N8N-WordPress Article with Images

Setup & User Guide

Overview

- This workflow automates the creation of draft articles in WordPress using topics sourced from Microsoft SharePoint, enhanced with AI-generated content and feature images.
- It executes on a defined schedule, matches topics to suitable WordPress categories via AI, composes an article and title, generates and attaches a feature image, and delivers notifications upon completion.
- Review the prerequisites and configuration details below before use.

Workflow Features:

- **Scheduled automation** – runs regularly to remove manual effort.
- **SharePoint integration** – fetches topics and updates metadata after publishing.
- **WordPress integration** – submits draft articles, categories, images via REST API.
- **AI-powered content** – leverages OpenAI & Google Gemini for writing and image creation.
- **Automated notifications** – sends email updates on completion.

Prerequisites

1. **Microsoft SharePoint:** Access to the relevant SharePoint Site and List containing article topics. Azure AD application must be registered for OAuth with Sites.Read.All and Sites.ReadWrite.All.
2. **WordPress:** Accessible WordPress site (REST API enabled), with user credentials capable of posting content and managing media.
3. **n8n:** Self-hosted or n8n.cloud instance (https://n8n.io/ (https://n8n.io/)).

4. **OpenAI API Access:** An API key for OpenAI's GPT models, for content and category matching.
5. **Google Gemini API Access:** An API key for Google's Gemini models to generate article images.
6. **Microsoft Outlook Account:** For sending notification emails via OAuth2.

Installation

1. In n8n, go to **Workflows > Import from File** and select your provided workflow JSON file (`.json`).
2. Once imported, open the workflow and review the nodes and connections.
3. Before activating, proceed to **Configuration** to enter credentials and update placeholders.

Configuration

Placeholder Fields

Placeholder	Description	How to Obtain/Set
YOUR_SHAREPOINT_LIST_ID	SharePoint List ID that contains the article topics.	In SharePoint, access the desired List. Under List Settings or in the site URL, retrieve the List ID (GUID format). Paste into the corresponding SharePoint node in n8n.
YOUR_SHAREPOINT_SITE_ID	SharePoint Site ID where the List resides.	In SharePoint admin, locate the Site and extract the Site ID (often a GUID) from its settings or URL. Insert in the relevant node.
YOUR_WP_SITE_URL	Base URL for your WordPress site (e.g., `https://yoursite.com`).	Use the root URL of your WordPress install. Ensure REST API is

Placeholder	Description	How to Obtain/Set
		enabled (`/wp-json/`). Enter this in the relevant HTTP Request/WordPress nodes.
YOUR_WEBSITE_URL	Displayed as the website link in notifications or article meta.	Enter the public URL of your company or blog, as desired, where referenced in set/notification nodes.
YOUR_IMAGE_SUBWORKFLOW_ID	n8n sub-workflow (Workflow ID) used as a custom image generation tool, if applicable.	If you have a separate n8n workflow for advanced image post-processing, enter its Workflow ID. Otherwise, leave default or disable related custom node.
YOUR_NOTIFICATION_EMAIL	Email address(es) to receive notification of article draft completion.	Input valid recipient email in the code or Outlook Notification node. Use commas for multiple addresses.

Credential Types Required

- **`microsoftSharePointOAuth2Api`** :
  Create under **Credentials > Microsoft SharePoint OAuth2 API**.
  Enter the Client ID, Client Secret, and Tenant from your Azure AD app. Required for all SharePoint nodes.
- **`wordpressApi`** :
  Create under **Credentials > WordPress** (use Application Passwords, OAuth, or JWT depending on your setup). Required for all HTTP/WordPress-related nodes.
- **`microsoftOutlookOAuth2Api`** :
  Under **Credentials > Microsoft Outlook OAuth2 API**. Use a registered application, with API access to send mail.

- **`OpenAI API Key`** :
  Used for AI content generation. Go to OpenAI (https://platform.openai.com/account/api-keys) to obtain and set the key as an n8n credential, referenced in all `@n8n/n8n-nodes-langchain.openAi` nodes.
- **`Google Gemini API Key`** :
  Go to Google AI Studio (https://makersuite.google.com/app/apikey), generate a Gemini key, and add in the respective image generation nodes.

> After configuring each node's credentials and replacing all `YOUR_*` placeholders, **run a test execution** to verify correct access to SharePoint, WordPress, and all APIs.

Usage

1. Ensure your SharePoint topics List contains up-to-date entries.
2. Review your schedule in the **Schedule Trigger** node (default: every Monday at 10am). Adjust if needed.
3. After configuration and test, **activate the workflow**.
4. On each trigger, the workflow will:
    1. Fetch one or more new topics from SharePoint.
    2. Retrieve the latest list of WordPress categories.
    3. Use OpenAI to match topics to the best WordPress category.
    4. Generate an AI-powered article body and a professional article title.
    5. Compose an image prompt and generate a feature image using Google Gemini.
    6. Upload the image to WordPress and attach it to the drafted article.
    7. Update the original SharePoint item with the new WordPress post ID.
    8. Send a notification email with details (title, summary, post link) to your specified recipients.
5. Review drafted articles in your WordPress admin panel. Edit or publish as needed.
6. If using sub-workflows (eg: for advanced image processing), ensure referenced workflow IDs and credentials remain current.

> For debugging or auditing, n8n's execution history provides detailed logs at each step. You may clone and modify the workflow for multiple sites or advanced category/image logic.

Troubleshooting

- **Authentication errors (~"401", "403", or "invalid credentials"):** Double-check that all credentials for SharePoint, WordPress, OpenAI, Gemini, and Outlook are entered and authorized properly.
- **SharePoint node errors:** Confirm that `YOUR_SHAREPOINT_SITE_ID` and `YOUR_SHAREPOINT_LIST_ID` are correct and that your Azure app has the required permissions (Sites.Read.All, Sites.ReadWrite.All).
- **WordPress node failures:** Make sure REST API is enabled and the user connected has privileges to post and upload images.
- **AI nodes fail ("quota exceeded", "invalid key", or "timeout"):** Check OpenAI and Google Gemini key status; review API quotas or limits.
- **Image upload issues:** Confirm WordPress media storage is accessible, and no file size limits are exceeded.
- **Email notifications not sent:** Verify Microsoft Outlook credential status and correct recipient addresses in `YOUR_NOTIFICATION_EMAIL`.
- **General errors or stuck runs:** Review the n8n execution log for error step; export logs and contact support if unresolved.

Support

Questions or need issue resolution? Reach our automation experts at:

AI Solutions, Inc.
support@ais.email (mailto:support@ais.email) | automatedintelligentsolutions.com (https://automatedintelligentsolutions.com) | 404-293-0331

For custom features, onboarding, or managed workflow hosting — we're ready to help!

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