

Connecting with PHP

This guide explains how to connect a PHP application to a TimescaleDB database using the **PDO extension**. It covers setting up prerequisites, configuring the connection URI, and running a test 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:

```
postgresql://<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.elestialo.app



Port 25432



User postgres



Password *****

Show password



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

Show password



Prerequisites

Install PHP

Check if PHP is installed:

```
php -v
```

If not, download and install PHP from: <https://www.php.net/downloads.php>

Code

Once all prerequisites are set up, create a new file named `tdb.php` and add the following code and replace the `TIMESCALE_URI` with actual link or in environment setup as you wish:

```
<?php
$db_url = getenv("TIMESCALE_URI") ? "postgresql://user:password@host:port/database";
$db_parts = parse_url($db_url);
$db_name = ltrim($db_parts['path'], '/');
```

```
$dsn = "pgsql:host=${db_parts['host']};port=${db_parts['port']};dbname=${db_name}";

try {
    $pdo = new PDO($dsn, $db_parts['user'], $db_parts['pass']);
    $version = $pdo->query("SELECT VERSION()")->fetchColumn();
    echo "Connected to TimescaleDB: " . $version . PHP_EOL;
} catch (PDOException $e) {
    echo "Connection failed: " . $e->getMessage() . PHP_EOL;
}
```

To execute the script, open the terminal or command prompt and navigate to the directory where `tdb.php`. Once in the correct directory, run the script with the command

```
export TIMESCALE_URI=postgresql://user:password@host:port/database
```

Navigate to the directory containing `tdb.php` and run:

```
php tdb.php
```

If successful, you'll see output like:

Revision #1

Created 2025-05-13 07:29:44 UTC by kaiwalya

Updated 2025-05-13 07:31:55 UTC by kaiwalya