Postgres Tables

General

All postgres tables are populated using /postgresDBtst/postgres-insert-all.py.

Logs

If the python file was triggered using the /postgresDBtst/postgres-insert.bat file, then an output log will be saved in the following dropbox folder: /systems_data/logs/.
Log files will be kept for 7 days and then deleted by the bat file mentioned above.

Backups

If enabled, the input for a table will be also saved as a .csv in a folder with it's table name in the /systems_data/report_data_source dropbox folder.
The file name of the csv will be a timestamp from when the database was updated with that data.
For example, every time the *late_notice* table is updated, a csv will be created in the folder /systems_data/report_data_source/latre_notice/

CMD Args

The python file implements the argparse package, which means you are able to pass command line arguments to the python program to adjust how it runs.
If no arguments are given, every table will be updated- otherwise the table name(s) can be given as flags to update only those.
Here are a few examples:

- Update all tables: `python postgres-insert-all.py`
- Update just the turnover table: `python postgres-insert-all.py --turnover`
- Update both the property and sites table: `python postgres-insert-all.py --property --sites`

Schedule

The tables are updated using Task Scheduler on the virtual machine Maserati user the user *jmayberry*.
Here is a list of when each table is updated:

- Daily at 8:00 AM
  - property
  - occupancy
  - sites
  - resident
  - days_vacant
- Every 2 hours between 6:00 AM and 10:00 PM
  - late_notice
- Every 30 minutes between 6:00 AM and 10:00 PM
  - turnover

Unit Tester

The hourly unit tester program will check the column *date_modified* in each table to make sure they are updating as intended. Because different tables are updated at different rates- different tables need to meet a different threshold requirement to be considered as "updating correctly". If a table is not updating correctly, The MS Teams channel **Unit Tests** will post about it.

Trello Cards

When a table is worked on, it is logged in the following trello cards:

- property: https://trello.com/c/2vLVAey7
- turnover: https://trello.com/c/9q7Y7yFe
- sites: https://trello.com/c/rtBoHA79
- resident: https://trello.com/c/kTp5ra35

- occupancy: https://trello.com/c/pZL0xi2W
- days_vacant: https://trello.com/c/5NHHFLy1
- late_notice: https://trello.com/c/YIbzHnES
- acap: https://trello.com/c/XCiwprQz

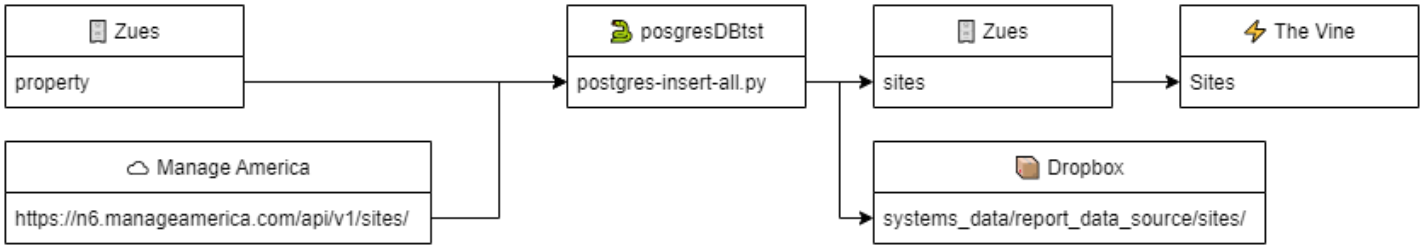
Data Flows

Here is a visual of how data flows into the postgres tables.

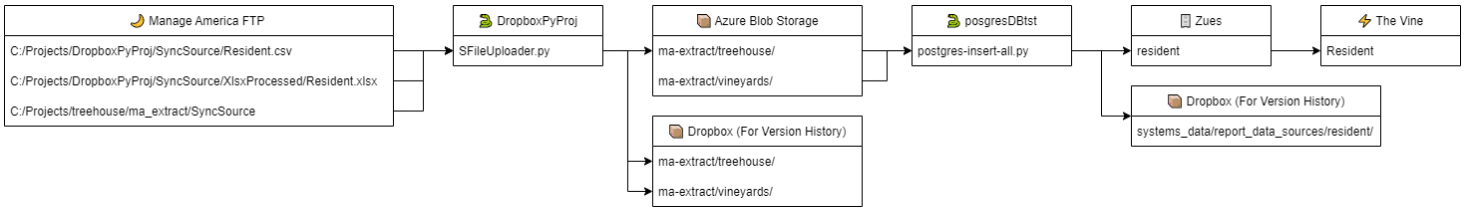
property

turnover

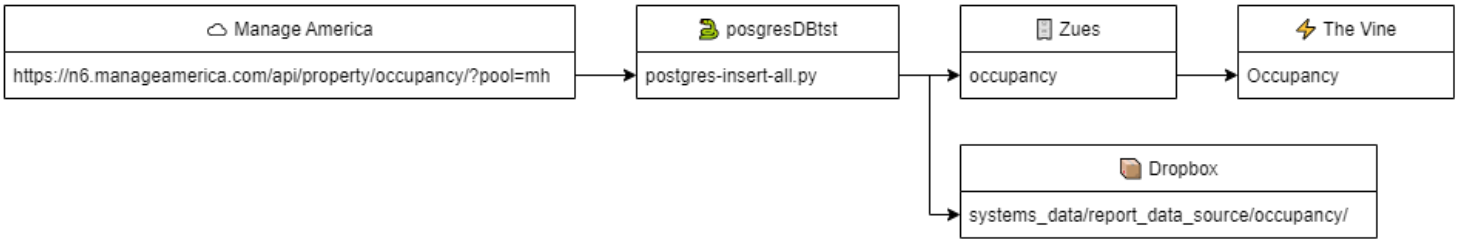
sites



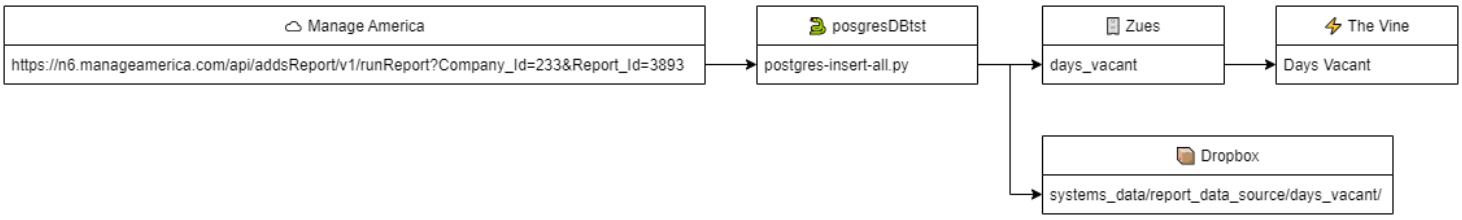
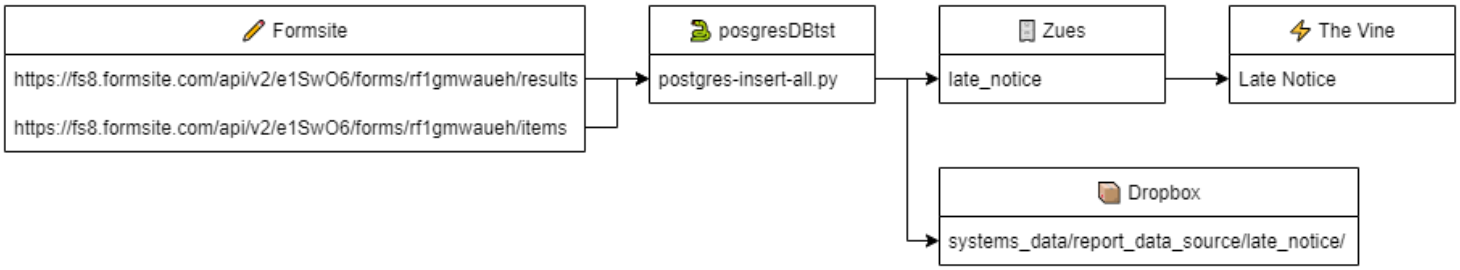
resident



occupancy



days_vacant



late_notice