

# Connecting to Azure Database for PostgreSQL with SSL certificate authentication

Last updated by | Lisa Liu | Nov 6, 2020 at 10:33 AM PST

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Thursday, July 6, 2017  
2:59 PM

Currently, there is a known issue if you use "sslmode=verify-full" in your connection to the service, the connection will fail with the following error: *server certificate for "<region>.control.database.windows.net" (and 7 other names) does not match host name "<servername>.postgres.database.azure.com"*. If "sslmode=verify-full" is required, please use the server naming convention **<servername>.database.windows.net** as your connection string host name. We plan to remove this limitation in the future. Connections using other [SSL modes](#) should continue to use the preferred host naming convention **<servername>.postgres.database.azure.com**.

One of the customers experienced this issue even with the above workaround in place. Below is an example of psql command and connection string that failed:  
**psql 'dbname=token user='token@<servername>' host='<servername>.database.windows.net' port=5432 sslmode=verify-full'**

Error message:

**psql: server common name 'eastus1-a.control.database.windows.net' does not match host name '<servername>.database.windows.net'**

This issue was resolved after upgrading the postgresql client from 9.4 to 9.6

As a workaround against client 9.4 we can try using the sslmode=verify-ca option instead and specifying the .crt/.pem file

**psql "sslmode=verify-ca sslrootcert=root.crt host=<servername>.postgres.database.azure.com dbname=postgres user=mylogin@<servername>"**

Writeup on this from the PostgreSQL side discussing the validations in addition to the SSL mode mentioned above.

<https://www.postgresql.org/docs/9.1/static/libpq-ssl.html>

Created with Microsoft OneNote 2016.

**How good have you found this content?**



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