

WhatsApp-Driven Google Drive Assistant – Task 2

Objective: Use WhatsApp messages to control Google Drive via an automated workflow using n8n.

Stack: n8n, Twilio (WhatsApp Sandbox), Google Drive API, Optional: OpenAI GPT-4o

■ **Features:**

- WhatsApp command input (via Twilio)
- Google Drive integration (list, move, delete files)
- AI-powered summaries of files (optional)
- Logs of actions via n8n
- Easily extendable and secure

■ **Setup Instructions:**

1. Unzip the project folder
2. Install n8n (via Docker or globally with npm)
3. Go to <http://localhost:5678>
4. Import the workflow.json file
5. Set up Twilio credentials and WhatsApp Sandbox
6. Set up Google Drive OAuth2 credentials
7. Activate the workflow
8. Send WhatsApp commands to interact with Google Drive

■ **Sample Input (WhatsApp Commands):**

| Command | Description |
|------------------------------------|---|
| LIST /ProjectX | Lists all files in the /ProjectX folder |
| DELETE /ProjectX/report.pdf | Deletes 'report.pdf' from /ProjectX |
| MOVE /ProjectX/report.pdf /Archive | Moves the file to /Archive folder |
| SUMMARY /ProjectX | Summarizes content of all files in folder |

■ **Sample Output (WhatsApp Replies):**

User: LIST /ProjectX

Bot: Listed files for /ProjectX:

- project_notes.docx
- report_final.pdf

User: SUMMARY /ProjectX

Bot: Summary for /ProjectX:

- project_notes.docx - Meeting notes about upcoming deadlines.
- report_final.pdf - Financial analysis for Q2.

■ **Logs & Safety:**

All actions can be logged using a Google Sheet node in n8n. For delete/move actions, confirmation prompts or safeguards can be added easily.

■ ***Project Files:***

- workflow.json → n8n automation flow
- README.md → Setup instructions

■ *This PDF includes Task 2 documentation, sample inputs/outputs, and setup steps.*