N8N-Mailbox Digest
Setup & User Guide

Overview

The **N8N-Mailbox Digest** automates the retrieval, analysis, and notification of relevant emails in your mailbox. Utilizing AI and live web search integrations, it transforms unread messages into a focused HTML email digest, delivered to your inbox every 5 hours.

Key features:

- Scheduled email retrieval (every 5 hours) via IMAP.
- AI-powered relevance scoring and filtering (OpenAI GPT-4).
- Automatic topic aggregation and analysis.
- Web research on highlighted topics (Tavily).
- Digest creation and delivery via Gmail.

Prerequisites

- **n8n** instance (cloud or self-hosted, v1.49+ recommended).
- **IMAP credentials** to access your email inbox.
- **OpenAI API key** (for relevance scoring & topic research).
- **Tavily API key** (for live web research, get one here).
- **Gmail API OAuth2 credentials** (to send digest emails).
- Permission to create/manage credentials on your n8n instance.
- (Optional) Organizational IT approval if accessing work mailboxes.

Installation

1. Download the **N8N-Mailbox Digest JSON workflow** provided by AI Solutions, Inc.

2. Log into your **n8n** instance.
3. From the upper right menu, select `Import workflow`.
4. Select the workflow JSON file and complete the import process.
5. The workflow will now appear in your workflow list.

> After import, **do not forget** to configure all required credentials and email addresses as outlined below.

Configuration

Placeholders

Placeholder	Description	How to Configure
`YOUR_EMAIL`	The email address to receive the digest (typically your main mailbox).	Replace with your destination email address in the "Send Digest via Gmail" node. Example: `john.doe@company.com`

Credential Types to Create in `n8n`

Credential (Node)	Type	Purpose	Where to Set in Workflow
IMAP Credentials (Retrieve/Remove Unread Emails via IMAP)	IMAP	Access your mailbox to read and remove emails.	In nodes: `Fetch Unread Emails via IMAP` and `Remove Processed Emails`
OpenAI API Key (Relevance & Research Models)	OpenAI API	Enables GPT-4 models for scoring and researching emails/topics.	In nodes: `Use OpenAI GPT-4 for Scoring` and `OpenAI GPT-4 for Research`
Tavily API Key (Conduct Tavily Web Search)	Tavily API	Web search for further insights about email topics.	In node: `Tavily Web Search`
Gmail API OAuth2 (Send Digest via Gmail)	Gmail OAuth2	Sends the constructed digest to `YOUR_EMAIL`.	In node: `Deliver Digest via Gmail`

Credential Creation Steps

1. 1. Create **IMAP Credentials**:
    - Go to `Credentials` in n8n.
    - Type: IMAP.
    - Provide your email server, port, email address, and password or app-specific password.
2. 2. Set Up **OpenAI API Key**:
    - Obtain an API key from OpenAI.
    - Add credential of type OpenAI API in n8n.
3. 3. Set Up **Tavily API Key**:
    - Sign up & generate API key at tavily.com.
    - Add credential of type Tavily API in n8n.
4. 4. Configure **Gmail API OAuth2**:
    - Create or use an existing Google Cloud Project.
    - Enable Gmail API, set up OAuth2 credentials (guide).
    - In n8n, add Gmail OAuth2 credential, authorize with your Google account.

Final Mapping Reminder

- Ensure `YOUR_EMAIL` is replaced with the correct recipient email address in the Gmail node.
- All credential fields are **selected in the relevant nodes** within the workflow before activation.

Usage

1. 1. **Activate the workflow** in n8n.
   The workflow will now run every 5 hours automatically as scheduled.
2. 2. **How it works:**
    - Every 5 hours, unread emails are fetched by IMAP.
    - Email metadata is prepared for analysis.
    - Each email is scored for relevance by GPT-4 AI.
    - High-scoring emails are filtered in; others are deleted/archived.

- Topics are aggregated. If relevant topics arise, GPT-4 and Tavily are used for concise research.
- An HTML email digest is generated and sent to your configured address via Gmail.

3. 3. **Receiving your digest:**
   - Every 5 hours, you'll receive an email summarizing important messages and researched topics, styled for quick review.

Troubleshooting

- **Digest not received?**
  Ensure Gmail credentials are authorized, `YOUR_EMAIL` is correct, and the workflow is enabled.
- **No emails are processed?**
  Confirm the IMAP credentials are valid, and the mailbox contains unread email matching IMAP filter settings.
- **AI nodes failing?**
  Make sure OpenAI credentials are active and have enough quota. Double-check API keys.
- **Research data missing?**
  Verify Tavily API key is working and internet access is available on the n8n instance.
- **Duplicate or old emails processed?**
  Validate the "Remove Processed Emails" node is enabled and configured to delete or mark emails after processing.
- **Still stuck?**
  Disable the schedule trigger and use `Execute Node` manually on each step to debug.

> After changing any credentials or the `YOUR_EMAIL` placeholder, always deactivate and reactivate the workflow for changes to take full effect.

Support

For help with installation, configuration, or troubleshooting:

- Email: support@ais.email
- Website: automatedintelligentsolutions.com

- Phone: 404-293-0331

Please provide your n8n workflow export (sanitize sensitive data) and relevant log details for the fastest assistance.

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