Node Guide: Parallel

Overview

The **Parallel** node is used to execute multiple branches of a workflow **at the same time**. Unlike other nodes that follow a single path, this node triggers all connected nodes simultaneously, allowing parallel execution of tasks.

This is especially useful when different actions can happen independently and don't need to wait for one another.

How It Works

When this node runs:

- It **starts all connected nodes at once**
- Each connected node runs in **parallel**, not one after another
- This allows your workflow to save time and handle multiple actions simultaneously

It does **not require any input or configuration**—just connect it to multiple nodes, and they will all execute when the flow reaches the Parallel node.

Configuration Details

- **No Configuration Required**
  Simply connect this node to as many other nodes as needed.
  All of them will execute at the same time.

Inputs

- **None**: This node does not need or accept any input data.

Outputs

- **Flow Control Only**:
  Triggers **all connected nodes** to execute simultaneously.
  It does not produce any output variable.

When to Use

Use the Parallel node when:

- You want to perform multiple independent actions at the same time
- Actions do not rely on each other's output or order
- You want to speed up your workflow by removing unnecessary delays

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Example Flow: Post-Ticket Actions in Parallel

Scenario

After a support ticket is created, you want to do the following at the same time:

- Send an email to the user
- Notify the support team on Microsoft Teams
- Log the ticket in your database

Flow Steps

1. **Create Ticket**
   Store all ticket details.

2. **Parallel Node**
   Connect it to:

- **Send Email Node**
- **Send Teams Message Node**
- **Save to Database Node**

3. **All Nodes Run Together**
   As soon as the Parallel node is reached, all three actions run in parallel.

Summary of the Flow

- One action triggers many
- No waiting—each connected node executes instantly
- Great for fast, non-dependent tasks