Steps to setup pg_partman

Steps to setup partman

** Make sure you don't have the postgres service running on windows **

[Use WSL Ubuntu](#) :

- It may need some additional setup (enable virtualization, etc)

Install postgresql on ubuntu:

- [Follow these steps](#)
  - make sure you update it to the latest version (currently 13)

Login and setup postgres and postgres user:

1. Run the psql command from the postgres user account
   - `sudo -u postgres psql postgres`
2. Set the password
   - `\password postgres`
3. Enter a new password (pass@word1)
4. Close psql
   - `\q`

Run the following commands:

```
`sudo apt install make`
`sudo apt install gcc`
`sudo apt install postgresql-server-dev-13` (if the version ever changes, change that number at the end)
```

Setting up partman:

- In your working folder run:

- git clone https://github.com/keithf4/pg_partman
- cd pg_partman
- make install

Commands that may come in handy:

`sudo service postgresql start` (starts postgres service)

`sudo service postgresql restart` (restarts postgres service)

`sudo service postgresql stop` (stops postgres service)

`explorer.exe .` (Use this if you fancy an explorer view instead of a terminal one. Also allows you to edit the files without using vim)

To get PgAdmin working:

Inside of the pg_hba.conf file, change the local connection to

 `host    all         all             0.0.0.0/0           md5`

Inside of postgres.conf change listen_addresses under CONNECTIONS AND AUTHENTICATION to

 `listen_addresses = '*'`

Example docs to get partman setup:

- How to

Additional Info

https://github.com/pgpartman/pg_partman/blob/master/doc/pg_partman.md

Partition types that pg_partman supports

- Time based
- Integer based

Peformance with 1 billion entries

Saved in the SPIKE:

- 38507 [Spike] Investigate using Partman (Postgres plugin) to partition audit logs by date
  Closed

Revision #2
Created 18 July 2022 23:21:18 by Bryce Holloway