Node Guide: Insert Multiple Row

Overview

The **Insert Multiple Row** node is used to insert a batch of records into a selected table in a single operation. It simplifies bulk data insertion, reducing the need to loop through individual records manually.

What This Node Does

- Inserts **multiple rows** into a database table

- Takes the data from a **list variable**

- Returns:

  - `insert_status`: Indicates if the operation was successful or failed

Configuration Details

1. Entity Name (Table)

- **Mandatory**

- Select the destination table from the dropdown list of available entities

2. Rows Variable

- Select the agent variable that contains the data to be inserted

- This variable should hold a **list of dictionaries**, where each dictionary represents a row to be inserted

- Each dictionary must follow the target table's column schema

Example Variable Value:
json
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```
[
  { "emp_name": "John", "department": "Engineering" },
  { "emp_name": "Jane", "department": "Marketing" }
]
```

- Keys must match the column names of the selected table

Inputs

- **Entity Name**: Select the table where records will be inserted

- **Rows Variable**: Select the variable containing the list of rows (records)

Outputs

- **insert_status**:

  - A mandatory variable mapping

  - Will store the result status of the bulk insert operation (e.g., `Success`, `Failure`)

When to Use

Use this node when you want to:

- Insert bulk data in a single step

- Improve efficiency by avoiding multiple Insert Row calls

- Handle form submissions, bulk file uploads, or external data imports in one operation

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Example Flow: Import Employee Records

Scenario

You receive a JSON array of employee records and want to insert them all into the `employee_table`.

Flow Steps

1. **Fetch or Construct Variable**

   - Variable: `employee_data_list`

Value:

```json
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[
  { "emp_name": "Alice", "department": "Sales" },
  { "emp_name": "Bob", "department": "HR" }
]
```

   -

2. **Insert Multiple Row Node**

   - Entity Name: `employee_table`

   - Rows Variable: `employee_data_list`

   - Output Variable:

     - `insert_status` → `bulk_insert_result`

Summary

The Insert Multiple Row node is your go-to solution for handling bulk data inserts efficiently. Just map your structured data to a variable and configure the destination table. The node handles the rest, ensuring smooth, multi-record entry into your workflow's database.

Let me know when you're ready for the next node documentation or if you'd like a consolidated doc file of all these.