



# Azure Stream Analytics

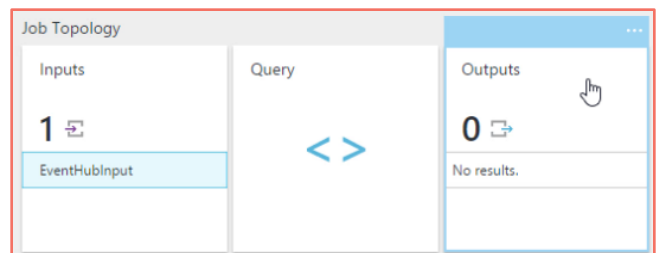
## Configuring a Stream Analytics Job Output

ASA jobs support many output types, including: SQL Database, Blob Storage, and Event hubs. Data can also be stored in Azure Table Storage, which is part of Azure Storage service.

Follow these steps to add and configure a Stream Analytics Job Output.



1. In the Job Topology section of the Overview tab click **Outputs**.



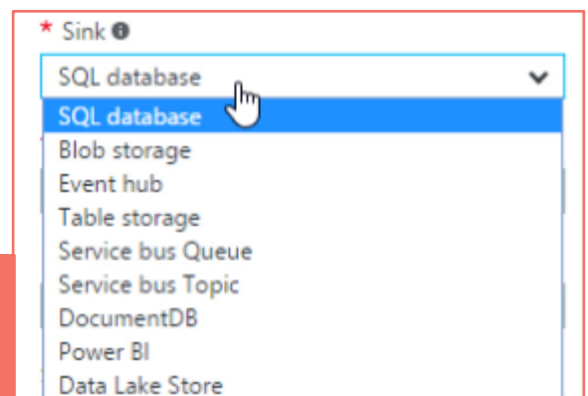
2. Click **Add** to start setting up the Output.



You can create as many outputs as desired, and data can be passed to only those needed.



3. Select the desired output in the **Sink** drop-down menu.



to your selection. You can follow the same process for the other output types.





# Azure Stream Analytics

## Example: Configuring a SQL Database Output

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

The screenshot shows the 'New output' configuration window. At the top, there is a warning message: 'The selected resource and the stream analytics job are located in different regions. You will be billed to move data between regions.' Below this, the configuration fields are as follows:

- \* Output alias:** A text input field containing 'Output1' with a green checkmark on the right.
- \* Sink:** A dropdown menu with 'SQL database' selected.
- \* Import option:** A dropdown menu with 'Use SQL database from current subscription' selected.
- Database:** A dropdown menu with 'lakposmanager' selected.
- Server name:** A text input field containing 'vg7xa1gbib.database.windows.net'.
- \* Username:** An empty text input field.

At the bottom of the blade is a blue 'Create' button.

- › Output Alias
- › Sink
- › Import Option
- › Username
- › Password
- › Table





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## Example: Configuring a Blob Storage Output

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

The screenshot shows the 'New output' configuration blade in Azure Stream Analytics. The blade is titled 'New output' and has a close button (X) in the top right corner. The configuration options are as follows:

- Blob storage:** A dropdown menu with 'Blob storage' selected.
- \* Import option:** A dropdown menu with 'Use blob storage from current subscription' selected.
- Storage account:** A dropdown menu with 'spiderinvestvhdsultimate' selected.
- Storage account key:** A text input field containing a series of dots, indicating a masked key.
- Container:** A dropdown menu with 'vhds' selected.
- Path pattern:** An empty text input field.
- Date format:** A dropdown menu with 'YYYY/MM/DD' selected.
- Time format:** A dropdown menu with 'HH' selected.

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

- Output Alias
- Sink
- Import Option
- Storage Account Name and Key
- Container
- Path Pattern





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## Example: Configuring a Power BI Output

Power BI is one of the most useful outputs to send ASA job data, since it will enable to visualize it.



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

**New output**

- \* Output alias: OutputPBI ✓
- \* Sink: Power BI
- Group Workspace: My Workspace
- \* Dataset Name: Demo ✓

⚠ If the dataset or table already exists in your Microsoft Power BI subscription, it will be overwritten.

- \* Table Name: DemoTable

**Create**

- Output Alias
- Sink
- Dataset Name
- Table Name





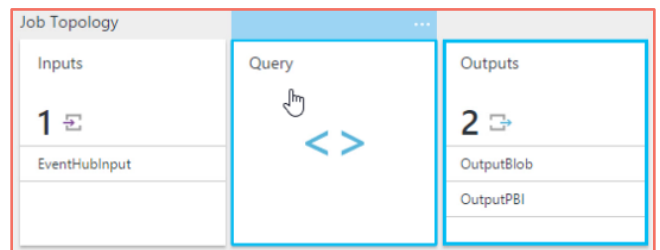
# Azure Stream Analytics

## Example: Configuring a Power BI Output

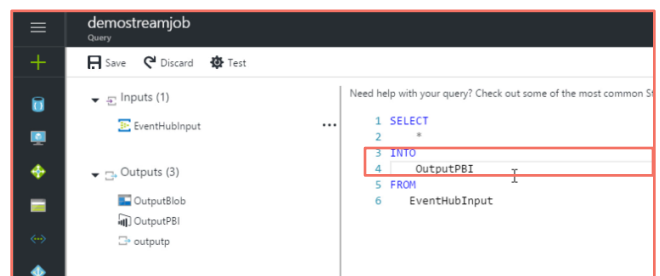
With the Power Bi output created, the data from the query can be sent to the Power Bi output.



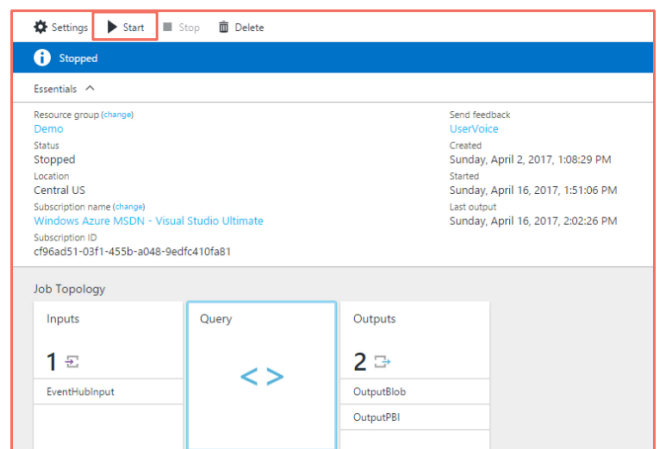
**2.** In the Job Topology section, click **Query**.



**3.** Modify **Input** to match the Power Bi alias and click **Save**.



**4.** Click **Start** to run the Stream Analytics Job.



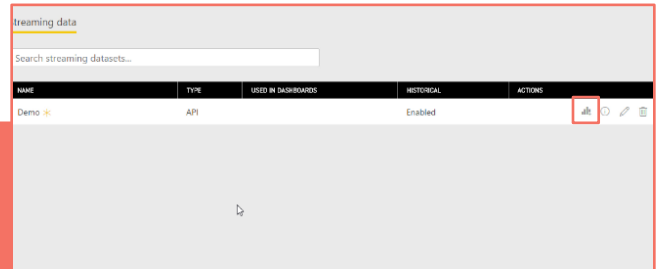


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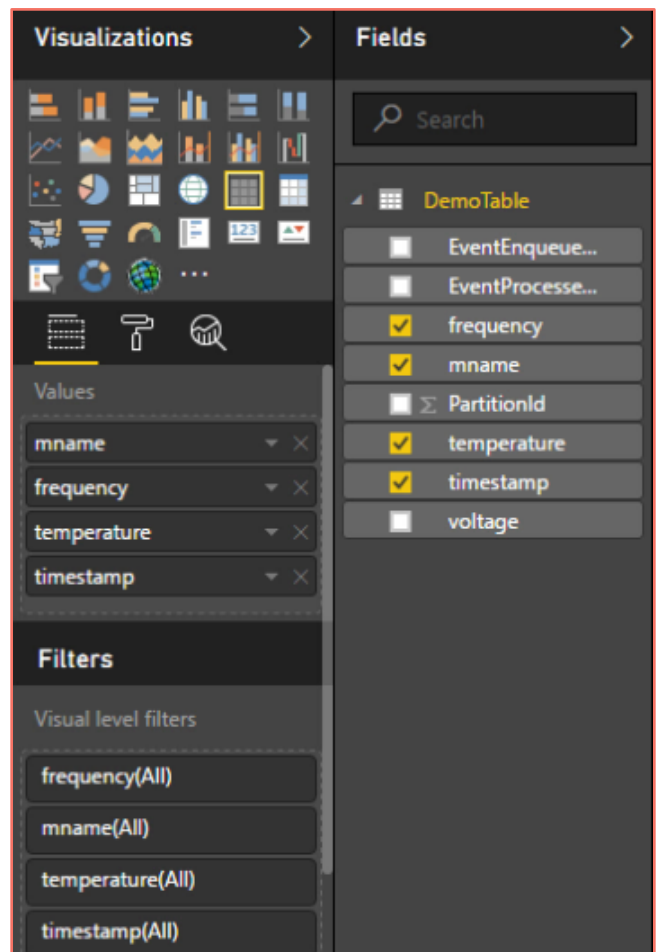
## Example: Visualizing Power Bi Data in a Tubular Form

1. To visualize the Data, click the **Create Report** icon.

The dataset will be shown after logging in in the Power Bi site, in the **Streaming Datasets** option.



2. Click the **Tubular** form icon from the Visualizations section.





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## Visualizing Power Bi Data

3. The data will show on the left panel.

File ▾ Reading view

< Back to Report

mname	frequency	temperature	EventProcessedUtcTime ▾
E002	32	335	04/16/17 08:38:27 AM
E001	40	357	04/16/17 08:38:25 AM
E003	29	334	04/16/17 08:38:23 AM
E002	31	333	04/16/17 08:38:21 AM
E001	39	355	04/16/17 08:38:19 AM
E003	28	332	04/16/17 08:38:16 AM
E002	32	334	04/16/17 08:38:14 AM
E001	40	357	04/16/17 08:38:12 AM
E003	26	329	04/16/17 08:38:10 AM
E002	32	334	04/16/17 08:38:08 AM
E001	39	355	04/16/17 08:38:06 AM
E003	28	332	04/16/17 08:38:04 AM
E002	31	331	04/16/17 08:38:02 AM
E001	40	357	04/16/17 08:38:00 AM
E003	29	334	04/16/17 08:37:58 AM
E002	30	330	04/16/17 08:37:56 AM
E001	39	355	04/16/17 08:37:54 AM
E003	29	334	04/16/17 08:37:52 AM
E002	30	330	04/16/17 08:37:50 AM
E001	40	357	04/16/17 08:37:48 AM
E003	28	332	04/16/17 08:37:45 AM
E002	31	333	04/16/17 08:37:43 AM
E001	39	355	04/16/17 08:37:41 AM
E003	26	329	04/16/17 08:37:39 AM
E002	30	330	04/16/17 08:37:37 AM
E001	40	357	04/16/17 08:37:35 AM
E003	28	332	04/16/17 08:37:33 AM
E002	31	332	04/16/17 08:37:31 AM

Data results can be arranged by Event Processed Time.

Remember that Event Hubs add their own time stamps when they process data: Event Queued Time, and Event Process Time.

