

## Usecase 2: AI-Driven Social Media Dashboard

The AI-Driven Social Media Dashboard solution enables you to gain insights into conversations by analyzing social media interactions.

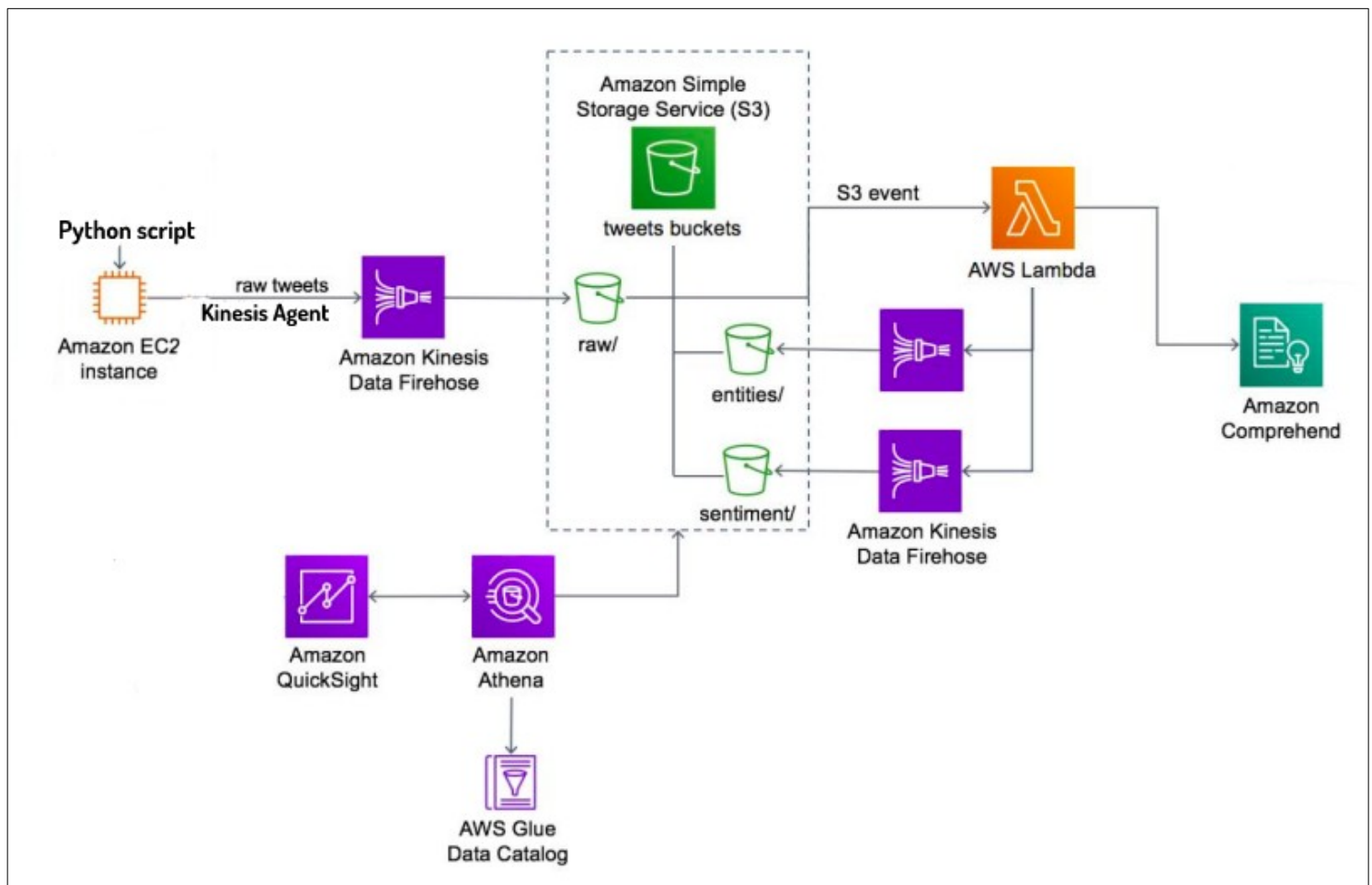
This use case allows you to capture inputs in near real-time, translate them, and store both the raw and enriched datasets durably in the solution's data lake. You can then analyze this data and create meaningful dashboards to visualize and understand input sentiment.

### Input

- tweets.json file

### Steps

Followed the below architecture to send data from tweets.json file using python script to sent 100 tweets per file from EC2 using Kinesis Agent.



1. Created EC2 instance.
2. Installed Kinesis agent in EC2 to send tweets to firehose.
3. Deployed python script to split tweets.json file to small files , 100 record each.
4. Created IAM role for EC2 with Administrator access policy to access firehose.
5. Uploaded application template to cloud formation **(attached)**.
6. Ensuring that tweets sent to S3 and can query via Athena.
7. Created dashboard using Quicksight **(attached)**.

