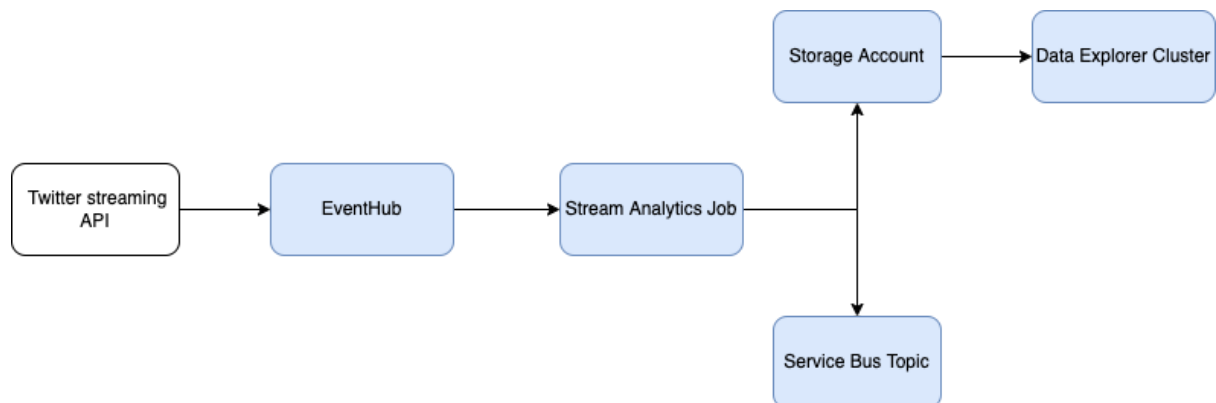


Twitter CatDog lovers activity tracker



The project investigates the activity of cats and dogs lovers on Twitter by tracking posted images of these pets through Twitter stream API (/2/tweets/search/stream/rules).

Stream data is sent to Azure EventHub and corresponding events are used as input for Stream Analytics job. The job processes data in two ways:

- sends it to Storage account to make it available for ingestion into Data explorer for future analysis and visualization with the help of Kusto query language
- generates a message to Service Bus topic in case a specific condition is met (in particular, a number of images with a specific type during the time 't' exceeds some predefined value 'n').

The data flow starts by running a python app requesting data from the Twitter streaming API, transforming it, and sending events to Azure EventHub. Messages from the Azure Service Bus topic are read by running another python script with an appropriate service client instance.