

Configuration Azure Stream Analytics Job:

New Stream Analytics job

Basics

Storage

Tags

Managed Identity

Review + create

Create new

Instance details

Name *rideauidata

Region * (Canada) Canada Central

Hosting environment *

Cloud

Edge

Streaming unit details

Streaming units (SUs) represents the computing resources that are allocated to execute a Stream Analytics job. The higher the number of SUs, the more CPU and memory resources are allocated for your job. The number of SUs can be modified once you create the job. You will be charged for the job's Streaming Units only when the job runs. [Learn more about streaming units](#)

All new Stream Analytics jobs created through the portal use Standard V2 pricing. [Visit Stream Analytics's pricing page to learn more.](#)

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New Stream Analytics job

Basics

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This storage account is used for storing content related to your Stream Analytics job, such as SQL reference data snapshots.

Add storage account

Subscription

Azure for Students

Storage accounts *

rideaustorage

Authentication mode *

Connection string

To enable CMK, select the storage account setting. This setting cannot be modified after job gets created. All your private data assets will be stored in this storage account. [Learn more](#)

Secure private data in storage account

New Stream Analytics job

Basics Storage Tags Managed Identity **Review + create**

[View automation template](#)

Basics

Subscription	Azure for Students
Resource group	cs18916
Name	rideadata
Location	Canada Central
Hosting environment	Cloud
Streaming units	2

Storage

Subscription	Azure for Students
Storage account	rideaustorage
Authentication mode	Connection string

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rideadata | Inputs ☆ ...

Stream Analytics job

Search

+ Add input Refresh

Alias ↑ Source type Type

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Job topology

Inputs

Functions

Query

Outputs

No-code editor (preview)

Settings

Developer tools

Monitoring

IoT Hub

New input

\$Default

Shared access policy name * ⓘ

iothubowner

Shared access policy key ⓘ

Endpoint ⓘ

Messaging

Partition key ⓘ

Event serialization format * ⓘ

JSON

Encoding ⓘ

UTF-8

Event compression type ⓘ

None

Save

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

chha0038@algonquiniv... ALGONQUIN COLLEGE (ALGONQ...)

Home > rideadata

rideadata | Outputs ☆ ...

Stream Analytics job

Search

+ Add output Refresh

Alias ↑ Type

Blob storage/ADLS Gen2

New output

Output alias *

rideaucanldata ✓

☐ Provide Blob storage/ADLS Gen2 settings manually

☒ Select Blob storage/ADLS Gen2 from your subscriptions

Subscription

Azure for Students

Storage account *

rideaustorage

Container * ⓘ

☐ Create new ☒ Use existing

rideaucanldata

Authentication mode

Connection string

Storage account key ⓘ

Event serialization format * ⓘ

Save

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

chha0038@algonquiniv...
ALGONQUIN COLLEGE (ALGONQ...

Home > rideaustream

<> rideaustream | Query ☆ ...

Stream Analytics job

Search

Start job Open in VS Code Diagnostic settings Refresh Query language docs Share feedback Tutorial

Job ready to start

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Job topology

Inputs

Functions

Inputs (1)

rideauinput

Outputs (1)

rideauoutput

Functions (0)

Test query Save query Discard changes

```
7      location,
8      AVG(iceThickness) AS avgIceThickness,
9      MAX(snowAccumulation) AS maxSnowAccumulation,
10     System.Timestamp AS timestamp
11  INTO
12     rideauoutput
13  FROM
14     rideauinput
15  GROUP BY
16     location,
17     TumblingWindow(minute, 5)
```

Inout preview Test results Job simulation (preview)

Functions

<> Query

Outputs

No-code editor (preview)

Settings

Environment

Storage account settings

Add or remove favorites by pressing Ctrl+Shift+F

resource visualizer

Job topology

Inputs

Functions

<> Query

Outputs

No-code editor (preview)

Settings

Environment

Storage account settings

Add or remove favorites by pressing Ctrl+Shift+F

rideaucanaldata

Functions (0)

Showing sample events from 'RideauCanalHub'.

Table Raw Refresh Select time range Upload sample input Download sample data

location	iceThickness	surfaceTemperature	snowAccumulation	externalTemperature	timestamp
string	bigint	float	bigint	float	datetime
"Dow's Lake"	35	-7.6	8	-9.7	"2025-04-10T20:58:36..."
"Dow's Lake"	19	-9.9	16	-4.4	"2025-04-10T20:58:46..."
"Dow's Lake"	18	-2.7	19	-19.7	"2025-04-10T20:58:56..."
"Dow's Lake"	33	-3.9	10	-13.4	"2025-04-10T20:59:06..."

While sampling data, no data was received from '1' partitions.

Ln 10, Col 45