogger Helper plugin is installed
2. User has `upload_files` capability

3. Check `debug.image_errors` for details

500 Error on Image Upload

Solutions:

1. Increase PHP memory: `define('WP_MEMORY_LIMIT', '256M');`
2. Use `dall-e-2` instead of `dall-e-3`
3. Use `fal` or `pexels` providers (smaller files)

Category Issues

Categories Not Created

Solution: Ensure plugin v1.2+ is installed (has `/create-category` endpoint)

Categories Not Assigned

Check:

1. Category names spelled correctly
2. Check `debug.categories_found` in output

SEO Issues

Meta Not Saving

Solution:

1. Install plugin v1.1+ (has `/update-seo-meta` endpoint)
2. Check `debug.seo_plugins` shows your plugin detected

Topics Stuck in PROCESSING

Solution: Run the Cleanup workflow to reset stuck topics

8. FAQ

General Questions

Q: How many posts can I publish per day? A: There's no limit. Set `post_interval_minutes` to control spacing.

Q: Can I use this with WordPress.com? A: Only with WordPress.com Business plan or higher (needs REST API access).

Q: Does this work with custom post types? A: Currently supports standard posts only. Can be modified in the code.

Content Questions

Q: Can I edit posts before publishing? A: Yes, set `post_status` to `draft` to review before publishing.

Q: How do I control the writing style? A: Use the `tone` field (e.g., "professional", "casual", "humorous").

Q: Why are there no tables in my articles? A: The AI is instructed to include tables, but it depends on the topic. Technical topics usually include tables.

Technical Questions

Q: Can I use a different AI model? A: Yes, set `openai_model` to any compatible model (e.g., `gpt-4o`, `gpt-4o-mini`).

Q: How do I add more image providers? A: See the Technical Reference for extending the system.

Q: Is my data secure? A: API keys are stored in n8n Variables. Never commit them to version control.

9. Technical Reference

Workflow Architecture

Master Scheduler

- Triggered by cron or manual execution
- Fetches enabled sites from Google Sheets
- Checks posting intervals
- Locks topics before processing
- Calls Publisher for each topic
- Updates topic status

Publisher Engine

A single Code node that handles:

1. WordPress authentication
2. SERP and YouTube data fetching
3. Content generation via OpenAI
4. Image generation and upload
5. Link and video injection
6. Category/tag management
7. Post publishing
8. SEO meta updates
9. Notifications

Cleanup Workflow

Resets topics stuck in PROCESSING state after crashes.

WordPress Plugin API

POST /wp-json/n8n/v1/upload-image

Upload base64-encoded images.

POST /wp-json/n8n/v1/sideload-image

Download and upload images from URLs.

POST /wp-json/n8n/v1/update-seo-meta

Update Yoast/RankMath metadata.

POST /wp-json/n8n/v1/create-category

Create categories (bypasses REST API permissions).

Version History

Version	Changes
v2.31	Auto-category creation
v2.30	SEO meta via plugin endpoint
v2.29	Removed JSON-LD (WP blocks scripts)
v2.28	Links only in paragraphs
v2.27	Custom plugin for image uploads

Support

Getting Help

1. Check the Troubleshooting section
2. Review the debug output
3. Open a GitHub issue with:
 - Error message
 - Debug output (redact sensitive data)
 - WordPress/n8n versions

Contributing

See CONTRIBUTING.md for guidelines on:

- Reporting bugs
- Suggesting features
- Submitting code changes