Node Guide: For (n) Node

Overview

The **For (n) Node** is used to repeat a part of your workflow **a fixed number of times**. It behaves like a basic loop where you define how many times the connected branch should execute.

This is useful when you need to perform the same action multiple times, such as sending reminders, retrying an action, or processing items in a sequence.

How It Works

When the flow reaches this node:

- It **reads the iteration count** provided (manually or from a variable)
- It then **executes the connected branch repeatedly** based on that count
- Each iteration runs one after another, not in parallel

Configuration Details

- **Iteration Count**
  You must provide the number of times the connected branch should run.
  This can be:
    - A manually typed number (e.g., 5)
    - A variable that holds a numeric value

No additional setup is required.

Inputs

- **Iteration Count**:
  A numeric input (either constant or variable) that controls how many times the loop runs.

Outputs

- **Flow Control**:
  Executes the connected branch **n times**, one after the other.
  It does not produce an output variable.

When to Use

Use the For (n) node when:

- You need to repeat an action a specific number of times
- The number of repetitions is known in advance
- Each repetition is independent and doesn't require early exit

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Example Flow: Retry Notification 3 Times

Scenario

If a user does not respond, you want to send a reminder message 3 times with a delay between each.

Flow Steps

1. **Set Count Variable**
   Store value `3` in a variable `retryCount`.

2. **For (n) Node**

   - Set iteration count from `retryCount`

    - Connect it to a node that sends a Teams message

3. **Delay Node** (Optional)
    - Add a small wait before the next iteration
4. **Merge or Continue Flow**
    - After all retries, move forward

Summary of the Flow

- Takes a number
- Runs the same logic multiple times
- Ideal for simple loops and repeated operations