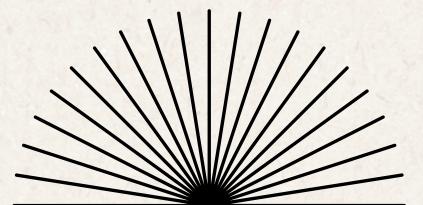


AUTOMATED WORKFLOW USING N8N

Connecting YouTube, Slack, and Google Sheets

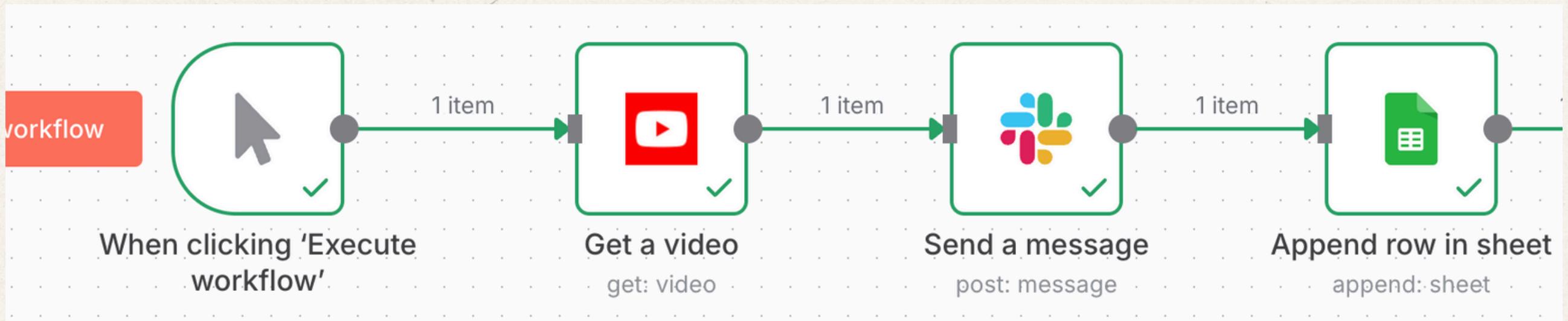
NAME OF PROJECT:
n8n usecase

PRESENTED BY:
Adwaitha

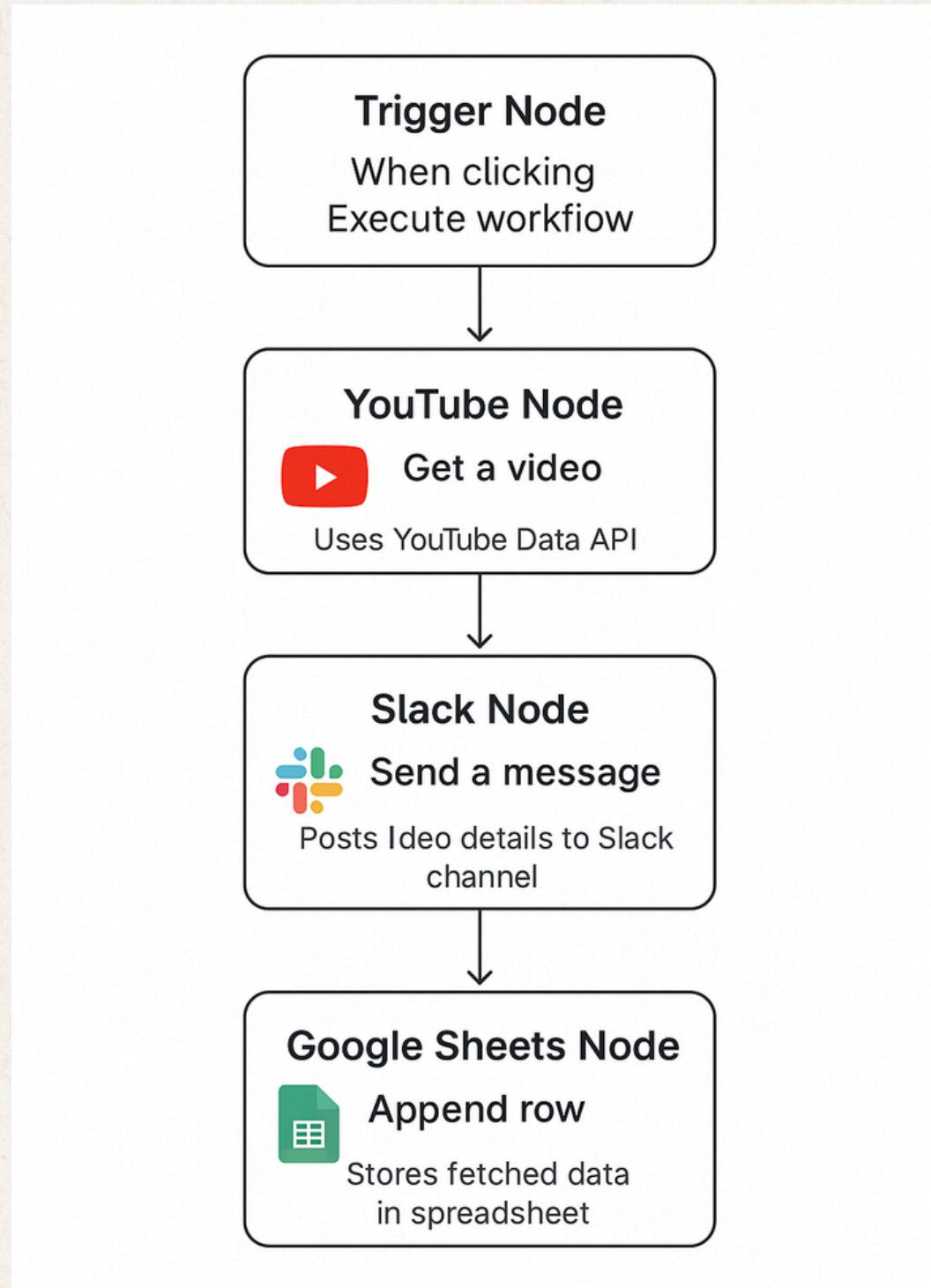


Overview of workflow:

- The workflow integrates:
- YouTube – Fetches video data
- Slack – Sends instant team notifications
- Google Sheets – Stores data for analysis
- Purpose: Automate video tracking and communication.



Architecture:



Trigger Node:

Starts the workflow manually or on a schedule.

(In this setup, it's manually executed using “Execute Workflow.”)

YouTube Node:

Connects to the YouTube Data API v3 using OAuth credentials.

Fetches video details like title, URL, publish time, and description.

Slack Node:

Sends a formatted message containing the video’s title and link to a chosen Slack channel.

Keeps the team updated about new videos instantly.

Google Sheets Node:

Appends the same video details into a Google Sheet for record keeping and analytics.

Each run creates a new row with the latest video data.

Importance of Slack in the Workflow:

- Provides real-time notifications to team members.
- Avoids the need to constantly check the Google Sheet.
- Helps in collaboration and quick response.
- Sheets serve as long-term storage; Slack serves for instant awareness.

Key Benefits:

- Time Saving: Eliminates manual video tracking and messaging.
- Automation: Reduces repetitive tasks using integration.
- Transparency: Google Sheets maintains all records.
- Team Efficiency: Slack alerts ensure faster action.

Use Case Scenarios:

- Marketing Teams: Automatically notify when new promotional videos are uploaded.
- Content Creators: Track published content across platforms.
- Education Platforms: Notify teams when new tutorials are available.
- Project Updates: Store and share automated progress updates.

THANK YOU