Node Guide: Switch

Overview

The **Switch** node is used to route the workflow to different paths based on the value of a variable—just like a **switch-case block** in programming. Each path (or edge) connected to this node can have its own condition, and only the matching one will be followed.

It's a powerful way to handle multiple possible outcomes without writing long if-else chains.

How It Works

When this node runs:

- It checks the value(s) stored in one or more input variables.
- It evaluates each condition defined on the connected paths.
- If a condition matches, the flow continues along that edge.
- If **none** of the conditions match, the workflow follows the **default edge**, if configured.

Configuration Details

1. Choose Condition Type

Select how multiple conditions should be evaluated:

- **AND** – All conditions on an edge must be true
- **OR** – At least one condition on an edge must be true

2. Set Conditions for Each Edge

Each node connected to the Switch node can have a unique condition.

Example:

- Edge A: `status == "Open"`
- Edge B: `status == "Closed"`
- Edge C: `status == "Pending"`

You can define expressions using:

- Variable → compared to constant
- Variable → compared to another variable

3. Configure Default Edge (Optional)

If no conditions are met, you can define a fallback edge. This ensures the flow continues even when none of the cases apply.

Inputs

- **Variables Only**: The input is a variable whose value(s) are used for comparison.

Outputs

- **Flow Control**: Based on which condition matches, one connected path will be followed.
- No output variables are produced by this node.

When to Use

Use the Switch node when you:

- Want to handle multiple possible outcomes from a single variable
- Need to branch your workflow in more than two directions

- Want to avoid nesting multiple condition nodes
- Need a clear and organized way to manage multiple decision points

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Example Flow: Handle Ticket Status with Different Actions

Scenario

You receive a ticket, and based on its status, you want to take different actions.

Flow Steps

1. **Receive Ticket Info**
   A variable `ticketStatus` holds the status value.

2. **Switch Node**

   - Edge A: `ticketStatus == "New"` → Send welcome message
   - Edge B: `ticketStatus == "In Progress"` → Notify support team
   - Edge C: `ticketStatus == "Resolved"` → Send resolution summary
   - Default: Log status as "Unknown"

3. **Flow Continues**
   Only the matching path runs. If no match, the default edge is followed.

Summary of the Flow

- One input variable is checked against multiple values
- The matching case decides which action is triggered
- Adds clarity to workflows with multiple conditions