Import from Kafka Message Broker

Use the **Kafka** component from the **Import** group to import data from a Kafka cluster.

Ports

Input ports

- **Connection**: Use this port to input the Kafka cluster connection parameters.
- Control variables (optional): You can use this port to set the values of the setup wizard parameters through variables.

Output ports

- **Dataset**: After running the node, this port displays the table with the imported data.

Setup wizard

The setup wizard starts with the **Import of Kafka queue** page, which provides the following fields:

- **Connection**: This field displays the current connection status (i.e., if the node has been connected and activated). It's not editable.
- **Topic**: The name of the topic that groups messages of the same theme to which the consumer is subscribed.
- **Group ID**: A unique string to identify the consumer group within which a single instance of a message is delivered (see group.id).
- **Client ID**: A consumer identifier intended for transmitting data to the Kafka cluster when executing requests (see client.id).
- **Offset type**: A parameter that allows you to select the position of a message within a partition of a topic:
  - **No offset specified**: Selected by default.
  - **From the beginning of partition queue**: Offset relative to the beginning of the partition queue.
  - **From the stored offset**: Import will start from the offset saved in the partition.
  - **Absolute offset**: Absolute offset by the specified message number.
  - **Offset relative to end**: Offset relative to the end of the partition queue.

> **Note:** Offsets are stored in Kafka topics.

- **Message timeout (ms)**: The maximum time for a single message request to be executed.
- **Maximum number of messages**: the import will stop upon reaching the maximum number of messages.
- **Additional consumer configuration**: Here you can add more Kafka parameters in form of *name–value* pairs.

See also:

- Official Kafka website

Read on: Importing Megaladata Files