object-service setups for MacOS

Summary

Setup steps:

1. To set up your Python environment:

   a. Follow the instruction in this website to install Anaconda.

   b. Create (and activate) a new environment with Python 3.7.

   For **Linux** or **Mac:**

```
conda create -n objsvc python=3.7 pyodbc astor pandas
conda activate objsvc
```

2. Create PostgreSQL chinook database:

   a. Download and install **PostrgreSQL** following this website and **pgAdmin**(MacOS) from here

   b. Create `chinook` database in **PostrgeSQL** following the instructions here.

   - Nagivate to `ChinookDatabase/DataSources` folder and find `Chinook_PostgreSql.sql` from here.
   - Open **pgAmin** `Quary Tool` and copy and run the code directly.

3. Connect **PostgreSQL** using **Azure Data Studio**:

   a. Download and install **Azure Data Studio** following the instruction here.

   b. Install PostreSQL extension in **Azure Data Studio** following the instruction here.

   c. Connect **PostgreSQL** with **Azure Data Studio** following the instruction here.

4. Connect **MSSQL Server** using **Azure Data Studio**:

   a. Install **MSSQL Server** using **Docker** container following the video here which does not require you to use any commands to install.

   b. Connect **MSSQL Server** with **Azure Data Studio** following the instruction here.

5. Create `chinook` database in **MSSQL Server**:

   a. Find `Chinook_SqlServer.sql` here and download it to your local address.

   b. then create database using that file.

```
mssql-cli
sqlcmd -S localhost -U sa -P your_password -b -i
/your_local_address/Chinook_SqlServer.sql
```

After you download the `object-service` repository to your local address using

```
git clone https://github.com/gsallc/object-service.git
cd object-service
```

You may need to install some dependencies:

```
pip install deprecated
pip install toposort
pip install pony
pip install mssql-cli
pip install objsvc
conda install pyyaml
pip install lazy-object-proxy
pip install pyodbc
```

install **MS ODBC** driver for **SQL Server** :

```
/usr/bin/ruby -e "$(curl -fsSL
https://raw.githubusercontent.com/Homebrew/install/master/install)"
brew tap microsoft/mssql-release https://github.com/Microsoft/homebrew-mssql-
release
brew update
HOMEBREW_NO_ENV_FILTERING=1 ACCEPT_EULA=Y brew install msodbcsql17 mssql-tools
```