

Connection Considerations

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1:09 PM

MySQL Specific

FQDN is easily visible in the Server Essentials area of the portal just like Azure SQL DB

The above is no longer version specific. Regardless of version, the default FQDN will be `mysql.database.azure.com` or `postgresql.database.azure.com`. Currently the `server.database.windows.net` can be used for any version of both offerings but suggest the new FQDN going forward.

If customers use just username instead of `username@servername` in connection string, connection fails.

Sample Error:

psql: FATAL: Invalid Username specified. Please check the Username and retry connection. The Username should be in format.

PostgreSQL specific connection needs

If customers use just username instead of `username@hostname` in connection string, connection fails.

Certain tools will also require the Database name.

Psql treats user name as database name if later is not provided. Given that we include server name in user name, we need to provide using `-d` option

Repro:

```
psql -h dfpgsb01.database.windows.net -U CloudAdmin@dfpgsb01
```

Password for user CloudAdmin@dfpgsb01:

Error Message

psql: server closed the connection unexpectedly

This probably means the server terminated abnormally before or while processing the request.

Bug Fix (Change Message)

psql: FATAL: Invalid Username specified. Please check the Username and retry connection. The Username should be in `<user name@hostname>` format.
Update documentation

Server Name Requirement in Connection String

We need to embed the server name into user name to allow the gateway to identify the logical server. We did that in early SQL DB as well, but it became unnecessary later, because new SQL Server clients started including the logical server name as a part of initial connection negotiation.

Postgres or MySQL clients cannot do that today. We have plans to contribute protocol changes that would improve this situation, but that is going to take a while.

Users need to add parameters to select the database name in PostgreSQL

Please refer to our public documentations to see how to connect using various application types :

<https://docs.microsoft.com/en-us/azure/postgresql/> 

Connect and query

CONCEPT

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