

Node Guide: JSON Mapper

Overview

The **JSON Mapper** node is designed to extract specific values from a JSON structure. It helps in situations where you receive a large JSON response but only need data from a few specific keys.

This node takes in a variable that contains the JSON, applies the given extraction logic, and stores the results in output variables for use in the next steps.

How It Works

When this node runs:

- It reads a JSON string or object stored in an input variable.
 - It uses your provided expressions to extract specific values or sections.
 - It maps the extracted values into output variables.
 - You can also apply conditions before processing the JSON.
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Configuration Details

1. Input Variable

Choose or pass the variable that holds the full JSON data.

2. Upload or Paste JSON

To help with writing expressions, you can:

- Upload a sample JSON file
- Paste the JSON directly inside the node

This allows you to preview and test your expressions easily.

3. Extraction Expression

Write expressions to select the keys or data you want to fetch.

For example:

- `data.user.name`
- `orders[0].amount`

Expressions follow dot notation or path-like structures depending on your JSON.

4. Map to Output Variable

Each extracted value should be mapped to an output variable so it can be reused in later nodes.

(You can create new variables for each mapped value.)

5. Optional Condition

You can define a condition that must be true for the parsing to happen.

(This is useful if you only want to process the JSON under specific circumstances (e.g., status code is 200).)

Output

This node provides **one or more output variables**, depending on how many keys you extracted.

These variables can be used in any following nodes to:

- Send messages
 - Trigger actions
 - Store data
 - Continue decision logic
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When to Use

Use the JSON Mapper node when you:

- Receive JSON from an API or another node
 - Only need part of the JSON content
 - Want to simplify complex structures into smaller, usable variables
 - Need to apply conditional logic before extracting data
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Example Flow: Extract User Info from API Response

Scenario

An API returns a full user profile in JSON format. You only need the user's name, email, and ID for the next steps.

Flow Steps

1. **Call API (GET Request)**

Fetch user details from an external system.

2. **JSON Mapper**

- Input: the JSON response from the API

- Expression:

 - `user.id → userId`

 - `user.name → userName`

 - `user.email → userEmail`

- Output: Variables `userId`, `userName`, `userEmail`

3. **Use Extracted Data**

These variables are then used to:

- Send a message

- Log data
- Trigger another process

Summary of the Flow

- An API returns detailed JSON data
- JSON Mapper extracts only needed fields
- Extracted values are passed forward in the workflow