**Auto-label incoming Gmail messages**

with AI nodes.txt

What does this do?

* **Listens for New Emails:**  
  A Gmail trigger watches for incoming emails (using a polling interval) so that whenever a new email arrives, the workflow kicks in.
* **Retrieves Email Content:**  
  Once an email is detected, the workflow fetches the full content of the email using the "Get message content" node.
* **Prepares Label Data:**  
  It extracts and sets the current label values from the email, then retrieves all available labels from your Gmail account. The workflow splits these labels out and merges them to create a comprehensive list of label IDs.
* **AI-Powered Label Assignment:**  
  An AI agent is used to analyze the email’s content. It takes the email text and, based on a prompt you can customize, assigns one or more labels—such as "Partnership," "Inquiry," or "Notification"—that best describe the email.
* **Converts and Validates AI Output:**  
  The AI’s output (expected in JSON format) is then parsed and validated to ensure it’s correctly formatted.
* **Applies the Labels:**  
  Finally, the workflow aggregates the label IDs and uses them to update the email in Gmail, automatically adding the appropriate labels to the message.
* **Guidance Throughout:**  
  Several sticky notes within the workflow provide helpful tips and instructions—like reminding you to set up your credentials, adjust the AI prompt, and ensure label names match between Gmail and your workflow.