Create streaming data input
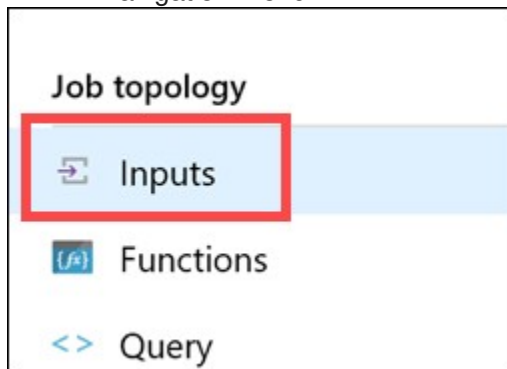
In this reading you can see the steps involved in creating streaming data input.

Note

You are not required to complete the processes, tasks, activities, or steps presented in this example. Your system set-up may differ from the system set-up in the demonstration in this reading. The various samples provided are for illustrative purposes only and it's likely that if you try this out you will encounter issues in your system.
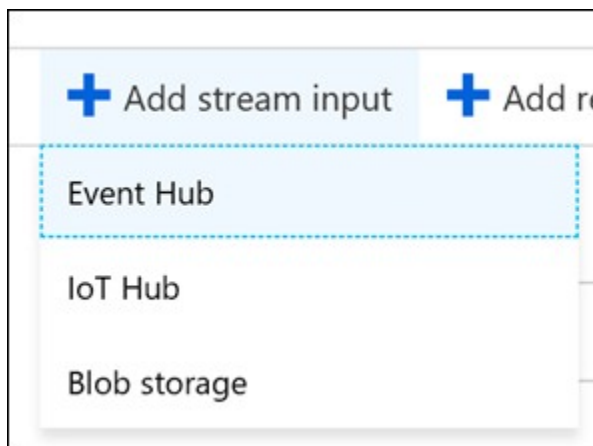
You configure Azure Event Hubs as an input for Azure Stream Analytics to ingest streaming vehicle telemetry data. Event Hubs acts as the entry point to a near-real-time analytics pipeline built on Azure Event Hubs, Azure Stream Analytics, and Power BI.

1. From your Stream Analytics job's blade in the Azure portal, select **Inputs** in the left-hand navigation menu.

The Inputs link is selected in the left-hand menu.

2. From the Inputs blade, select **+ Add stream input** in the top toolbar, then select **Event Hub** to create a new Event Hub input.

The Add stream input button and Event Hub menu item are highlighted.

3. In the **New Input** blade, configure the following:

- **Name:** Enter "eventhub".

- **Select Event Hub from your subscriptions:** Selected.
- **Subscription:** Make sure the subscription you are using for this lab is selected.
- **Event Hub namespace:** Select the Event Hub namespace you are using for this lab.
- **Event Hub name:** Create and event hub name named **telemetry**.
- **Event Hub consumer group:** Select **Use existing**, then select **$Default**.
- **Authentication mode:** Select **Connection string**.
- **Event Hub policy name:** Select **Use existing**, then select **Read**.
- Leave all other values at their defaults.

Event Hub

New input   ✕

Input alias *

eventhub   ⬛✓

◯ Provide Event Hub settings manually
⦿ Select Event Hub from your subscriptions

Subscription

[blurred]   ⌄

Event Hub namespace * ⓘ

eventhubde44   ⌄

Event Hub name * ⓘ
◯ Create new   ⦿ Use existing

telemetry   ⌄

Event Hub consumer group * ⓘ
◯ Create new   ⦿ Use existing

$Default   ⌄

Authentication mode

Connection string   ⌄

Event Hub policy name * ⓘ
◯ Create new   ⦿ Use existing

Read   ⌄

Event Hub policy key

••••••••••••••••••••••••

Event serialization format * ⓘ

JSON   ⌄

Encoding ⓘ

UTF-8   ⌄

Event compression type ⓘ

None   ⌄

The New Input form is filled out with the

previously mentioned settings entered into the appropriate fields.
4. Select **Save** on the bottom of the form when you have finished entering the values.