

# KAFKA CONNECTOR

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# KAFKA CONNECTOR

## CONNECTOR DETAILS:

Kafka connector provides the ability to publish a message onto the Kafka broker for a specified topic.

## PREREQUISITE

1. Kafka broker should be setup, up and running to use
2. Topic should be setup on Kafka where message needs to be published

## SETTING UP CONNECTOR IN THE WORKFLOW

- 1) Load the connector template Json available in Git repo (kafka-connector\element-templates\kafka-connector.json) into Camunda 8 (SAAS/Self-Managed)
- 2) Apply the connector template on a service task which can be used to publish the message onto Kafka in workflow.
- 3) Fill following template details
  - a. Message: It is a placeholder for Kafka message that needs to be published and can be passed as a process variable or static Kafka message depending on requirement
  - b. topic name: it should be the exact topic name created in Kafka
  - c. host and port: It is a placeholder for Kafka host and port name, it should follow format **host:port**
  - d. Kafka connector response can be captured in the process variable which can be defined under custom properties

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## SAMPLE SCREENSHOTS

- 1) Choose a template for service task

The screenshot shows the 'Choose element template' dialog on the left and the 'Properties' panel on the right.

**Choose element template dialog:**

- Search bar:
- Orchestrate your UiPath Bots with Camunda. Y...
- Power Automate: Orchestrate your Power Automate flows with C...
- OpenAI Connector: Interact with ChatGPT or Moderation API
- Camunda Operate Connector: Fetch data from Camunda Operate API
- GitHub: GitHub Connector
- KafkaConnectorTemplate** (highlighted in green)
- Kafka outbound connector using camel** (highlighted in green)

**Properties panel:**

- Buttons: Test, Deploy, Run, and a dropdown menu.
- Section: **Properties** (Comments tab is also visible).
- Service Task: Publish to Kafka
- Details sidebar: General, Documentation, Template (highlighted with a green box and a '+ Select' button), Task definition, Inputs, Outputs, Headers, Extension properties.

- 2) Enter Kafka config details as shown below

The screenshot shows the 'Implement' tab of the workflow editor.

**Workflow Diagram:**

- Start node (circle) connects to 'Enter Message' (rounded rectangle).
- 'Enter Message' connects to 'Publish to Kafka' (rounded rectangle).
- 'Publish to Kafka' connects to a connector icon (gear with a plus sign).

**Properties panel:**

- Buttons: Test, Deploy, Run, and a dropdown menu.
- Section: **Properties** (Comments tab is also visible).
- Service Task: KAFKACONNECTORTEMPLATE Publish to Kafka
- Details sidebar: Template (Applied), **Kafka config details** (expanded).
- Kafka config details:**
  - Message: kafkaMessage
  - Data to send to Kafka: topic name
  - topic name: account-details
  - Name of the topic: host and port
  - host and port: localhost:9092
  - host name format host:port
- Custom properties:**
  - Kafka Publish status variable: kafkaResult
  - Name of variable to store the response status: ☐ Async before?