



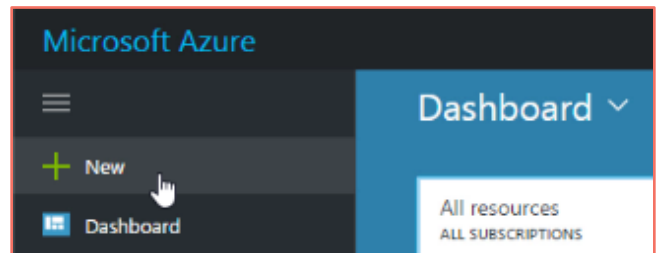
Azure Stream Analytics

Creating an Event Hub in Azure Stream Analytics

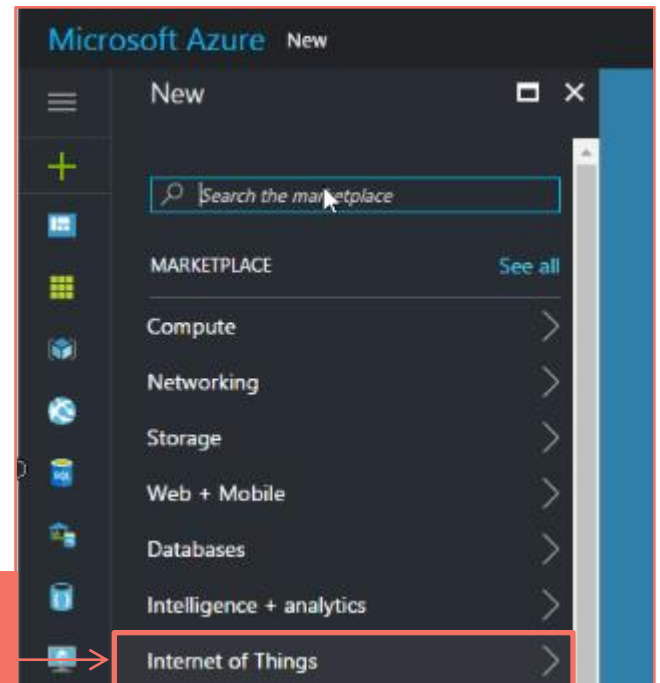
Connecting an Event Hub to an ASA job is an easy process if you stay organized.

First, let's start by creating an Event hub in ASA.

1. In the Azure Dashboard, click **New**.



2. Use the **Search** box to look for the **Event Hub** option.



Alternatively, you can find **Event Hub** in the **Internet of Things** menu.





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3. Complete the information required by the blade and click **Create**.

- › Name
- › Pricing Tier
- › Subscription
- › Resource Group
- › Location

The screenshot shows the 'Create namespace' blade in the Azure Stream Analytics interface. The form is titled 'Create namespace' and 'Event Hubs - PREVIEW'. It contains the following fields:

- Name:** An empty text input field.
- Pricing tier:** A dropdown menu set to 'Standard'.
- Subscription:** A dropdown menu set to 'Windows Azure MSDN - Visual Studio Ultimate'.
- Resource group:** Radio buttons for 'Create new' and 'Use existing', with 'Use existing' selected. Below it is an empty dropdown menu.
- Location:** A dropdown menu set to 'Central US'.

At the bottom, there is a 'Pin to dashboard' checkbox and a blue 'Create' button. A link for 'Automation options' is also present.



4. After the hub is created, click **Event Hub** to add a pipeline to it.

The screenshot shows the 'tetraeventhub' blade in the Azure Stream Analytics interface. The 'Event Hub' tab is selected, and the 'Delete' button is visible. The 'Essentials' section shows the following details:

- Resource group (change): tetraASADemo
- Status: Active
- Location: Central US
- Subscription name (change): Windows Azure MSDN - Visual Studio Ultimate
- Subscription ID: cf96ad51-03f1-455b-a048-9edfc410fa81

The left sidebar shows navigation options: Overview, Access control (IAM), Tags, Diagnose and solve problems, SETTINGS, and Shared access policies.





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5. Complete the information required by the blade and click **Create**.

The screenshot shows the 'Create Event Hub' blade for 'tetraeventhub - PREVIEW'. It includes the following fields and settings:

- Name: [Empty text box]
- Partition Count: [Slider set to 2]
- Message Retention: [Slider set to 1]
- Archive: [On] [Off]
- Time window (minutes): [Slider set to 5]
- Size window (MB): [Slider set to 300]
- Create button

- › Name
- › Partition Count
- › Message Retention
- › Archive
- › Time Window
- › Size Window



6. Complete the information required by the blade and click **Create**.

The screenshot shows the 'tetraeventhub - Event Hubs' blade. The left sidebar lists settings and entities. The main area shows a table of event hubs:

NAME	STATUS
demo	Active





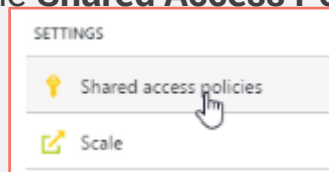
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IMPORTANT NOTE!

After you create your Event Hub you should collect some key information that will then help you associate it with your Stream Analytics job.

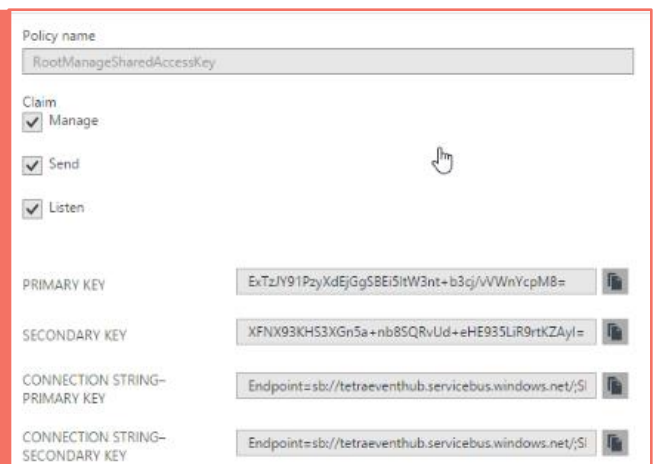
You can obtain this information by opening your event hub and accessing the **Shared Access Policies** option.



What Information should I get from here?

- Primary Key
- Policy Name
- Connection String Primary Key

Copy this data into a Notepad for easy access!





Azure Stream Analytics

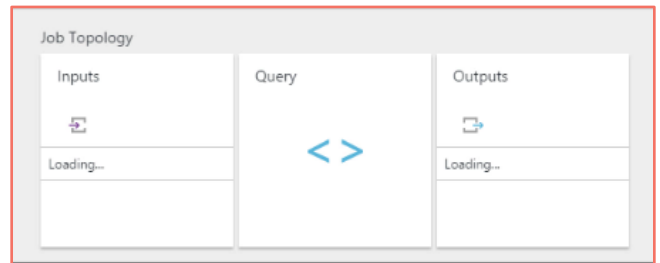
Connecting an Event Hub to an ASA Job

After creating your Event hub, it only takes a few steps to connect it to your Azure Stream Analytics job.

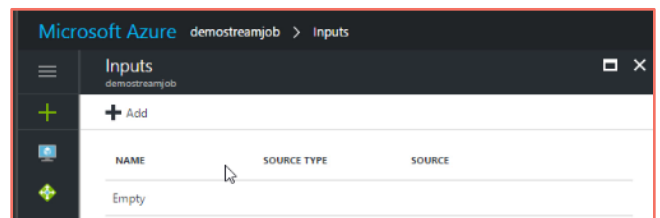
Follow these tips to guide your way through this process.



1. Access your ASA job and, under Job Topology, click the **Inputs** option.



2. Click the **Add** button to start configuring your input.





Azure Stream Analytics

Connecting an Event Hub to an ASA Job

3. Complete the information required by the blade and click **Create**.

- Input Alias
- Source Type: Data Stream
- Source: Event Hub
- Import Option
- Service bus namespace*
- Event hub name*
- Event Hub Policy Name*
- Event Hub Policy Key*
- Event Hub Consumer Group

* This data is obtained from the Event Hub's Shared Access Policies section.

The screenshot shows the 'New input' configuration window with the following settings:

- Input alias:** EventHubInput
- Source Type:** Data stream
- Source:** Event hub
- Import option:** Provide event hub settings manually
- Service bus namespace:** tetraeventhub
- Event hub name:** Demo
- Event hub policy name:** RootManageSharedAccessKey
- Event hub policy key:** (empty)

A blue 'Create' button is located at the bottom of the form.

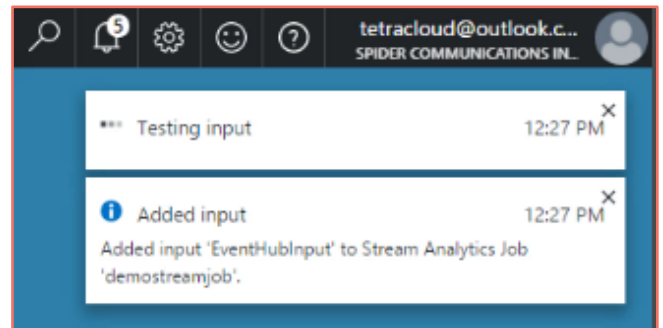




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Connecting an Event Hub to an ASA Job

4. A notification will appear indicating that the Input has been created.



About Reference Data Inputs

You can follow the process just described to connect a Reference Data inputs to a job.

The main difference is that instead of providing connection data, the system will prompt you to locate your reference data file to link it to your job.

