

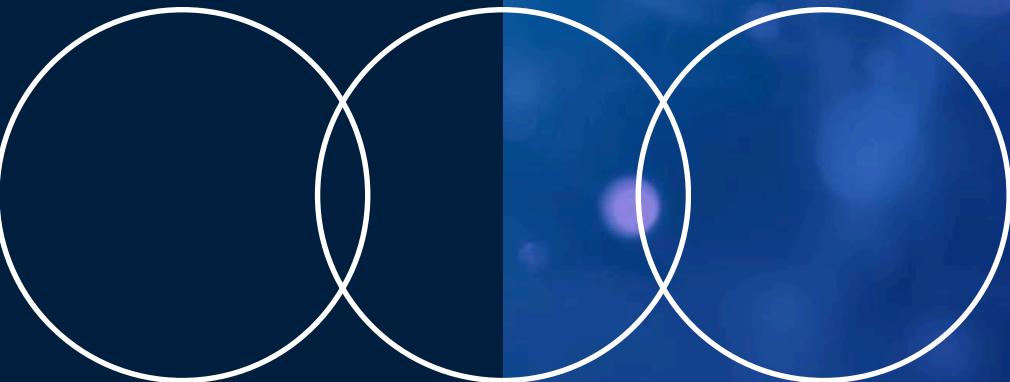
# N8N: The Workflow Automation Tool for the AI Age

Open-Source • Self-Hostable • AI-Ready

Streamline Your Software Engineering

Processes

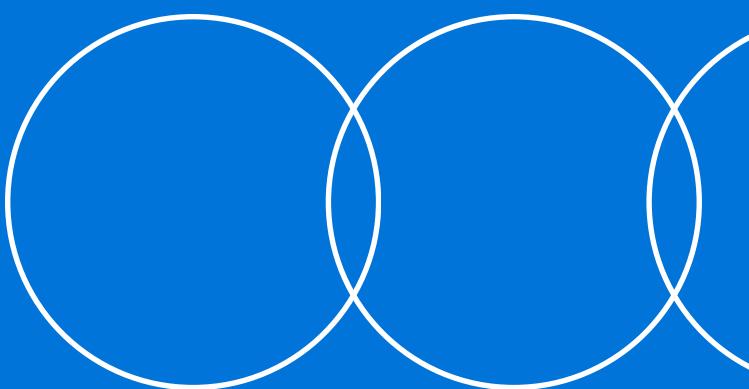
November 10, 2025



# What is N8N?

## A Powerful Automation Tool

It is an **open-source no-code/low-code** workflow automation platform that enables users to easily connect different applications and services to automate repetitive tasks without needing to write code. For more complex or custom automations, code can optionally be implemented to extend functionality.



# Core Features



Empowering Your Workflows

## Visual Workflow Editor

- Drag-and-drop node connections
- Real-time execution preview
- Test individual steps without running entire workflow

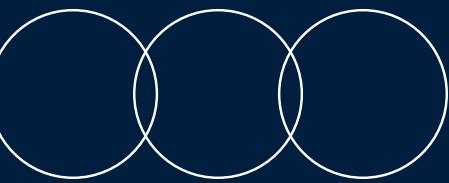
## Integrations

- 1000+ pre-built integrations
- HTTP Request node for any API

## Logic & Control

- IF/ELSE conditions
- Loops and iterations
- Data transformation
- Error handling with optional branches

# Integrations





**Google Sheets**

Google Sheets is a web-based spreadsheet program offered by...



**AI Agent**



**HTTP Request**



**Gmail**

Gmail is a free of charge email service offered as part of Google Workpac...



**OpenAI**

OpenAI, the creator of ChatGPT, offers a range of powerful models includin...



**Slack**

Slack is a powerful collaboration tool for businesses of all sizes. It brings...



**Telegram**

Telegram is one of the fastest and most secured messaging apps on th...



**Google Gemini**

Google Gemini is an AI assistant app that answers questions, summarizes...



**Anthropic**

The Anthropic app, built by the creators of Claude, is an AI chat...



**Airtable**

Airtable is the best tool to develop your business. It helps you connect,...



**Google Drive**

Google Drive is a storage and synchronization service offered by...



**Webhook**

Webhooks are automatic notifications that apps send when something...



**MySQL**

The relational database management system MySQL is free and open-...



**Spreadsheet File**



**Telegram Trigger**

Telegram is one of the fastest and most secured messaging apps on th...



**GitHub**

GitHub is the number one platform for developers. It boosts their...



**Google Calendar**

Google Calendar is a time-management and calendar service...



**MongoDB**

MongoDB is a data platform for developers that serves as a...



**Microsoft Excel 365**

Microsoft Excel is the most famous spreadsheet tool in the world. It is...



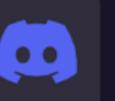
**Notion**

Notion is an all-in-one workspace for you and your team. It helps team...



**Supabase**

Supabase is an open-source Firebase alternative that provides all the...



**Discord**

Discord helps a group of people communicate online and share...



**Postgres**

Postgres, or PostgreSQL, is a free, open-source tool that helps you...



**Send Email**

# Use Cases

## Automation & Data Management

- Automate sprint coordination by syncing Jira or GitHub issues into Google Sheets for cross-team visibility
- Automatically upload deployment logs or build artifacts from Slack/Teams channels to a centralized cloud storage
- Aggregate system metrics and incident reports from multiple monitoring tools into one organized dashboard or spreadsheet

## Data Processing

- Collect and transform bug report data from internal forms/tools for engineering analysis
- Automatically generate weekly development progress summaries and email them to stakeholders
- Sync ticket status and developer assignments across multiple platforms (Jira, GitHub Projects) to keep systems aligned



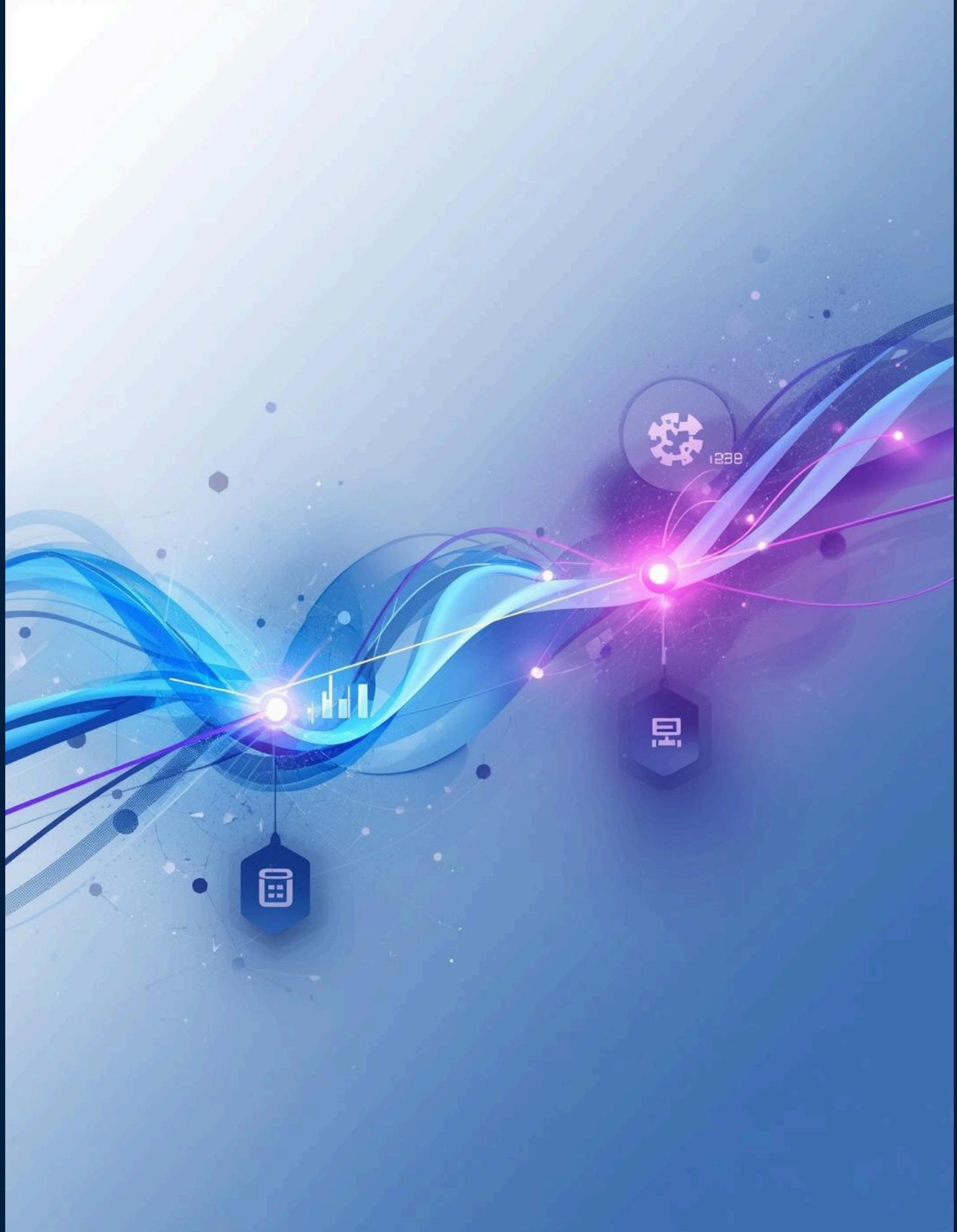
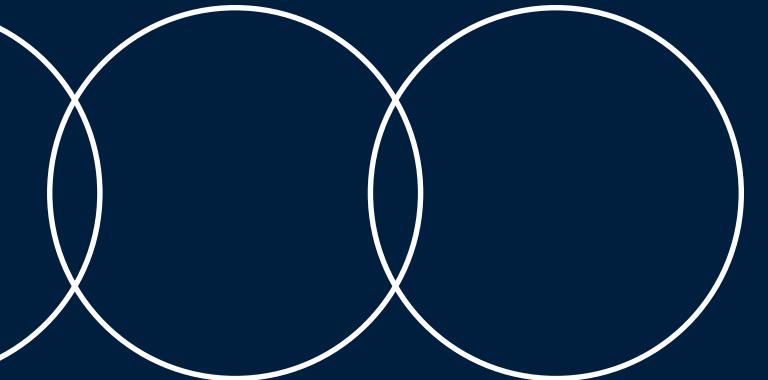
# Who can use N8N?

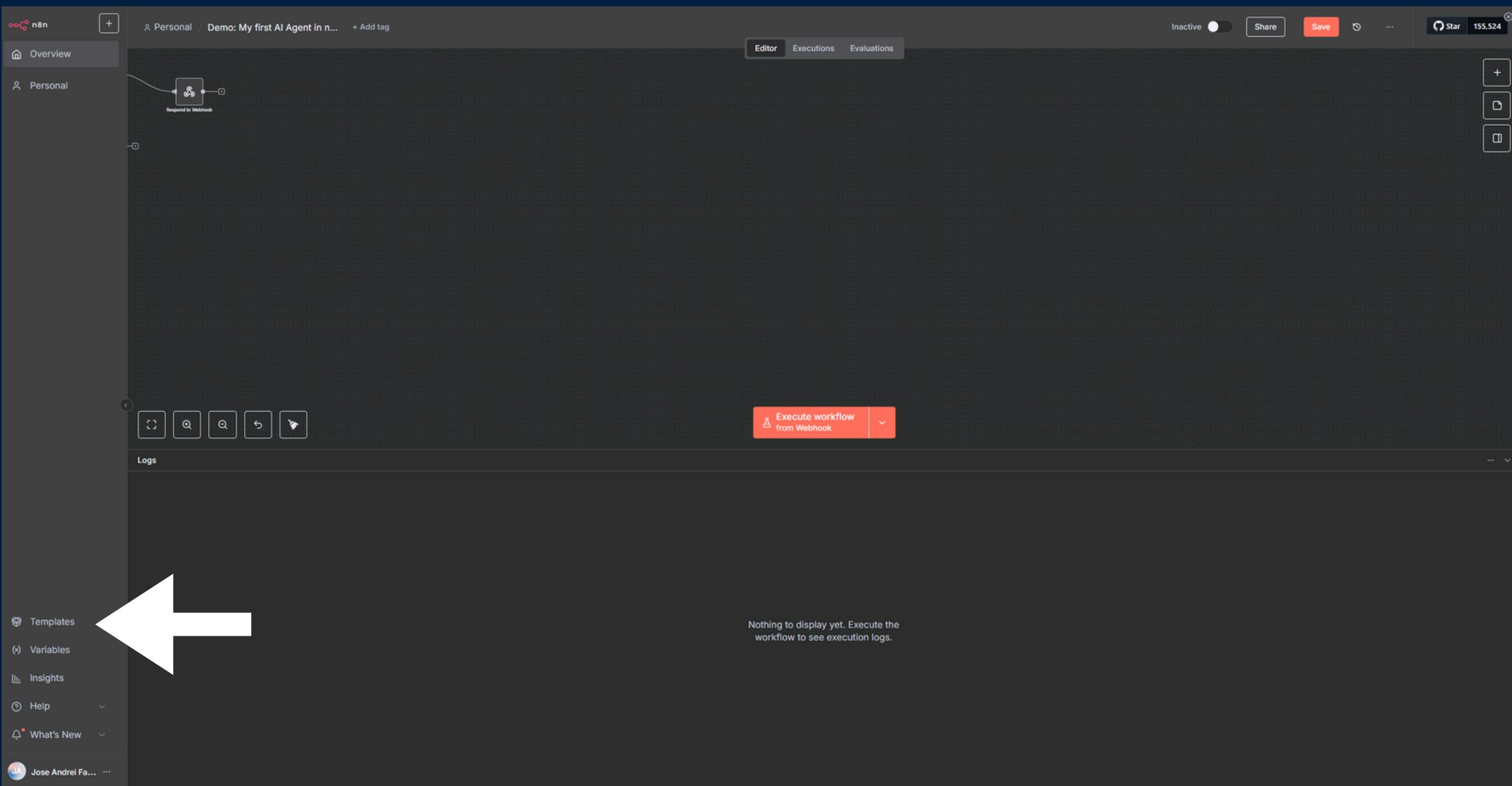
## Perfect For:

- **Developers & Technical Teams** - Need code-level control
- **Growing Startups** - Want to scale without per-user fees
- **Data-Conscious Organizations** - Require on-premises deployment
- **AI-Focused Teams** - Building LLM-powered workflows
- **Cost-Sensitive Businesses** - High automation volume



# Easy Way to Get Started





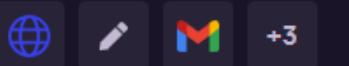
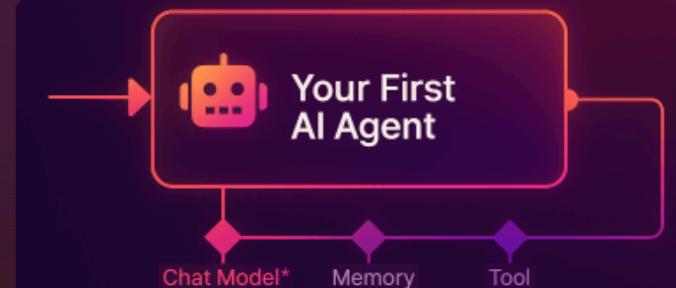
# Pre-made Workflow Templates

Newcomer essentials: learn by doing



## Build Your First AI Agent

Lucas Peyrin



## Learn n8n Basics in 3 Easy Steps ✨

Miha



## Personal Life Manager with Telegram, Google Services & Voice-Enabled AI

Derek Cheung



## Talk to Your Google Sheets Using ChatGPT-5

Robert Breen



## Generate AI Viral Videos with VEO 3 and Upload to TikTok

Dr. Firas



## Learn JSON Basics with an Interactive Step-by-Step Tutorial for Beginners

Lucas Peyrin



## Learn Code Node (JavaScript) with an Interactive Hands-On Tutorial

Lucas Peyrin

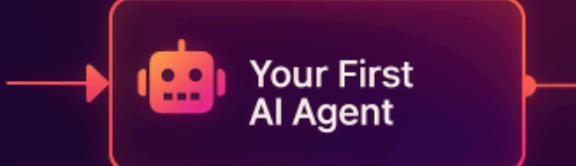
## Newcomer essentials: learn by doing



### Build Your First AI Agent



Lucas Peyrin ✓



#### Your First AI Agent

Chat Model\* Memory Tool



### Learn n8n Basics in 3 Easy Steps ✨



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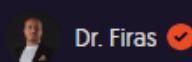
### Talk to Your Google Sheets Using ChatGPT-5



Robert Breen ✓



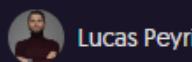
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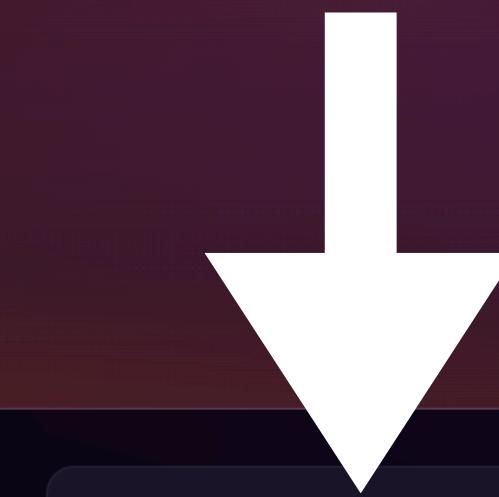
Lucas Peyrin ✓



### Learn Code Node (JavaScript) with an Interactive Hands-On Tutorial



Lucas Peyrin ✓

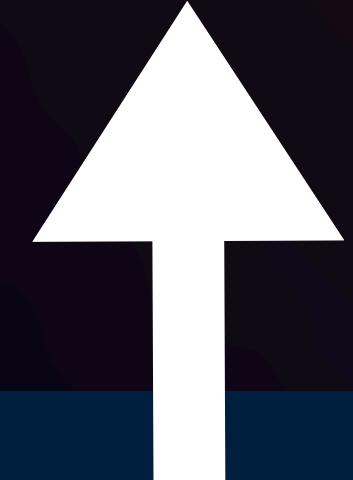


[← Back to Templates](#)



# Personal Life Manager with Telegram, Google Services & Voice-Enabled AI

[Use for free](#)

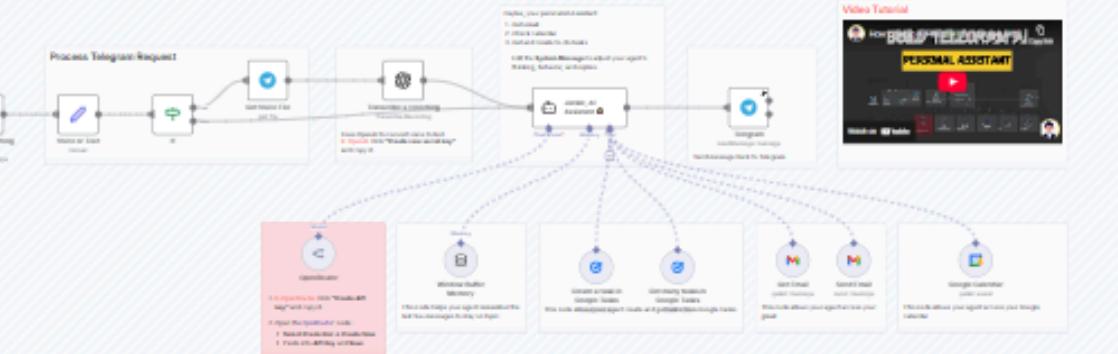


## Try It Out!

Learn how to implement a workflow that handles user requests via Telegram to manage your agenda.

Get started:

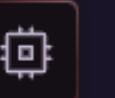
- 1. Create an account on Telegram, https://t.me/joinchat/
- 2. Add the BotFather bot to your Telegram account.
- 3. Start a conversation with the BotFather bot.
- 4. Enter the command "/start" to begin the process.
- 5. Enter the command "/help" to view available commands.



## Use template

X

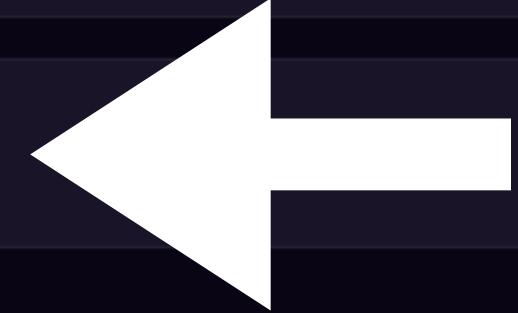
Import to an n8n destination



Import template to **localhost:5678** self-hosted instance



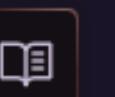
Copy template to clipboard [JSON]



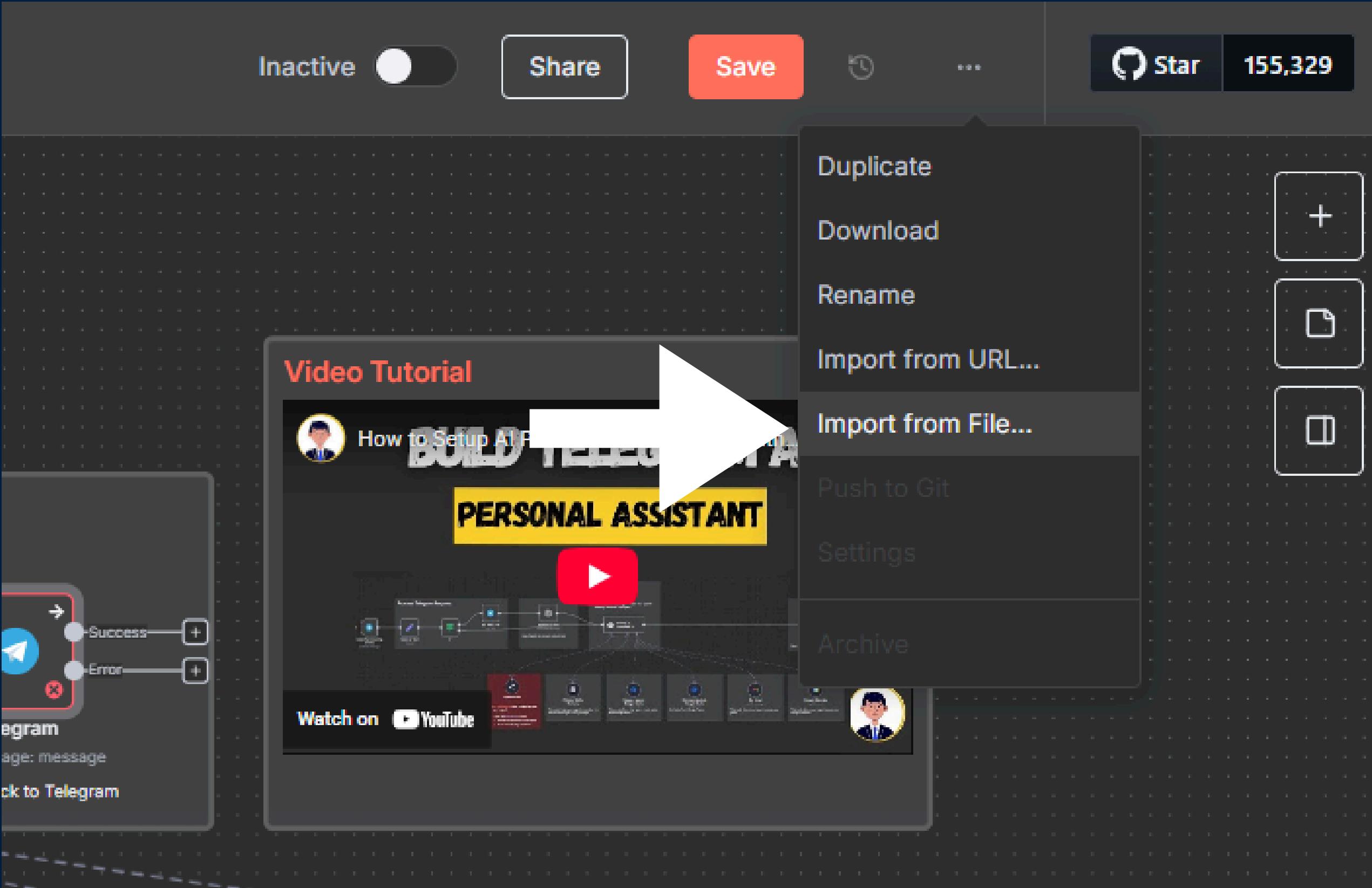
Get started with n8n



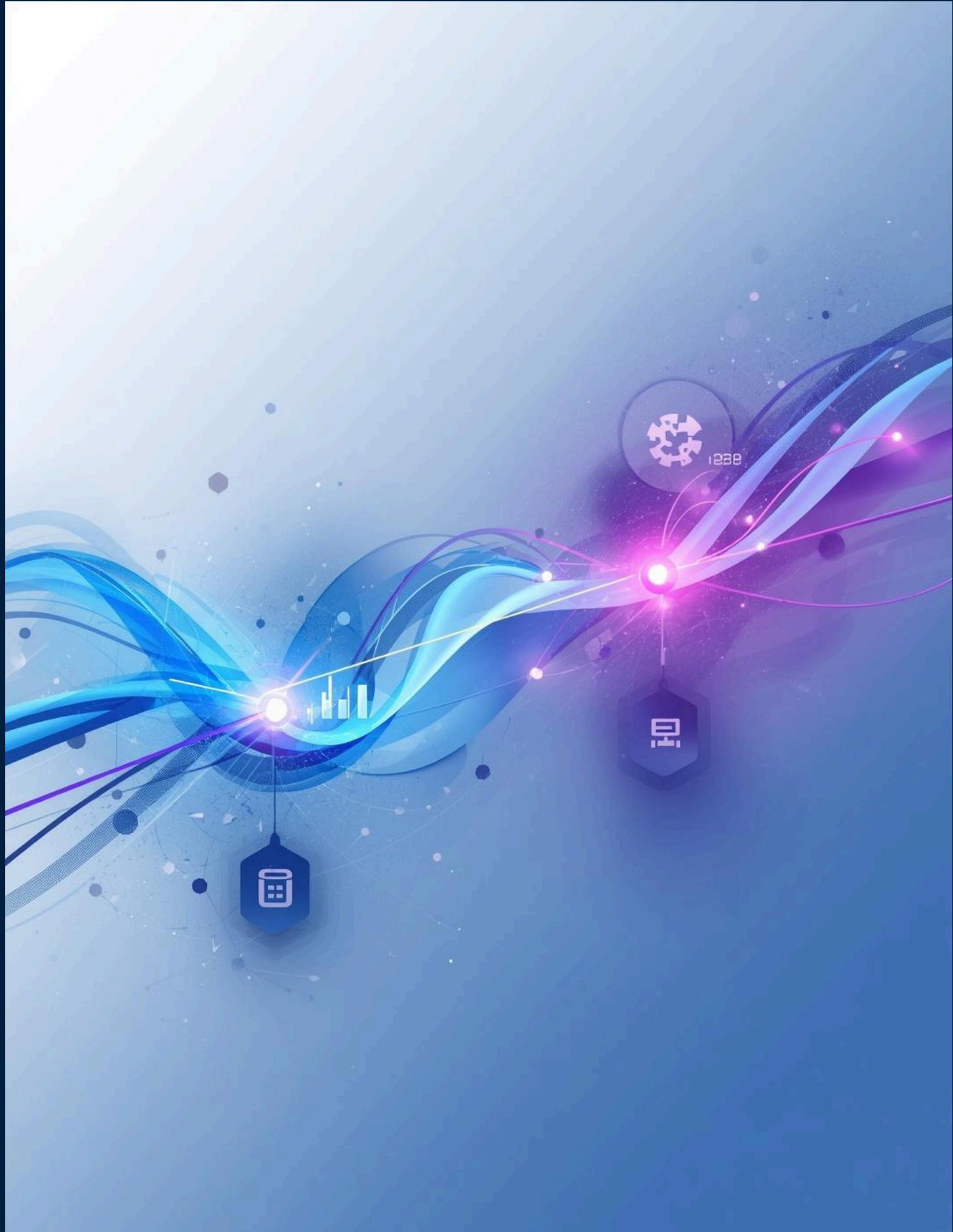
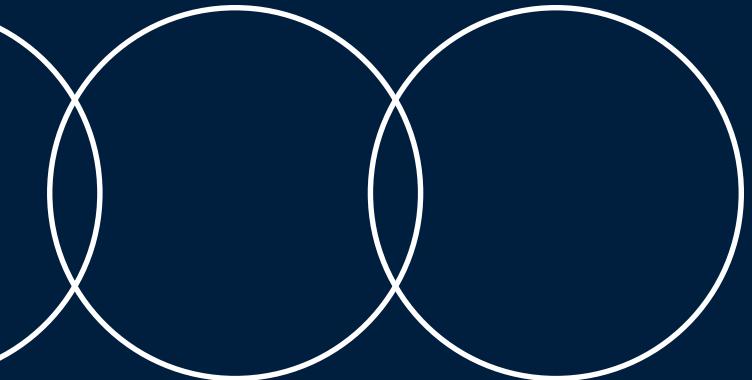
Get started free with n8n cloud



Open self-hosting installation docs



# IMPORTANT NODES



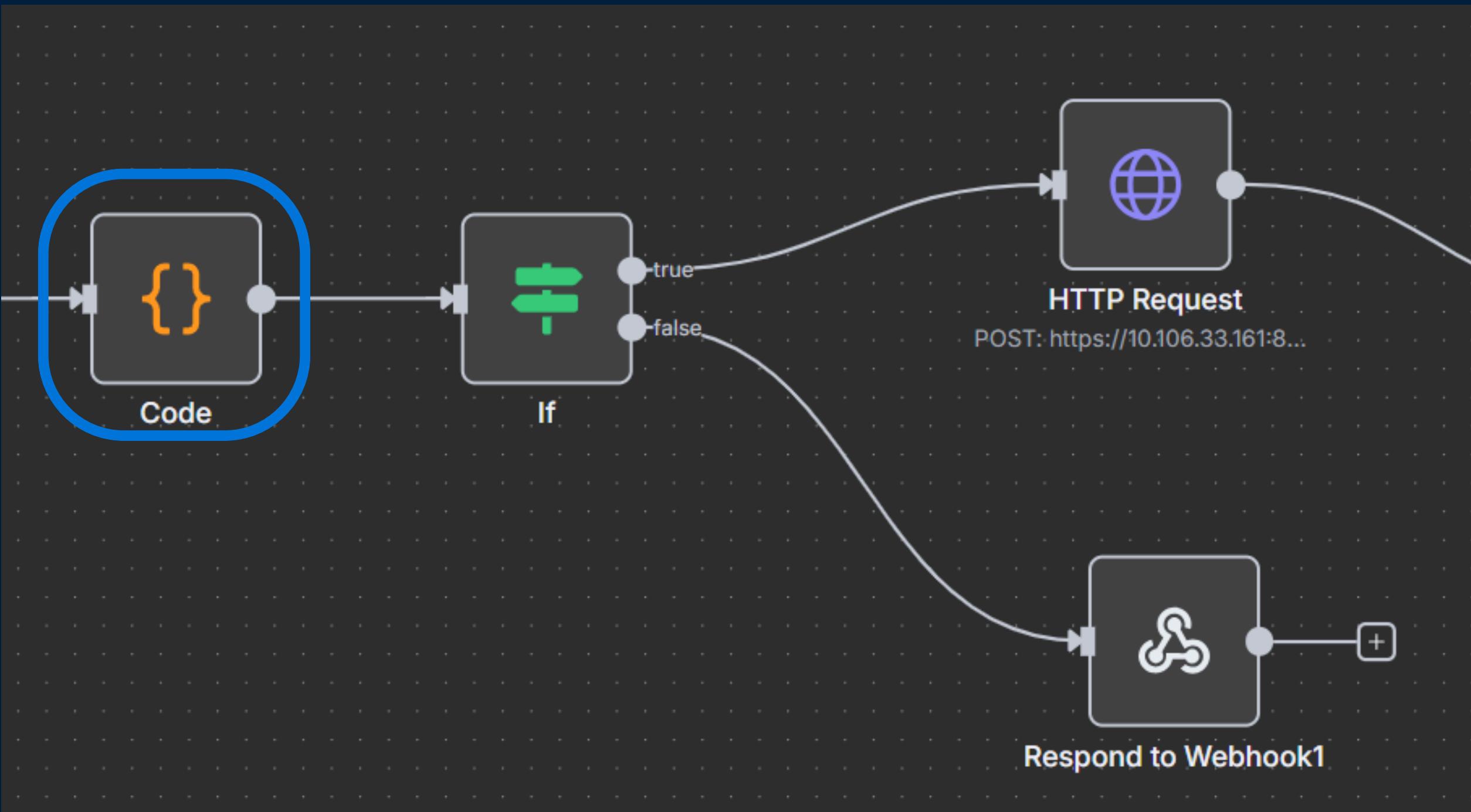
# Trigger Nodes

- Trigger manually**  
Runs the flow on clicking a button in n8n. Good for getting started quickly
- On app event**  
Runs the flow when something happens in an app like Telegram, Notion or Airtable
- On a schedule**  
Runs the flow every day, hour, or custom interval
- On webhook call**  
Runs the flow on receiving an HTTP request

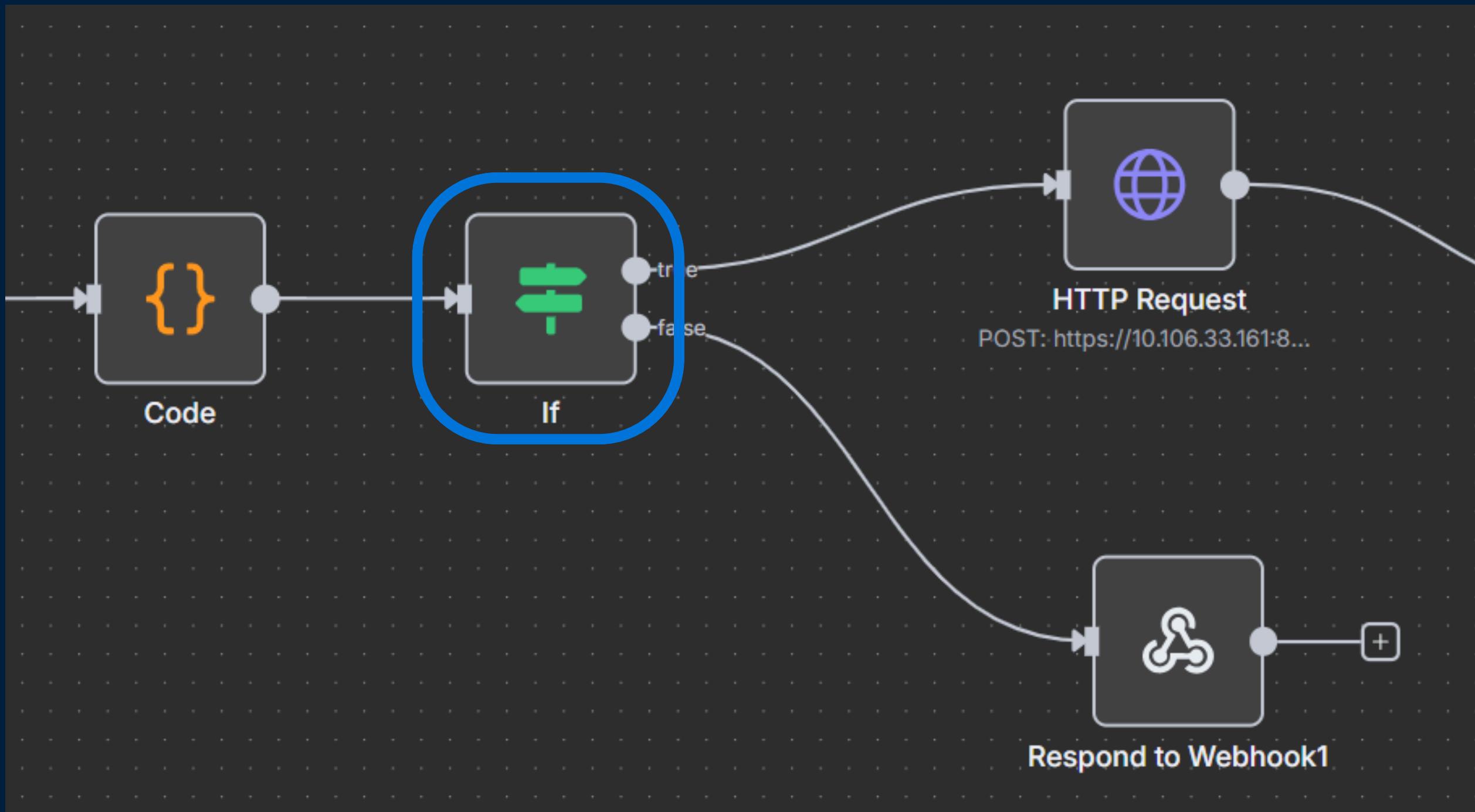
- On form submission**  
Generate webforms in n8n and pass their responses to the workflow
- When executed by another workflow**  
Runs the flow when called by the Execute Workflow node from a different workflow
- On chat message**  
Runs the flow when a user sends a chat message. For use with AI nodes
- When running evaluation**  
Run a dataset through your workflow to test performance



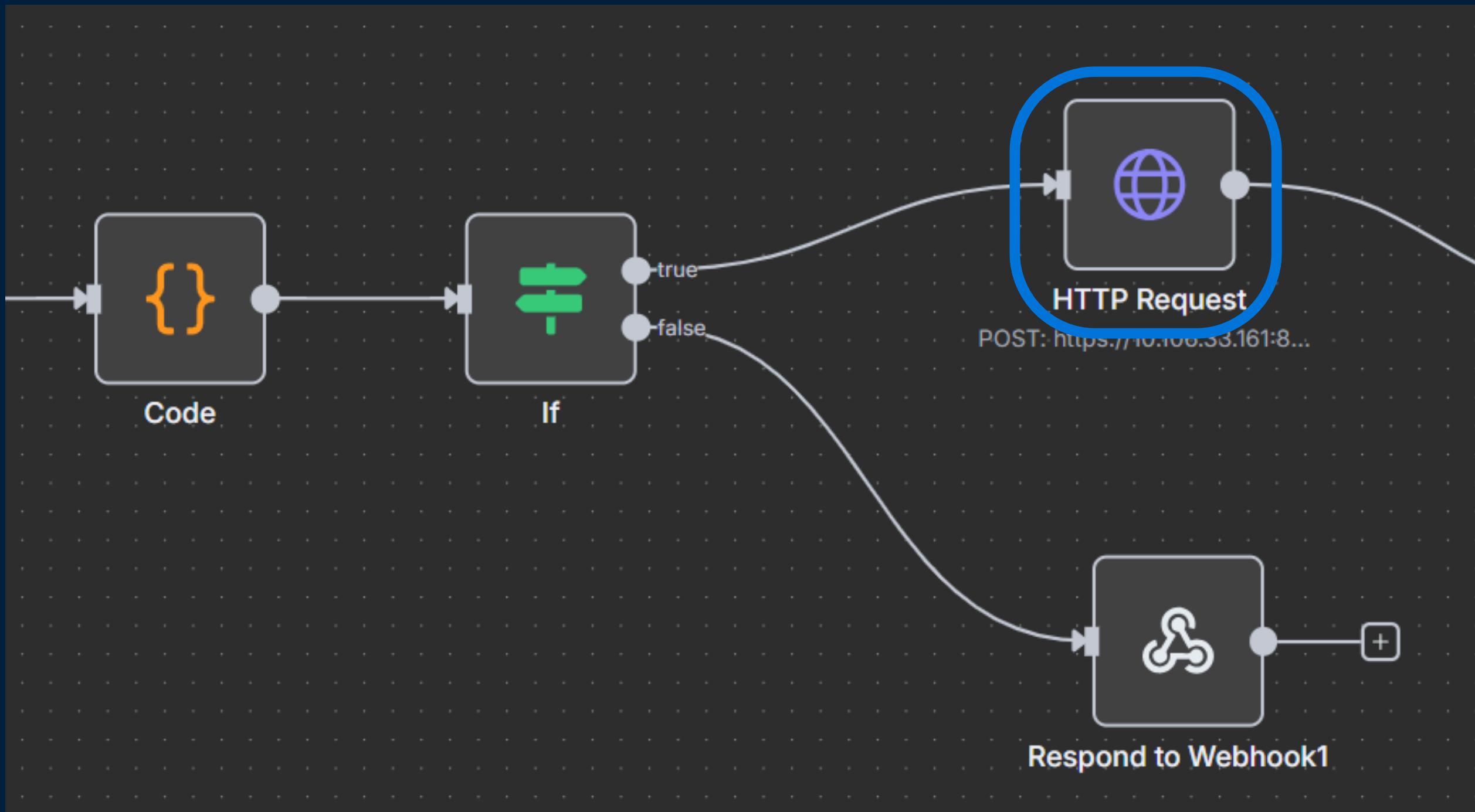
# Code Node



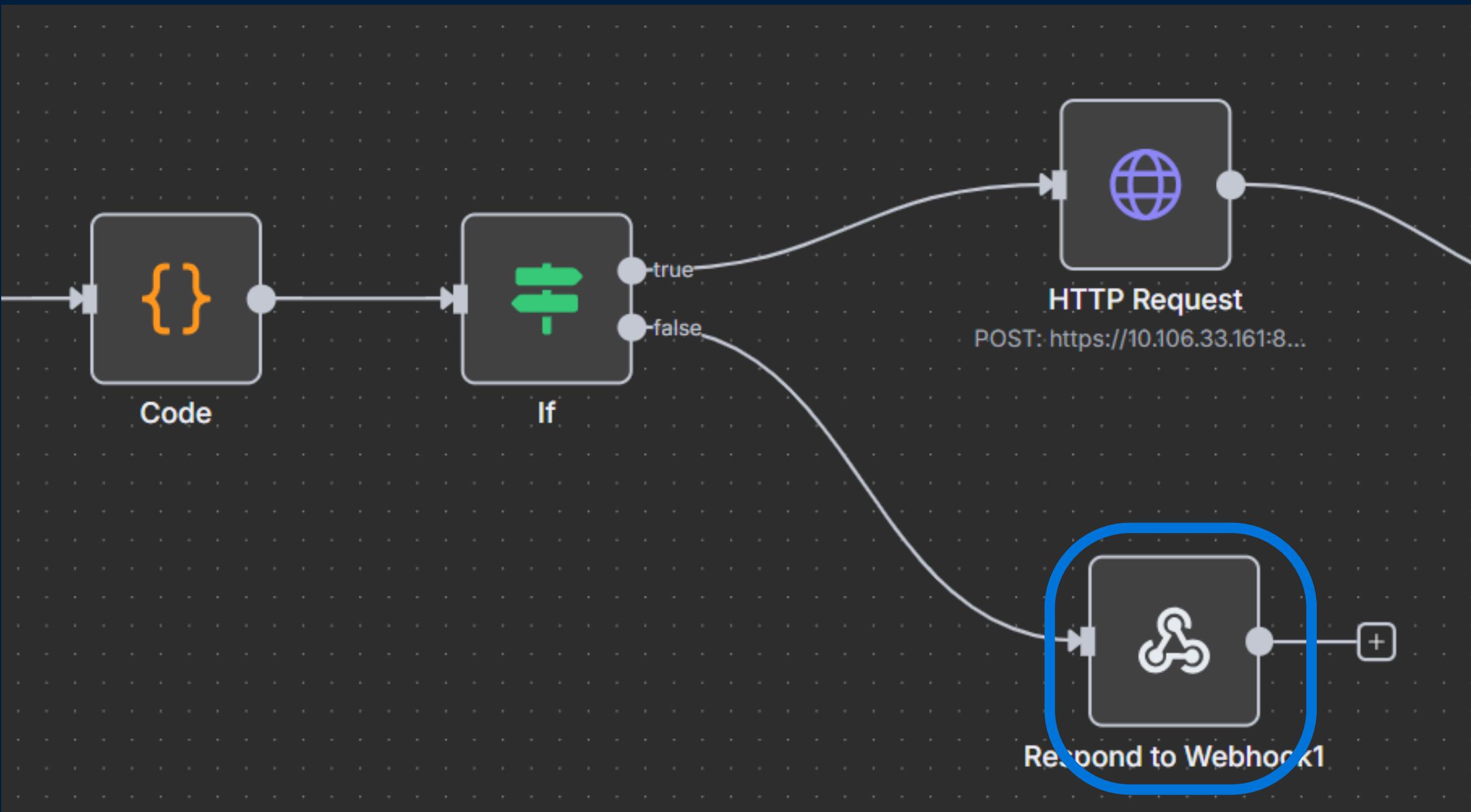
# If Node



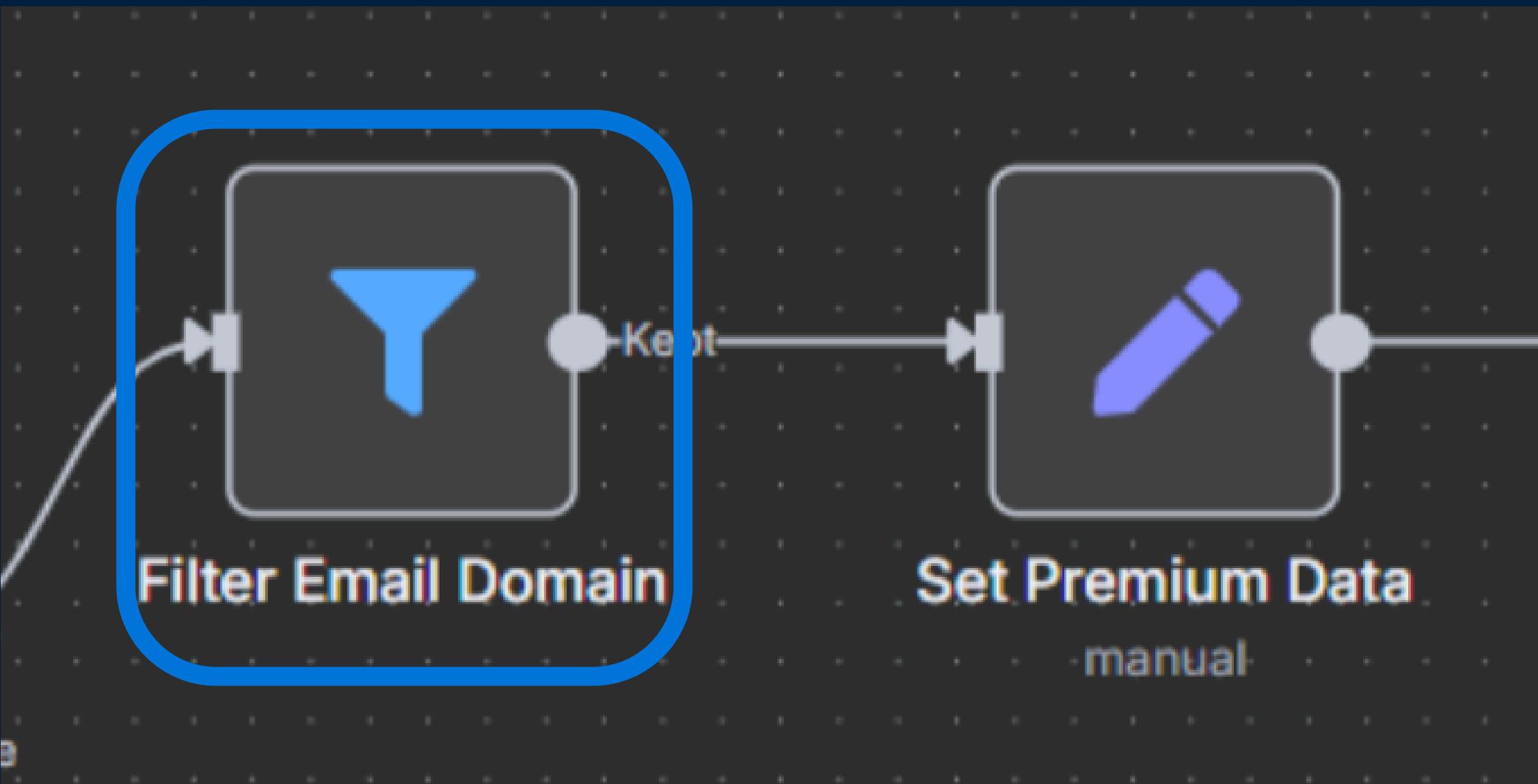
# HTTP Request



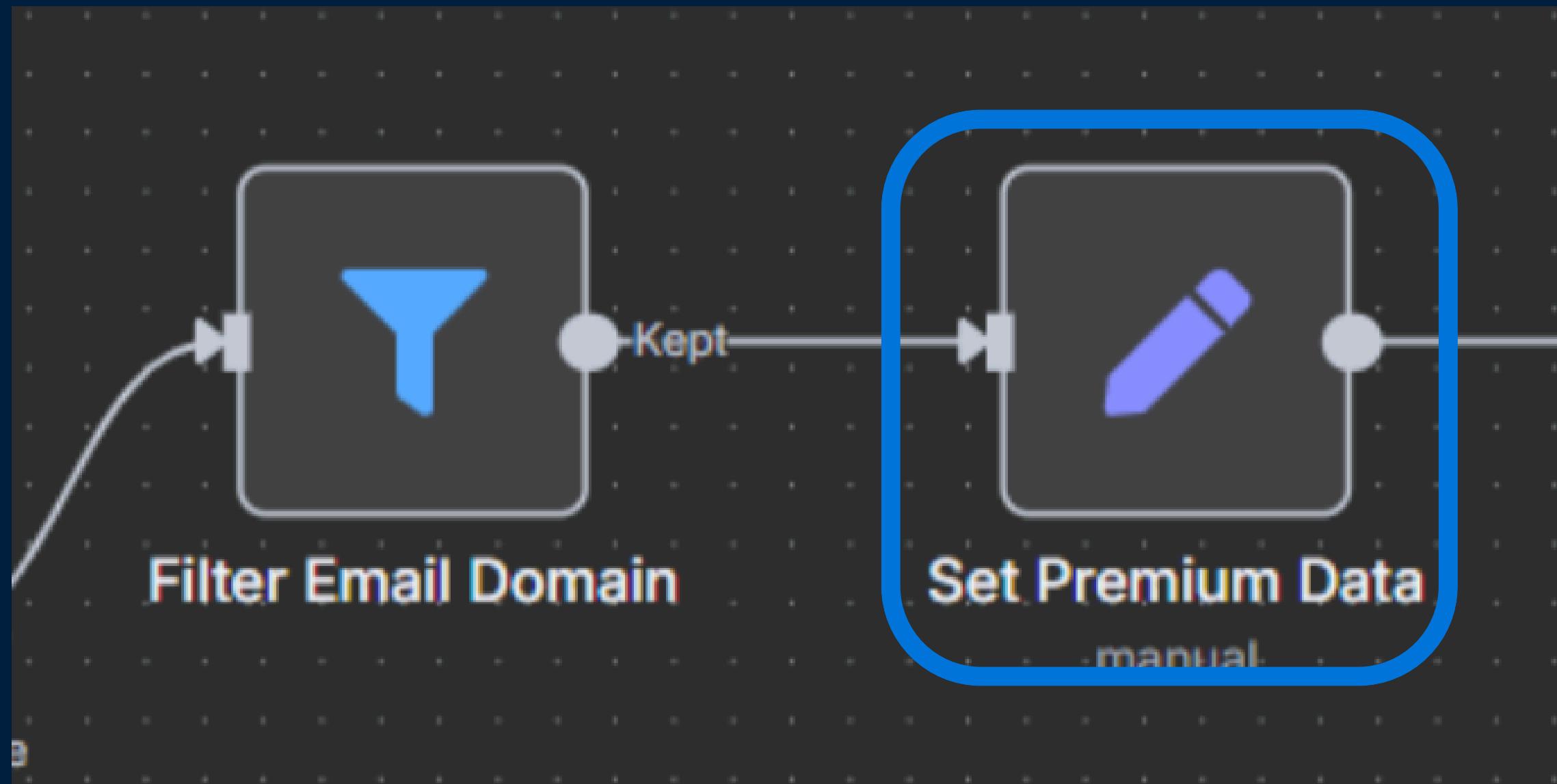
# Respond to Webhook Node



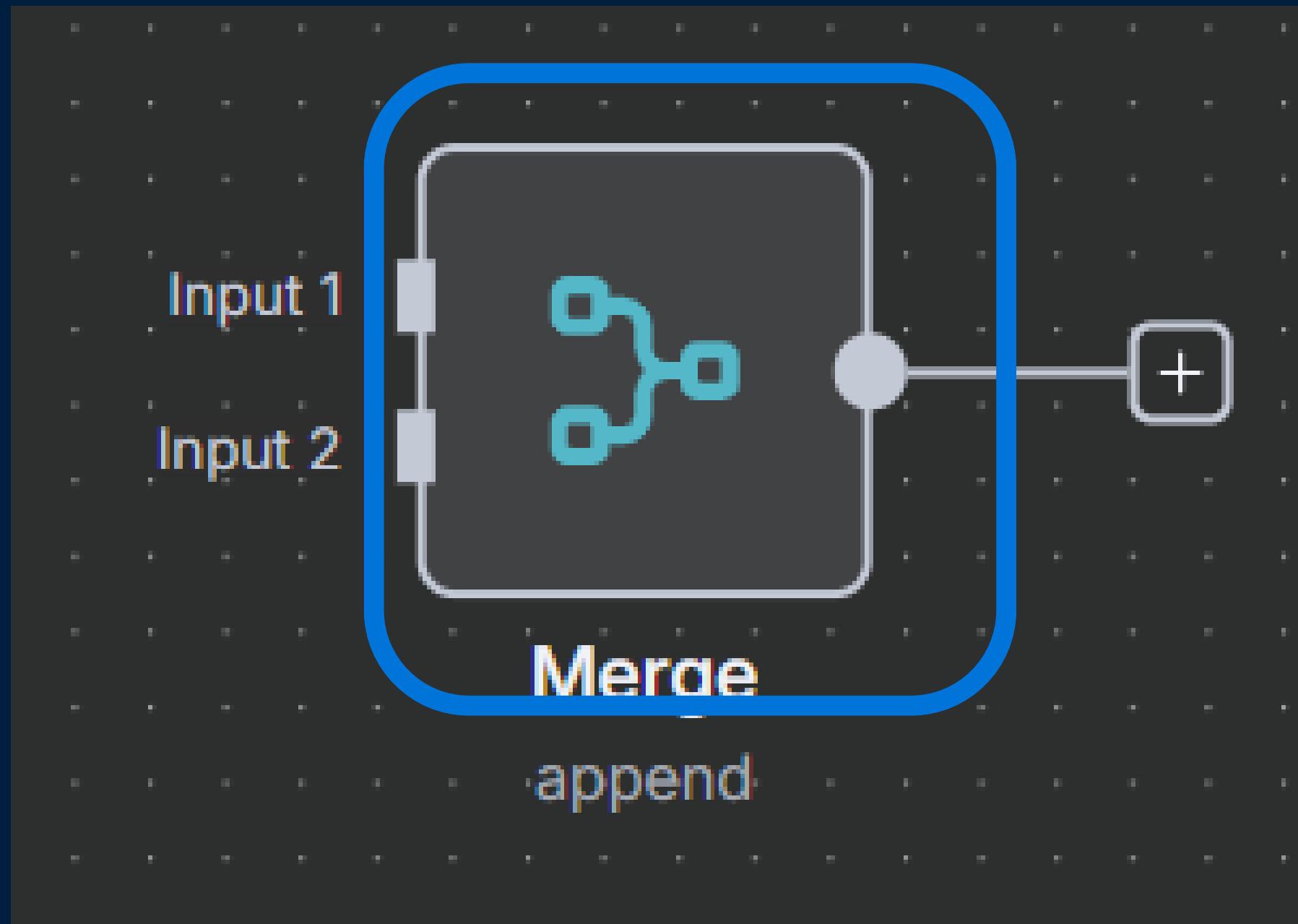
# Filter Node



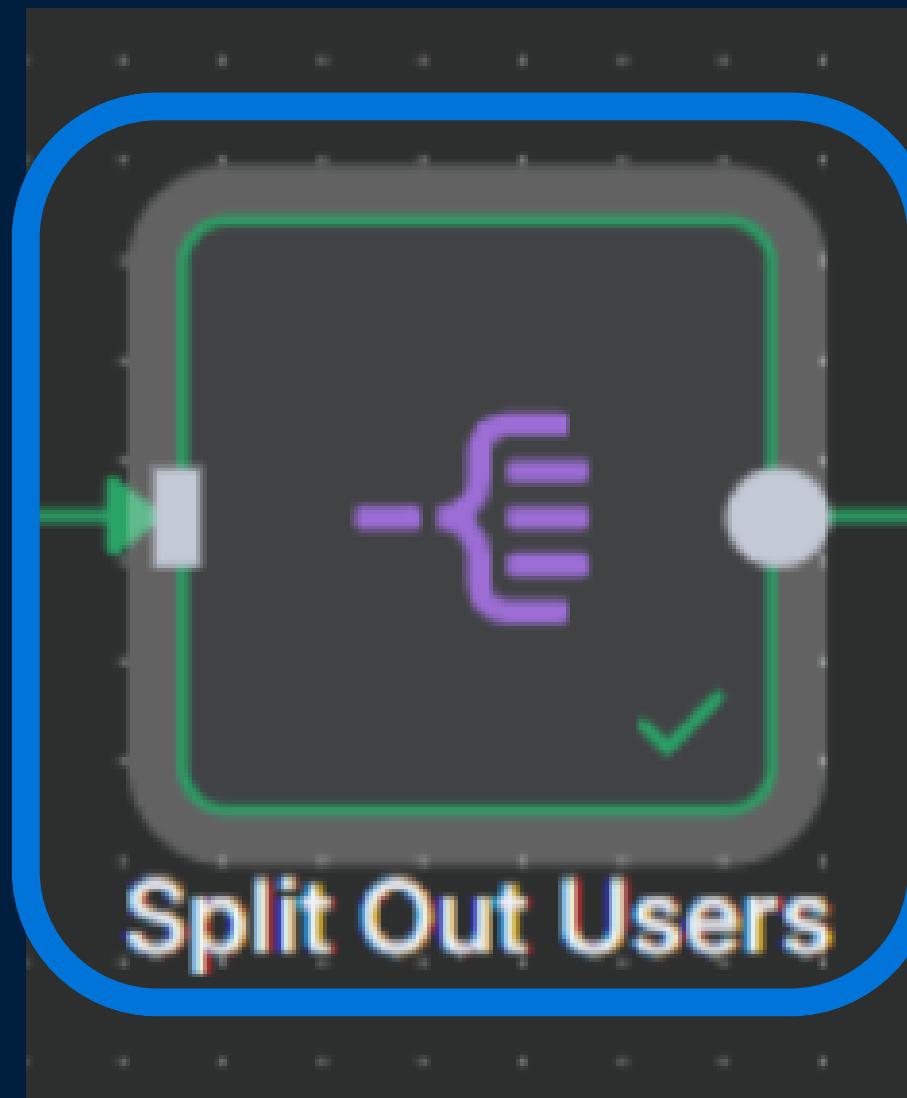
# Edit Fields Node



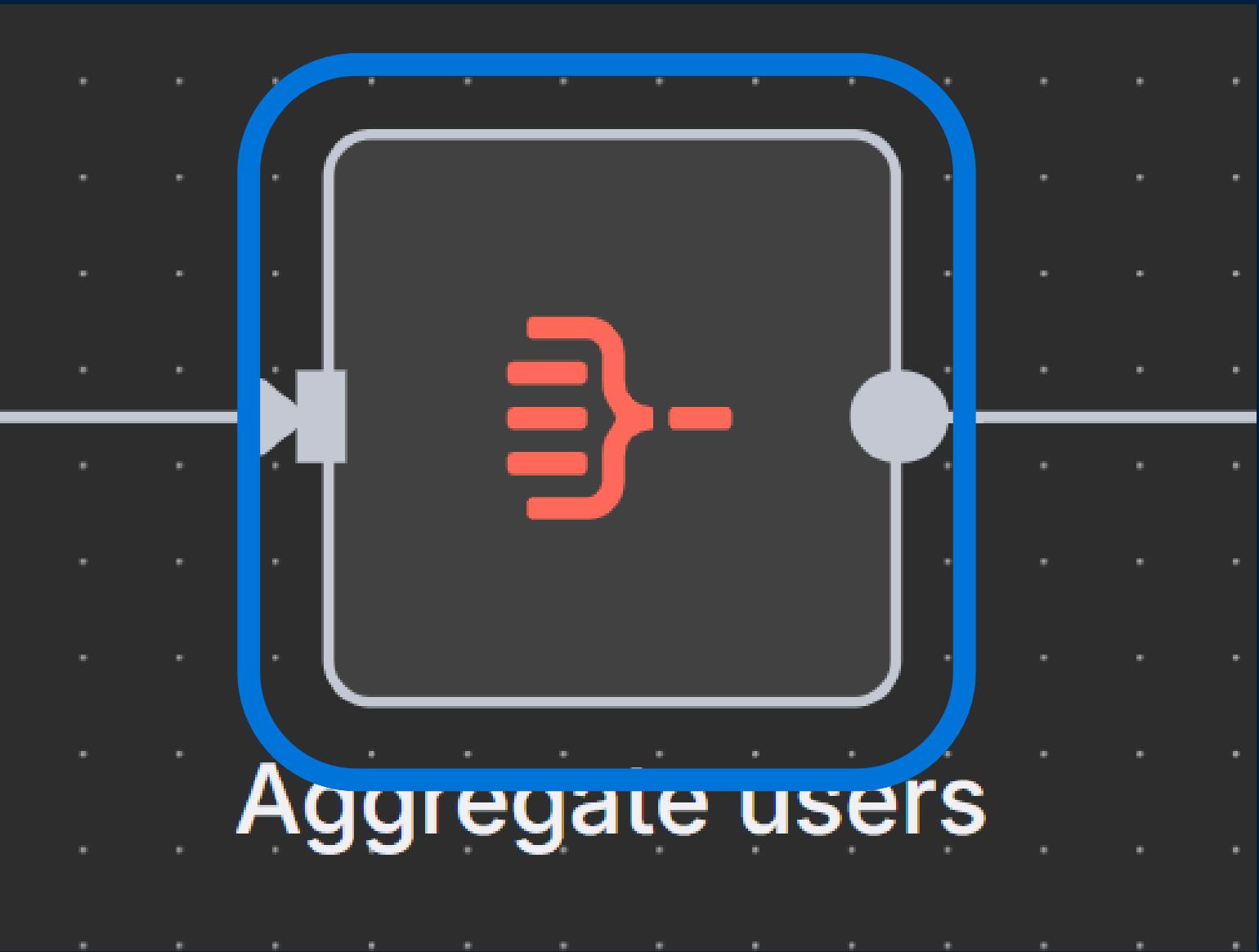
# Merge Node



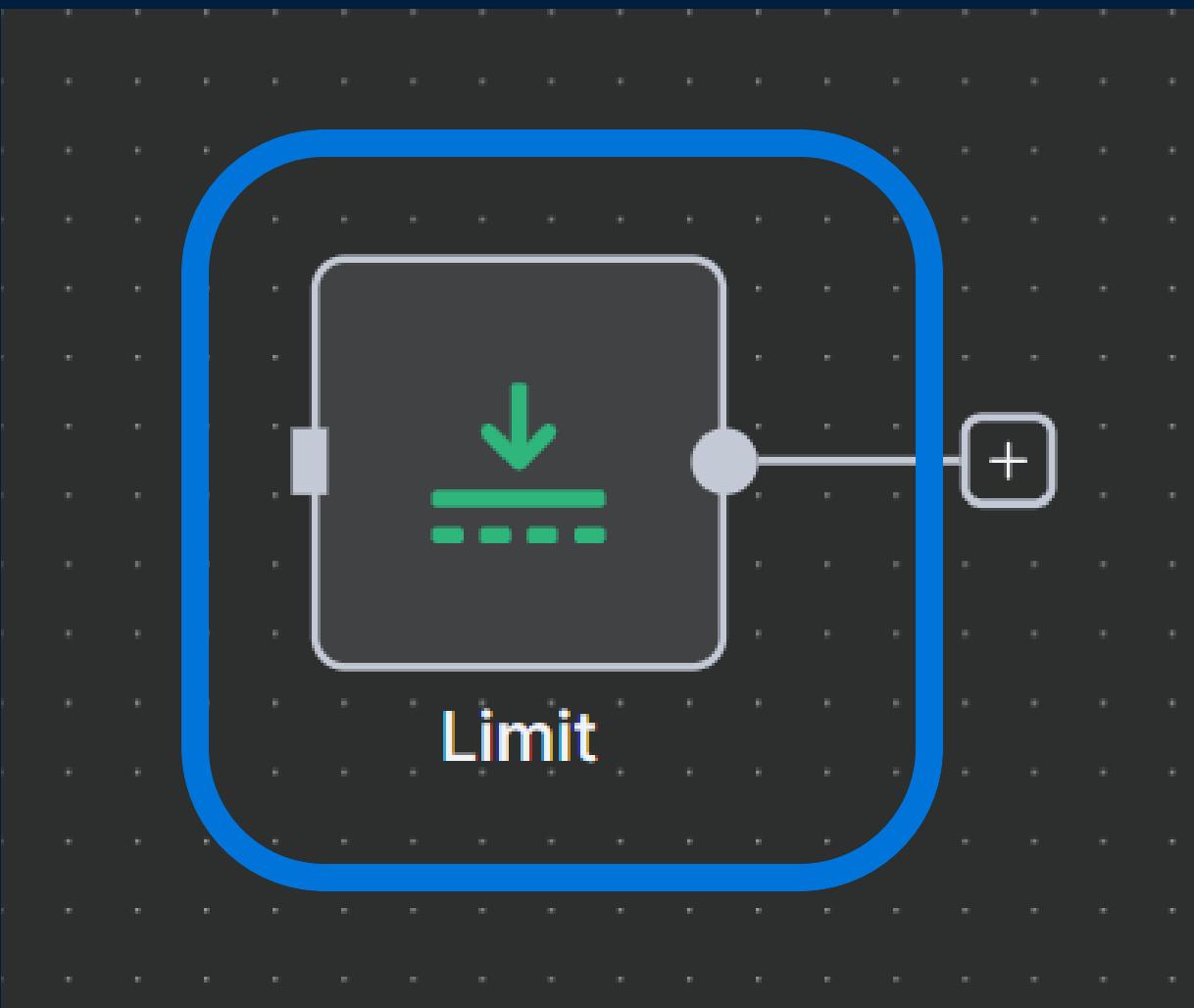
# Split Node



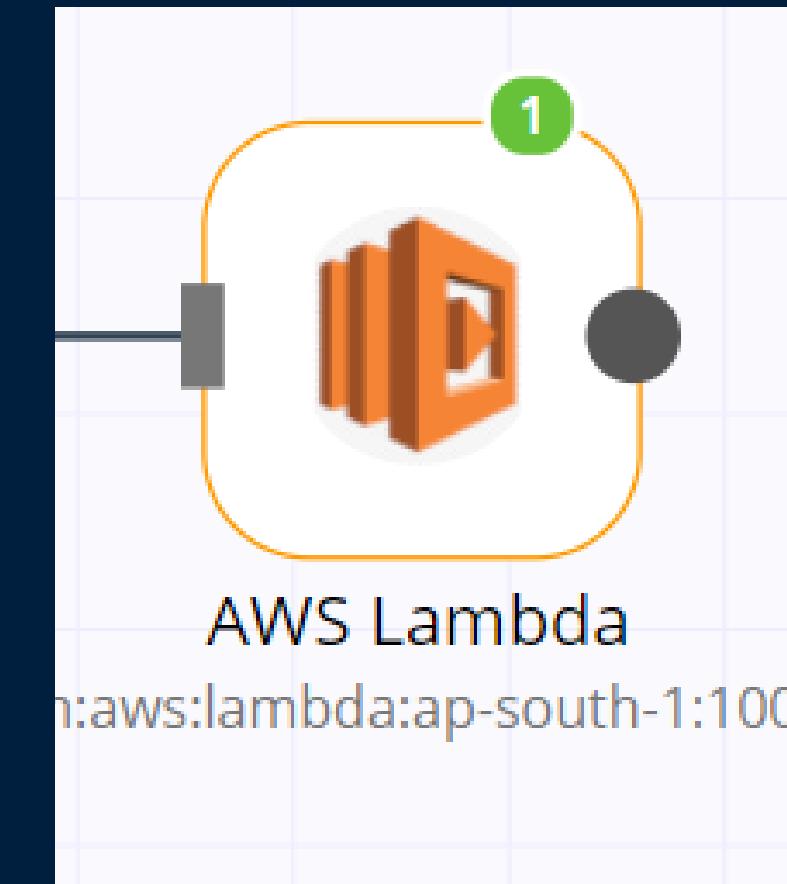
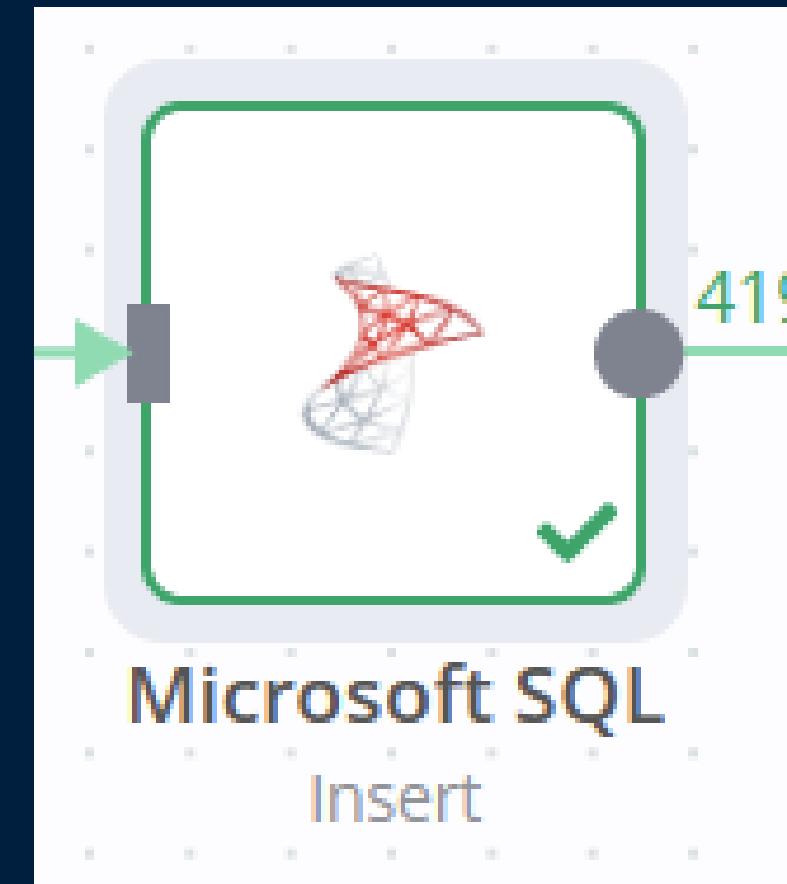
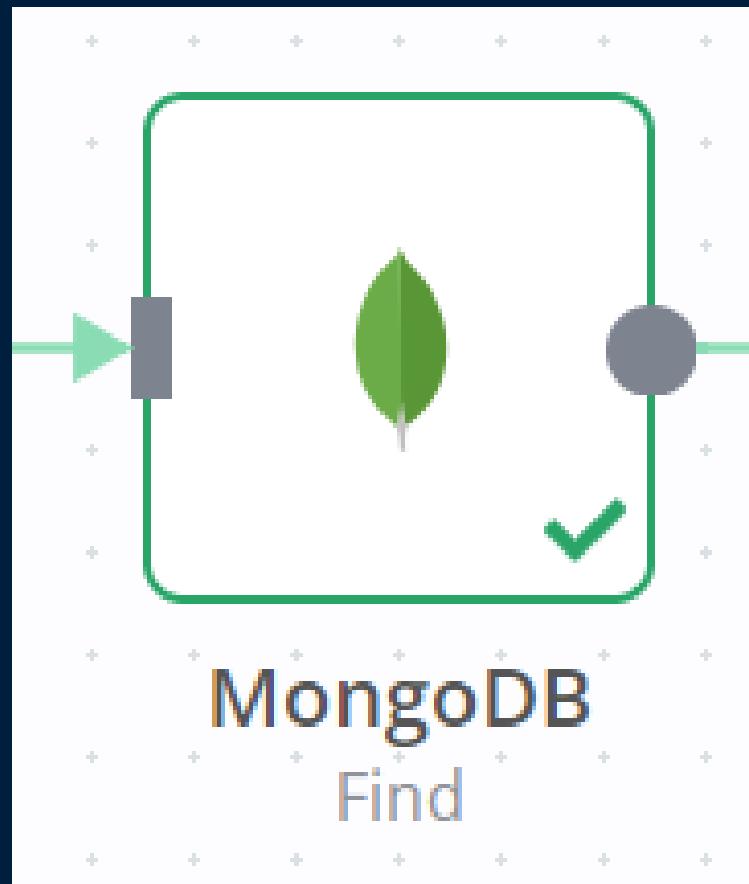
# Aggregate Node



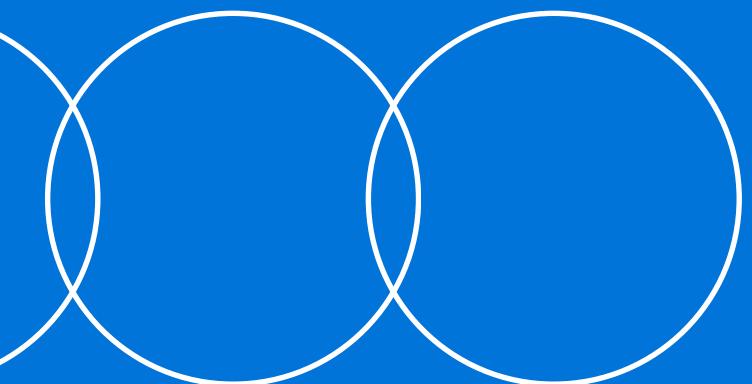
# Limit Node



# Notable 3<sup>rd</sup> Party Nodes



# KNOWLDGDE CHECK



# Question 1

1. What type of platform is N8N?
  - a. A video editing platform
  - b. A cloud gaming service
  - c. A password generation tool
  - d. An open-source workflow automation platform

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# Question 2

2. How many pre-built integrations does N8N offer?
- a. It does not support 3<sup>rd</sup> party integrations
  - b. 1000 + integrations
  - c. 250 + integrations
  - d. 50 + integrations

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# Question 3

Which node allows you to make requests to any API?

- a. HTTP Request Node
- b. Split Node
- c. If Node
- d. Respond to Webhook Node

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# Question 4

What feature of N8N allows users to drag and connect workflow components visually?

- a. Workflow Magic Mapper
- b. Auto-generate Layout Tool
- c. Visual Workflow Editor
- d. Cloudstaff #1

# Question 4

What feature of N8N allows users to drag and connect workflow components visually?

- a. Workflow Magic Mapper
- b. Auto-generate Layout Tool
- c. Visual Workflow Editor**
- d. Cloudstaff #1 ← tinatanggap rin po ito**

# Question 5

Which node in N8N is used to run custom JavaScript code?

- a. Split Node
- b. Merge Node
- c. Code Node
- d. Migrate Node

# Question 5

Which node in N8N is used to run custom JavaScript code?

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# DEMONSTRATION

