

Azure Stream Analytics Injecting Data

Learning Objectives

Azure Stream Analytics: Injecting Data



- **What types of input data are supported in ASA?**
- **How does Data Stream information flow to an ASA job?**
- **How do I connect Event Hub data to an ASA job?**
- **How do I create dummy data for ASA jobs?**
- **How do I connect Reference data to an ASA job?**

Data Input Types Review

Azure Stream Analytics: Injecting Data



DATA
STREAM

- CONSTANT FLOW
- REAL-TIME



REFERENC
E DATA

- STATIC
- STORED IN

FILE/DOCUMENT

Data Input Types Review

Azure Stream Analytics: Injecting Data

LICENSE
NUMBER

PLATE

FEE AMOUNT



Data Input Types Review

Azure Stream Analytics: Injecting Data



EVENT HUB



IOT HUB



BLOB STORAGE

PaaS Data Pipelines

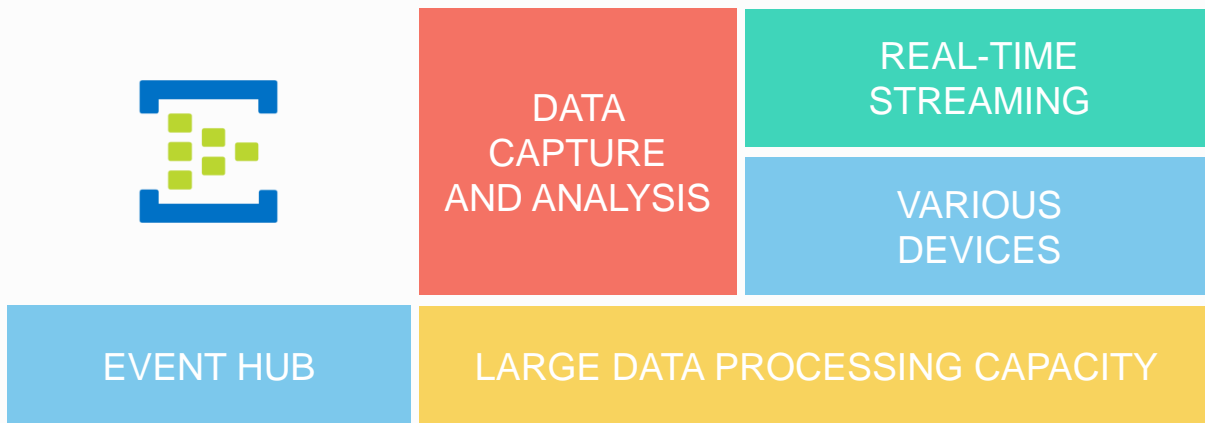
Stored Data

Streaming Data

Blobs

Event Hubs

Azure Stream Analytics: Injecting Data



DEMO

Connecting Event Hub Data Streams to ASA Jobs

- Creating Event Hub
- Adding Event Hub Pipeline
- Adding Event Hub to ASA Job



DEMO

Azure Virtual Machines

- Creating Azure Virtual Machine
- Configure Azure Virtual
- Upload Python Script on Virtual Machine
- Run Python Script to push real time data in Event Hub



Understanding Reference Data

Azure Stream Analytics: Injecting Data



Static

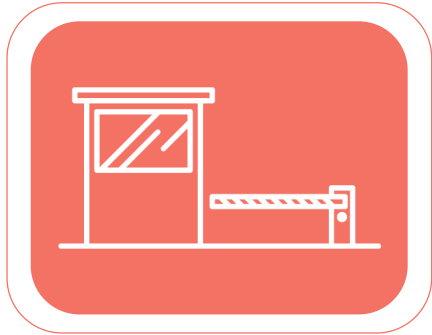
Source for lookups or correlation

Format supported: A in the blob name

Blobs ordered by time and date in the blob name

Understanding Reference Data

Azure Stream Analytics: Injecting Data



- LICENSE NUMBER
- PLATE
- FEE AMOUNT

- LICENSE NUMBERS
- PLATES
- STATES
- STATES CODES

- CAR STATE



DEMO

Understanding Reference Data

- Add Reference Data as input type
- Choose Blob Storage
- Provide Reference data file





Two Input Types: Data Stream and Reference Data

Data Stream Sources: Event/IOT Hubs, and Blob Storage

Event Hubs push High Volume, Real-Time Data to ASA

**Demos:
Connect Event Data Hubs and Reference Data to ASA
Creating Virtual Machines**

