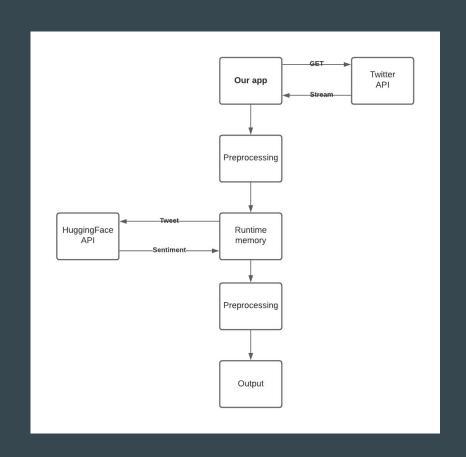
Twitter real-time sentiment analysis

•••

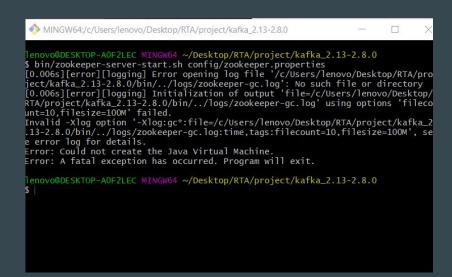
Authors: Alan Kashkash <u>Ka</u>mil Książek

High-level architecture



Technological obstacles

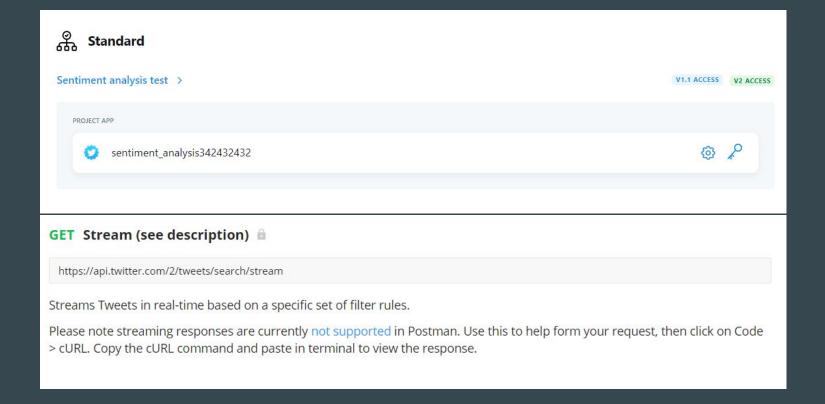
- We couldn't establish connection to TCP socket.
- Netcore commands to open port didn't work
- Apache Kafka errors



C:\Users\lenovo>nc -lk 9999

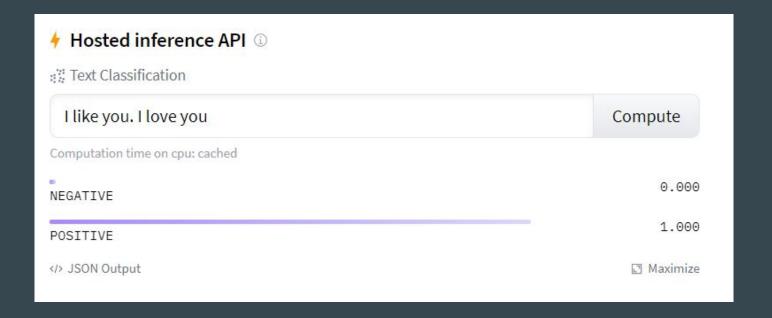
'nc' is not recognized as an internal or external command, operable program or batch file.

Twitter API



Sentiment analysis with HuggingFace API

Model: distilbert-base-uncased-finetuned-sst-2-english



Preprocessing functions

Parse JSONs - Parsing incoming JSON data from Twitter to plain text for NLP analysis

Value checker - Function for sentiment data from HuggingFace API to compare probabilities of labels and display only the label with the highest probability

Outcome

