**Analyze tradingview.com charts with**

Chrome extension, N8N and OpenAI

Key Components

1. **Webhook Node:**
   * **Purpose:** Acts as the entry point for the Chrome extension's backend. The extension sends a POST request to this webhook.
   * **Configuration:** Uses a unique webhook ID and is set to respond using the response node mode.
2. **OpenAI Node:**
   * **Purpose:** Processes the incoming image (sent in base64 format) using OpenAI's GPT-4o-mini model.
   * **Task:** Analyzes the financial chart image using technical indicators, and provides a concise, easy-to-understand analysis in simple language.
   * **Output:** The AI produces an analysis report detailing its insights, including predictions about market movement and cautionary notes that the analysis is non-binding advice.
3. **Respond to Webhook Node:**
   * **Purpose:** Sends the output generated by the OpenAI node back to the Chrome extension.
   * **Configuration:** Formats the response as plain text based on the analysis content.
4. **Sticky Note Nodes:**
   * **Purpose:** These nodes provide inline documentation within the workflow.
   * **Details:** They describe the purpose of the AI prompt and overall process (e.g., "N8N en OpenAI image analyser" and "AI prompt" for the OpenAI node).

Workflow Data Flow

1. **Incoming Request:**
   * The Chrome extension triggers the workflow by sending a POST request to the Webhook node with an image of a financial chart (encoded in base64).
2. **Image Analysis:**
   * The Webhook node passes the request to the OpenAI node.
   * The OpenAI node receives the image and the pre-configured prompt, then processes the image to generate a financial analysis in simple language.
3. **Response:**
   * The analysis report from the OpenAI node is forwarded to the Respond to Webhook node.
   * The Respond to Webhook node sends this analysis back as the response to the Chrome extension.

Use Case

This workflow is particularly useful for users of a Chrome extension who want quick, AI-generated insights on financial charts without needing deep technical knowledge. The generated analysis:

* Summarizes key technical indicators and market trends.
* Provides a simplified explanation suitable for novice traders.
* Reminds users that the analysis is non-binding advice.