


PostgreSQL Migration

Last updated by | Lisa Liu | Nov 6, 2020 at 10:34 AM PST

Migration to Azure Database for PostgreSQL can be done with different methods:

1. Export/ Import: <https://docs.microsoft.com/en-us/azure/postgresql/howto-migrate-using-export-and-import>
2. Dump/restore: <https://docs.microsoft.com/en-us/azure/postgresql/howto-migrate-using-dump-and-restore>
3. DMS: <https://docs.microsoft.com/en-us/azure/postgresql/howto-migrate-online>
Migrate Azure DB for PostgreSQL - Single Server to Azure DB for PostgreSQL - Single Server or Hyperscale (Citus) online using DMS via the Azure portal
<https://docs.microsoft.com/en-us/azure/dms/tutorial-azure-postgresql-to-azure-postgresql-online-portal> 

pg_dump

PostgreSQL uses a similar method like MySQL to back up the database(s) like [mysqldump](#).

<https://www.postgresql.org/docs/8.4/static/app-pgdump.html>

PostgreSQL restore can be done either on the pgAdmin GUI or using the command line, we've notice that the database restore using the command line is faster and more reliable

pg_restore

<https://www.postgresql.org/docs/8.4/static/app-pgdump.html>

pg_restore is used to restore the database from a dump using the following command

```
pg_restore -h Server_name -U Server_admin_login_name -d database_name dump_location
```

You need to access the pg_restore using the cmd and then navigating to the pg home the default value for it is

```
C:\Program Files\PostgreSQL\9.6\bin
```

Pg_restore might need the following two grants to work with no issues just If the customer is getting an error to use superuser to continue the restore process:

```
GRANT ALL PRIVILEGES ON ALL TABLES IN SCHEMA public TO your_username;  
GRANT ALL PRIVILEGES ON ALL SEQUENCES IN SCHEMA public TO your_username;
```

Recommendation on data restore

<https://www.postgresql.org/docs/current/static/populate.html>

Created with Microsoft OneNote 2016.

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