N8N-WP Newsletter: Automated Weekly WordPress Newsletter

Overview

The **N8N-WP Newsletter** workflow by **AI Solutions, Inc.** is a no-code, end-to-end automation that retrieves the latest posts from your WordPress site, summarizes their content using advanced AI (OpenAI's GPT-4o), formats them into a professionally-styled HTML newsletter, and sends it to your subscriber list — all on a schedule, with zero manual work required.

- **Platform:** n8n.io (self-hosted/cloud, v1.24+ recommended)
- **Main integrations:** WordPress (via REST), OpenAI GPT-4o, Google Sheets, Gmail
- **Core features:**
  - Scheduled (weekly) execution
  - Auto-fetch and process new WP blog posts
  - Smart summarization using OpenAI LLM
  - Well-formatted, responsive HTML newsletter
  - Batch email to subscribers from Sheets

> **Note:** This guide details importing, configuring, and operating the **N8N-WP Newsletter** workflow. For issues or custom development, refer to "Support" at the end.

Prerequisites

- **n8n Instance:** Access to your own n8n (cloud or self-hosted).

- **WordPress REST API:** Your WordPress site must expose `/wp-json/wp/v2/posts`.
- **OpenAI Account & API Key:** For GPT-4o access.
- **Google Account:** With:
  - Google Sheets (subscriber list; sheet access enabled for n8n)
  - Gmail (for sending newsletter mailouts via n8n)
- **Subscriber List:** Google Sheet with a column for emails (e.g., *subscribers* tab with `Email` as column header).
- **Network Connectivity:** Make sure your n8n server can reach WordPress, OpenAI, Google APIs.

Installation

1. **Obtain the Workflow JSON:**
   Download the provided **N8N-WP Newsletter** JSON workflow file from your admin or the customer portal.
2. **Import into n8n:**
   1. Log into your n8n editor UI.
   2. Click the **Import** button (left panel → `Workflow` → `Import from File`).
   3. Select the `N8N-WP-Newsletter.json` file and import.
3. **Rename or organize the workflow** (optional):
   Update the workflow name and add documentation as you see fit.

Configuration

You must adjust connection settings for the workflow to interface with your services.

1. WordPress Endpoint

- **Node:** `Fetch WordPress Posts`
  Field: `URL`
- Update the **url** field to point to your live WordPress REST endpoint.
  Example: `https://yourdomain.com/wp-json/wp/v2/posts?per_page=5&_embed`
- You may adjust query parameters. E.g., `per_page=10` for more posts.

2. OpenAI API Credentials

- **Nodes:** `OpenAI GPT-4o Model` and `Content Summarizer Agent`
- In both nodes, select (or create) your **OpenAI API credentials** with a valid API key. This enables AI post summarization.
- **Credential setup:**
  - In n8n, go to **Settings → API Credentials**
  - Create new credentials of type `OpenAI API`, paste your API key
  - Ensure "GPT-4o" or compatible model is available

3. Google Sheets Credentials

- **Node:** `Read Subscribers from Sheets`
- Create "**googleSheetsOAuth2Api**" credentials granting access to your Subscribers Google Sheet.
- **Instructions:**
  - Go to **Settings → API Credentials** in n8n
  - Choose `Google Sheets` (OAuth2)
  - Authorize n8n with your Google account (read access to the relevant sheet)
  - Point the node to your subscriber sheet and select the correct worksheet/tab
  - Ensure the first column contains the email addresses (header e.g., "Email")

4. Gmail Credentials

- **Node:** `Send Newsletter via Gmail`

- Create "**gmailOAuth2**" credentials with your sending account.
- **Instructions:**
  - In **Settings** → **API Credentials** select `Gmail` (OAuth2)
  - Authenticate your Google/Gmail account
  - Verify API access for sending

5. Schedule & Other Settings

- **Node:** `When Weekly at Monday 10am`
- **Instructions:** Set the execution time (default: Every Monday at 10:00 AM). Update as needed for your timezone or frequency.

Summary Table: Credentials Required

Node	Credential Type	Description / Purpose
OpenAI GPT-4o Model	OpenAI API Key	Credentials for post analysis/summarization (AI)
Content Summarizer Agent		
Read Subscribers from Sheets	googleSheetsOAuth2Api	To read your Google Sheet with email list
Send Newsletter via Gmail	gmailOAuth2	Account for sending the newsletter emails

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Usage

1. **Test your connections:** Use "Execute Node" on each data node (`Fetch WordPress Posts` , `Read Subscribers from Sheets`) to ensure the APIs return data and credentials are set up.
2. **Preview the workflow:** Manually run the workflow to ensure proper fetching, summarization, and mail delivery before enabling the schedule.
3. **Enable schedule:** Once satisfied, toggle the workflow "Active" and the schedule node will run at the set time (default: every Monday at 10 AM).
4. **Monitoring:**
    - Check n8n's "Executions" logs for success/failure entries after the schedule runs.
    - Email delivery status is shown per "Send Newsletter" node result.
5. **Adjusting content:** For custom email templates or summary prompts, edit `Build HTML Email Format` or the `OpenAI GPT-4o Model` node's prompt/instructions.

Troubleshooting

- **WordPress posts not fetching?**
    - Check the REST endpoint URL; test it in your browser (must return JSON with posts).
    - Check for site-level firewall, API auth, or hosting restrictions.
- **Google Sheets errors?**
    - Review the credential OAuth permissions. Re-authenticate if needed.
    - Make sure the correct sheet/tab and **Email** column exists.
- **Email/sending failures?**
    - Gmail API quota: use a dedicated sender for high volume.
    - Check error output from the Gmail node in n8n logs.
- **AI summary errors?**
    - API key may be invalid/out of quota. Check your OpenAI account's usage.

    - Large post size? Try reducing fetched posts (`per_page` param) or summary verbosity.

- **General workflow issues?**
    - Use n8n's built-in execution logs for step-by-step debugging.
    - Check that all credentials show as **Valid** in n8n's credentials settings.

Support

For assistance with setup, configuration, bug fixes, custom enhancements, or API connection issues, please contact us below:

- **Email:** support@ais.email
- **Website:** automatedintelligentsolutions.com
- **Phone:** 404-293-0331

AI Solutions, Inc. can assist with advanced n8n workflow customization, integrations, and AI-enhanced automations for your business.
