

Connecting with psql

This guide explains how to connect to a **TimescaleDB** database using the `psql` command-line tool. It walks through the necessary setup, connection process, and execution of a simple SQL query.

Variables

To connect to a TimescaleDB database, you only need **one environment variable** — the connection URI.

Variable	Description	Purpose
<code>TIMESCALE_URI</code>	Full TimescaleDB connection string from Elestio	Encodes all connection info in one URI

A typical URI looks like this:

```
postgres://<USER>:<PASSWORD>@<HOST>:<PORT>/<DATABASE>
```

You can find the details needed in the URI from the **Elestio service overview** details. Copy and replace the variables carefully in the URI example provided above.



timescaledb-gi7jy

TimescaleDB

Cluster

Running

Open terminal

Delete cluster

Add node

Overview

Nodes

Backups

Audit

Termination protection

Disabled. VM can be powered off and terminated.

Protection deactivated



Auto-Failover

Enabled. In case of failure, the cluster will automatically attempt to recover

Auto-Failover activated



Node

1 Primary Node

Database Admin

Display your database credentials

Hide DB Credentials

Host timescaledb-gi7jy-u7774.vm.elestialio.app



Port 25432



User postgres



Password *****

Show password



CLI PGPASSWORD=***** psql --host=timescaledb-gi7jy-u7774.vm.elestialio.app --port=25432 --username=postgres

Show password



Prerequisites

While following this tutorial, you will need to have `psql` already installed; if not head over to <https://www.postgresql.org/download/> and download it first.

Connecting to TimescaleDB

Open your terminal and run the following command to connect to your TimescaleDB database using the full connection URI:

```
psql TIMESCALE_URI
```

If the connection is successful, you'll see output similar to this. Here it will show you the database you tried to connect to, which in this case is Elestio:

```
psql (17.4, server 14.13 (Debian 14.13-1.pgdg120+1))
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, compression: off, ALPN:
none)
Type "help" for help.
```

```
elestio=#
```

■

To ensure you're connected correctly, run this command inside the `psql` prompt:

```
SELECT version();
```

You should receive output like the following:

```
version
-----
PostgreSQL 16.8 (Debian 16.8-1.pgdg120+1) on x86_64-pc-linux-gnu, compiled by gcc (Debian
12.2.0-14) 12.2.0, 64-bit
(1 row)
```

Revision #1

Created 13 May 2025 08:12:48 by kaiwalya

Updated 13 May 2025 08:14:08 by kaiwalya