

# Node Guide: Merge

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## Overview

The **Merge** node is used to bring together multiple paths of a workflow into a **single path**. It waits for the connected branches to complete and then **continues the flow** from a single point.

It's helpful when different actions happen in parallel or conditionally, but you want to proceed with a unified step afterward.

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## How It Works

When this node runs:

- It **waits** for the nodes connected to it to complete
  - Once all connected branches are done, it **merges** the flow into a single output path
  - It **does not** process or modify any data—it just combines flow control
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## Configuration Details

- **No Configuration Required**  
Simply connect two or more nodes to the Merge node.  
It will wait for all of them to complete before continuing.
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## Inputs

- **No direct inputs**  
The Merge node doesn't take input data like variables.  
It receives **execution signals** from multiple connected nodes.

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## Outputs

- **Flow Control Only**

Once all connected nodes finish, the Merge node triggers the **next step** in the flow. It does not output any data or variable.

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## When to Use

Use the Merge node when:

- You have multiple paths that run independently and must join together later
  - You want to wait for all actions (like sending messages, logging, or updates) to complete before moving ahead
  - You need a common continuation point after parallel or conditional branches
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## Example Flow: Wait for Notifications to Complete

### Scenario

After a ticket is resolved, you want to:

- Notify the user by email
- Notify the support team on Microsoft Teams

Only after both messages are sent, you want to log the ticket as closed.

### Flow Steps

1. **Ticket Resolved**
2. **Parallel Node** → Sends flow to:
  - **Send Email Node**

- **Send Teams Message Node**
  - 3. **Merge Node**  
Waits for both notifications to complete.
  - 4. **Log Ticket Closure**  
Proceeds only after both notifications are done.
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## **Summary of the Flow**

- Combines two or more paths into one
- Ensures all connected nodes finish before continuing
- Keeps your flow organized and sequential where needed