



# Azure Stream Analytics

Once you have set up a job, ASA provides a number of features you can use to view and edit information about it.

Here is a summary of the key components of an ASA job.

## Start

### 1. Overview

View general data about your job, such as **Resource Group**, **Status**, and **Subscription Name**, among others.

### 2. Activity Log

View a summary of the operations performed in this Stream Analytics job.

### 3. Access Control (IAM)

Add users to the resource you are working with.

### 4. Activity Tags and Locks Tabs

Similar functions to other Azure services.





# Azure Stream Analytics

## Job Topologies

demostreamjob - Inputs  
Stream Analytics job

Search (Ctrl+/)

Tags

Diagnose and solve problems

SETTINGS

Locks

JOB TOPOLOGY

- Inputs 1
- Functions 2
- Query 3
- Outputs 4

+ Add

NAME	SOURCE TYPE	SOURCE
Empty		

Add users to the resource you are working with.

### 1. Input

Add inputs from different sources to your Azure Stream Analytics job.

### 2. Functions

Add new functions that I can add to my Stream Analytics job, such as JavaScript UDF.

### 3. Query

Add queries to pass on, curate, and filter data.

### 4. Outputs

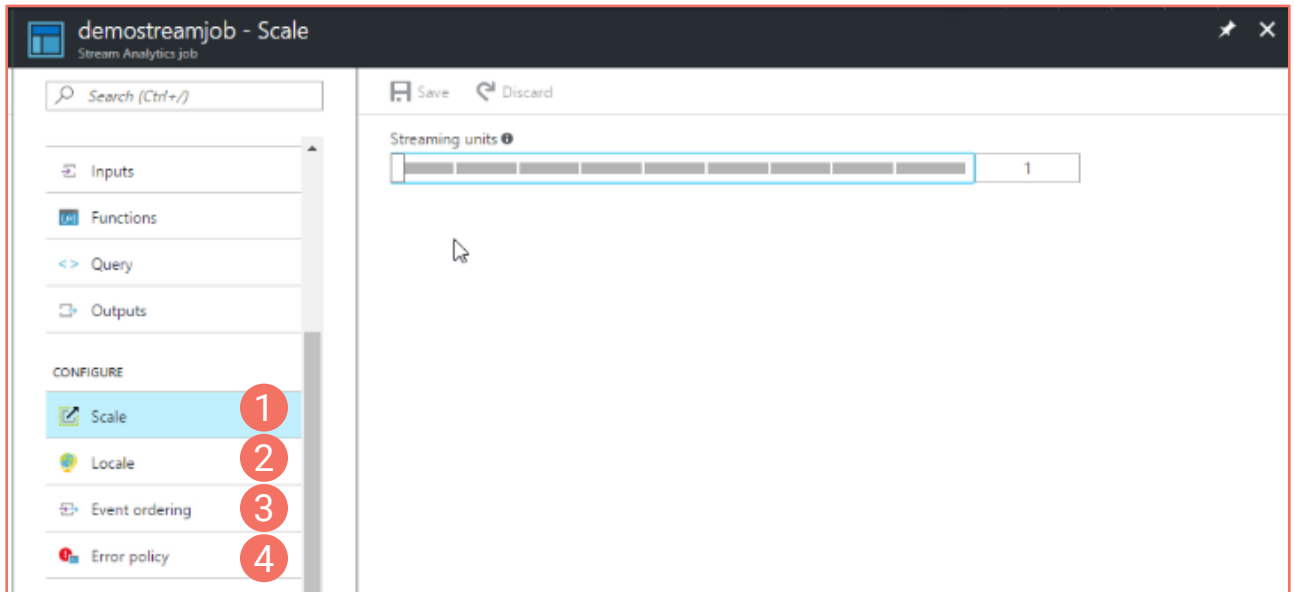
Add outputs, going from our stream analytics to a set destination.





# Azure Stream Analytics

## Configure



### 1. Scale

Set the amount of streaming units in a job (1 to 48).

### 2. Locale

Change locale if needed.

### 3. Event Ordering

Adjust event timings.

### 4. Error Policy

Define what ASA will do if data does not come at a specific time:

- Retry
- Discard data and wait for another event.





# Azure Stream Analytics

## General

The screenshot shows the 'demostreamjob - Properties' page. The left navigation pane has a red circle with the number '1' next to the 'Properties' link. The main content area displays the following details:

PROPERTY	VALUE
STATUS	Created
LOCATION	Central US
SUBSCRIPTION NAME	Windows Azure MSDN - Visual Studio Ultimate
SUBSCRIPTION ID	cf96ad51-03f1-455b-a048-9edfc410fa81
RESOURCE GROUP	Demo
RESOURCE ID	/subscriptions/cf96ad51-03f1-455b-a048-9edfc410fa81/resourceGroups

### 1. Scale

View general details of your jobs.

## Monitoring

The screenshot shows the 'demostreamjob - Metrics' page. The left navigation pane has a red circle with the number '1' next to the 'Metrics' link and a red circle with the number '2' next to the 'Alert rules' link. The main content area displays configuration options for monitoring:

- Subscription: Windows Azure MSDN - Visual Studio Ultimate
- Resource group: Stream Analytics Job (streamingjobs)
- Resource type: Stream Analytics Job (streamingjobs)
- Resource: de...

Available metrics section includes a filter box and a note: "You can only select metrics of the same unit (Percent)".

Chart type: Line, Time range: Past 24 hours. There is also a 'Pin to dashboard' button.

### 1. Metrics

View details about the utilization of a Stream Analytics job.

### 2. Alert Rules

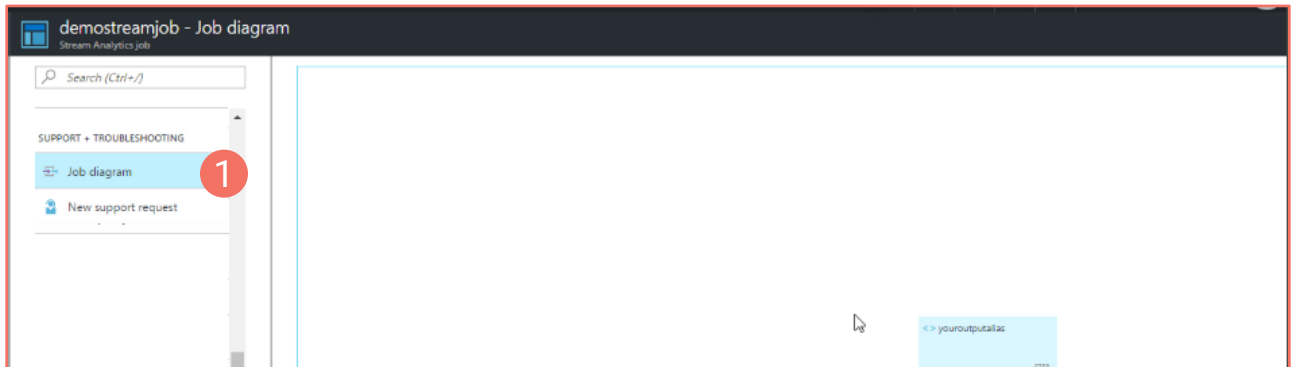
Set up alerts of specific events and functions based on metric data.





# Azure Stream Analytics

## Support + Troubleshooting



### 1. Job Diagram

View how the data comes in and where it goes once the job is active.

Keep these features in mind as you work your way through Azure Stream Analytics, setting up jobs and visualizing the data.

