



N8N CourtListener Case Monitor

Automated Legal Decision Posting Workflow

Overview

N8N CourtListener Case Monitor is a fully automated, scheduled workflow for monitoring new court decisions via [CourtListener.org](https://www.courtlistener.org) and publishing validated, AI-drafted case summary posts directly to your WordPress site.

Key Capabilities:

- Automates periodic checks for new court opinions based on custom queries.
- Filters results for uniqueness and relevance.
- Uses OpenAI GPT-4 to draft human-readable case summaries.
- Publishes approved cases to your WordPress site with full API authentication.
- Logs a summary of each workflow run and error case for auditability.

Prerequisites

- Access to a running [n8n](#) workflow automation instance (hosting or local)
- Administrator access to the destination WordPress website with **REST API** enabled
- An **OpenAI API key** with GPT-4 model access (or equivalent LLM API)

- WordPress plugin or endpoint to keep track of already-posted case URLs (deduplication endpoint)
- Basic familiarity with n8n workflow configuration
- Workflow credentials for external API calls, including `openAiApi`

Installation

1. Download the Workflow:

Obtain the JSON definition for `N8N-CourtListener-CaseMonitor` provided by AI Solutions, Inc. ([contact support](#) if needed).

2. Import into n8n:

1. Log into your n8n instance.
2. On the main dashboard, click **Import** (usually top-right) → Paste or upload the JSON file.
3. Review the imported workflow; it should show **17 nodes** with clear labels as per this guide.

3. Credential Preparation:

Please **do not activate** the workflow until all configuration and credentials (see below) are in place.

Configuration

1. Scheduling the Workflow

- By default, the node `When Scheduled at 7 AM` is set to run **daily at 7:00 AM** server time.
- To adjust, click the node and modify the cron pattern or select a different recurrence.

2. Site Connection Details

Config Field	Description / Sample
<code>site_url</code>	Your WordPress site's base URL for REST API: <i>Example:</i> <code>https://yourdomain.com/wp-json/your-plugin/v1/</code>
<code>api_key</code>	API key or token needed for authenticating REST API requests to WordPress. Set according to your API authentication mechanism. <i>Example:</i> <code>sk_your-secret-key</code>

- These parameters are set in the `Prepare Site Configuration` node.
- Your WordPress REST API must accept POST requests and authenticate using a key/bearer token as set above.

3. OpenAI API Credentials

- The workflow uses OpenAI GPT-4 (or compatible) for AI summarization via:
 - Node: `OpenAI GPT-4 Model` (`@n8n/n8n-nodes-langchain.lmChatOpenAi`)
- In n8n, go to **Settings** → **Credentials**, create a new credential:
 - Type: `OpenAI API`
 - Paste in your API key
- Link this credential in the node's configuration as required.

4. (Optional) WordPress Plugin/Endpoint for Known URLs

- The node `Post To Check Known URLs` expects a POST endpoint that returns which URLs are **already published**.
- This deduplication helps prevent reposting the same legal decisions.

- Confirm your WordPress site/plugin supports this endpoint, and adjust in the workflow if your path or authentication differs.

5. Customizing CourtListener Query

- Edit the node `Build CourtListener Query` to adjust parameters:
 - Jurisdiction, date, court, topic, or any valid CourtListener API filter
- See [CourtListener API docs](#) for fields.

Credential Overview

Credential Name	Where Used	Type	Purpose
WordPress API	All <code>HttpRequest</code> nodes posting to your site	Generic HTTP Authentication / API Key	Post new cases; check known case URLs
OpenAI API (<code>openAiApi</code>)	<code>OpenAI GPT-4 Model</code>	OpenAI API Key	Drafts AI-generated case summaries via GPT-4 (or compatible)

Usage

1. Test Your API Connections:

Use n8n's `execute node` feature individually to verify:

- WordPress API credentials (POST success)
- OpenAI API credentials (simple prompt test)
- CourtListener API fetch (search returns results)

2. **Activate the Workflow:**

Toggle the workflow switch **on** after all tests and configuration are successful.

3. **Let It Run Automatically:**

The scheduler will fetch, deduplicate, summarize, and post new court opinions every morning (or on your chosen schedule).

4. **Review Published Posts & Logs:**

Check your WordPress site for new case posts.

Workflow logs can be reviewed in n8n for run summaries and errors.

5. **Customize & Scale:**

Adjust CourtListener queries, LLM prompts, or notification options as your needs evolve.

Workflow Node Summary

Step	Description
When Scheduled at 7 AM	Triggers the workflow on schedule (configurable)
Prepare Site Configuration	Loads endpoint URLs and API keys
Fetch Plugin Configuration	Verifies or loads any extra plugin settings from your site
Build CourtListener Query	Composes the search/filter for CourtListener API
Retrieve CourtListener Search	Executes the API request and fetches case opinions
Normalize Opinion Data	Cleans up and structures returned case data
If Results Found	Branches workflow if any cases are present
Prepare Check Payload	Structures a payload of case URLs to check for duplicates

Post To Check Known URLs	Sends request to WordPress for already-posted cases
Filter New Results	Keeps only new/unposted court decisions
If Any New Decisions	Branches if any unposted cases remain
Draft Case Post with AI	Uses GPT-4 to summarize and draft case posts (<i>LangChain integration</i>)
OpenAI GPT-4 Model	Structurally generates AI responses for case summaries
Parse Draft JSON	Parses returned AI output into structured data
Filter Valid Drafts	Ensures only valid, non-empty, well-formed drafts are kept
Post Case to Site	Creates a new WordPress post via API
Compile Run Summary	Assembles a log/summary of the workflow's actions

Troubleshooting

Workflow Fails to Trigger

- Confirm the schedule settings in `When Scheduled at 7 AM`.
- Check that the workflow status is **active** (green toggle in n8n UI).
- Review n8n logs for scheduler or background operation issues.

WordPress API/Authentication Errors

- Ensure `site_url` and `api_key` values are correctly set, including correct endpoint paths.
- WordPress must either whitelist your n8n source IP, or use an authentication plugin for REST API keys/tokens.

- Test with a tool like **curl** or **Postman** to confirm API access from the n8n host.

OpenAI/LLM Node Errors

- Check your OpenAI credential in n8n settings and verify GPT-4 plan access.
- Ensure you have not exceeded rate or quota limits with your OpenAI key.
- Network/firewall issues may block outbound calls from n8n.

No New Cases Being Posted

- Verify your CourtListener query (filter dates, court, or jurisdiction) in **Build CourtListener Query** node.
- Test the CourtListener API URL and see what cases are returned (node execution output).
- Check deduplication: review your known URLs endpoint and ensure it's reporting correctly.

Other Issues

- Check all n8n node output steps for error messages or skipped data.
- Reach out to support if workflow logic or API integration needs further customization.

Support

AI Solutions, Inc. offers direct workflow support, API integration help, and workflow customization.

Please have your workflow JSON, error logs, and system configuration ready when contacting support.

AI Solutions, Inc. – support@ais.email – automatedintelligentsolutions.com
– 404-293-0331