MSSQL to PGSQL Migration

Following bullet point describes how to migrate MSSQL database to PostgreSQL in three simply steps.

MSSQL

We have extracted the data that is received in the is the .bak format using container.

1. Install DbVisualizer

Run docker image of mssql from dockerhub

docker run -e "ACCEPT\_EULA=Y" -e "MSSQL\_SA\_PASSWORD=yourpassword" --name "<dbName>" -p 1400:1433 -v sqldata:/var/opt/mssql \

-d mcr.microsoft.com/mssql/server:2019-CU3-ubuntu-18.04

Make a directory called backup and copy the file into backup folder inside the container.

docker exec -it mssql-db  mkdir /var/opt/mssql/backup

cp <from location(path)> mssql-db:/var/opt/mssql/backup

List out logical file names and path inside the backup.

docker exec -it mssql-db /opt/mssql-tools/bin/sqlcmd -S localhost \

-U SA -P 'yourpassword' \

-Q 'RESTORE FILELISTONLY FROM DISK = "/var/opt/mssql/backup/<backup filename>"' \

   | tr -s ' ' | cut -d ' ' -f 1-2

Call Restore Database commands to restore the database inside the container.

docker exec -it  msssql-db /opt/mssql-tools/bin/sqlcmd  \

-S localhost -U SA -P ' yourpassword '  \

-Q 'RESTORE DATABASE mssqldb FROM DISK = "/var/opt/mssql/backup//<backup filename>" " WITH MOVE "RetailV45" TO "/var/opt/mssql/data/mssqldb.mdf", MOVE "RetailV45\_log" TO "/var/opt/mssql/data/mssqldb.ldf "'

Verify :

docker exec -it mssql-db /opt/mssql-tools/bin/sqlcmd -S localhost -U SA -P 'yourpassword' -Q 'SELECT Name FROM sys.Databases'

PostreSQL