

N8N Activity Workflow Documentation

In this activity, you will design an n8n workflow that automates user data processing. The goal is to simulate a real-world automation scenario where data is fetched from an online spreadsheet, filtered, formatted, and exported into categorized reports. This hands-on task will help you understand how to integrate multiple n8n nodes to create a data-driven automation system.

Objective

Create an n8n automation that performs the following tasks:

- Download or copy the sample data from this Google Sheet: [Example Data](#)
- Upload the downloaded sheet in your own Google Sheet or just copy it
- Reads user data from a Google Sheet.
- Separates users based on subscription type (Free or Premium).
- Filters only users with 'Active' status.
- Edits and formats the data fields (e.g., combining first and last names).

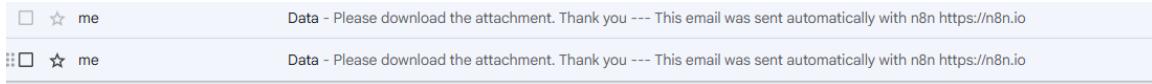
Example Output:

The screenshot shows the n8n interface with the 'OUTPUT' tab selected. The interface has a dark theme with light-colored buttons. At the top, there are several buttons: 'OUTPUT' (selected), a green checkmark, a help icon, a search icon, 'Schema', 'Table', 'JSON', a pencil icon, and a refresh icon. Below these buttons, the text '14 items' is displayed. The list of items consists of six entries, each with a small icon followed by a key and its corresponding value:

- T email jeffreydoyle@hotmail.com
- # age 58
- T country Saint Vincent and the Grenadines
- T status Active
- T subscription_type Free
- T full_name Danielle Johnson

- Converts each filtered group into a CSV file.

- Send the generated CSV files automatically in a Gmail message. The recipient should be yourself.



Description

Your workflow should begin with a trigger node (Manual or Webhook) to initiate execution. Use the Google Sheets node to retrieve the user's records. Next, apply a Switch node to divide the users based on their subscription type. Use a Filter node to keep only active users, then apply a Set node to clean and restructure the data. After that, convert the results into CSV files using the Convert to the File node. Finally, use the Gmail message node to send the generated CSV files to your personal email automatically.

Expected Output

After running the workflow successfully, two CSV files should appear in your connected Google Drive:

1. free.csv — Contains all Active users with Free subscription.
2. premium.csv — Contains all Active users with Premium subscription.

Each CSV file should include the following fields: Full Name, Email, Age, Country, Status, and Subscription Type.

Notes

- Ensure your Google Sheets and Gmail credentials are properly connected in n8n.
- You can test the workflow using the Manual Trigger before switching to the Webhook Trigger.