

Project Introduction

Your Project for the Week

Goal:

Write software that captures and processes a stream of real-time, dynamic data and turns it into something useful, e.g. a slackbot that sends periodic updates. $33 \rightarrow 3$

- Manage and run and entire data stream / "pipeline", where each component of the pipeline is its own, isolated "microservice" managed by Docker Compose.
- In simpler terms: Run a complex, interconnected piece of software (composed of 5 individual moving parts) in such a way that all components run continuously and talk to each other, and the whole pipeline can be launched (and stopped) with a single command.

Data:

- Your API of choice!
- Probably twitter, but you can use others as well.

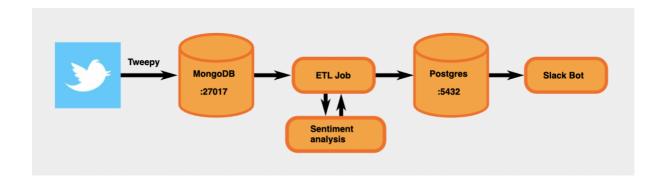
(A lot of) New concepts this week:

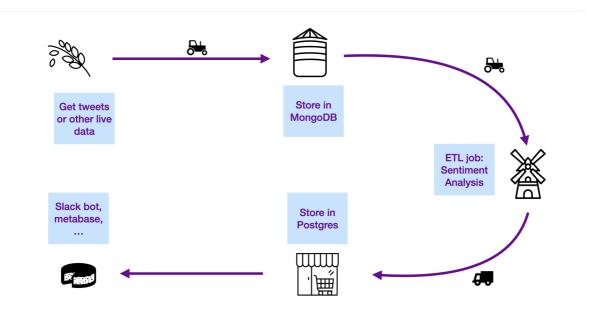
- APIs
- Docker/Docker Compose
- MongoDB
- ETL (Extract-Transform-Load)

Project Introduction 1

• Sentiment Analysis

Your Workflow for the Week





Windmill by Start Up Graphic Design from the Noun Project silo by Francielly Costantin Senza from the Noun Project Cake by Maurizio Fusillo from the Noun Project

Truck by Creative Stall from the Noun Project Tractor by Bernar Novalyi from the Noun Project Grains by Ivana Milchanska from the Noun Project supermarket by Made from the Noun Project

Project Introduction 2