CBI Project: Microservices Architecture Overview

Data Scientists / Analysts (City of Chicago)

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Microservices: Reports API

- Taxi Driver Covid Alerts (req 1)
- Airport Taxi Trips Covid Monitor (req 2)
- CCVI Taxi Neighborhood Monitoring (req 3)
- Streetscaping Forecasts (req 4)
- Neighborhood Building Permit Incentives (req 5)
- Small Business Building Permit Loans (req 6)

PostgreSQL

Microservices: ETL

| Taxi Data ETL | Permit ETL | UE ETL | Covid ZIP ETL | Covid Dly ETL |
| Taxi Data Retrieval | Permit Retrieval | UE Retrieval | Covid ZIP Retrieval | Covid Dly Retrieval |

Socrata: Chicago Data Portal APIs

- taxi_data
- Bldgpermit_data
- unemployment_data
- covidzip_data
- coviddaily_data