



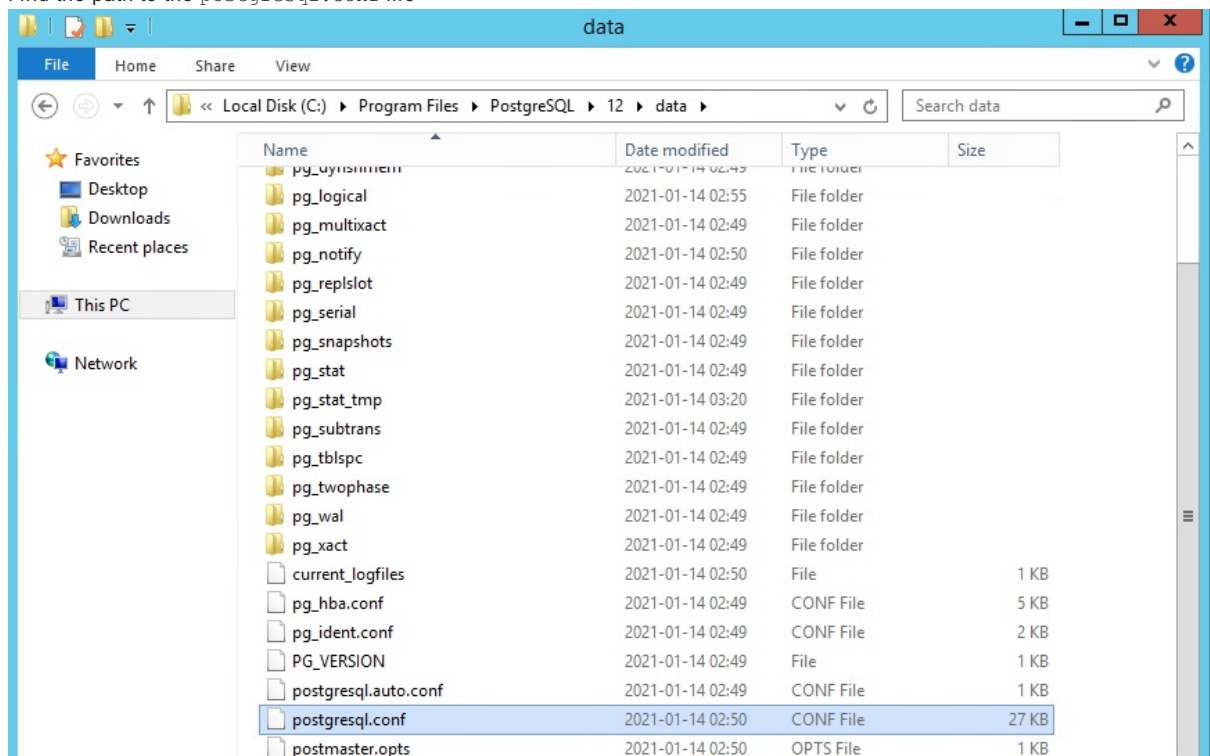
## Installation and configuration of Timescale

dd-inserter receives process data from the OPC data collector [dd-opcda \(https://github.com/cyops-se/dd-opcda\)](https://github.com/cyops-se/dd-opcda) and stores them in a Timescale timeseries database. A typical use case can be found in the [README \(./README.md\)](#) for dd-inserter.

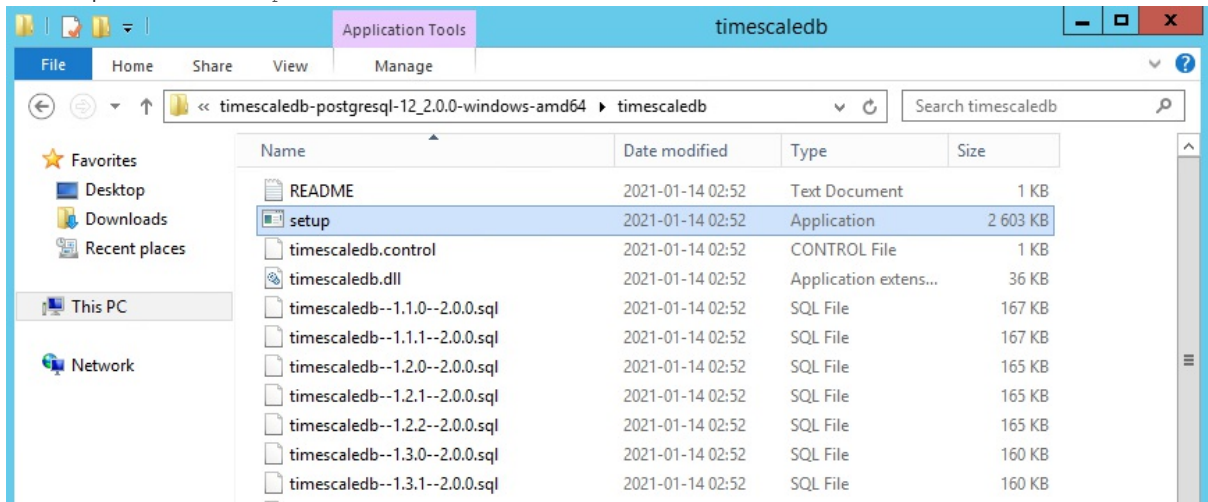
### Step by step instruction (Windows Server 2012)

You must have administrator rights to complete this instruction

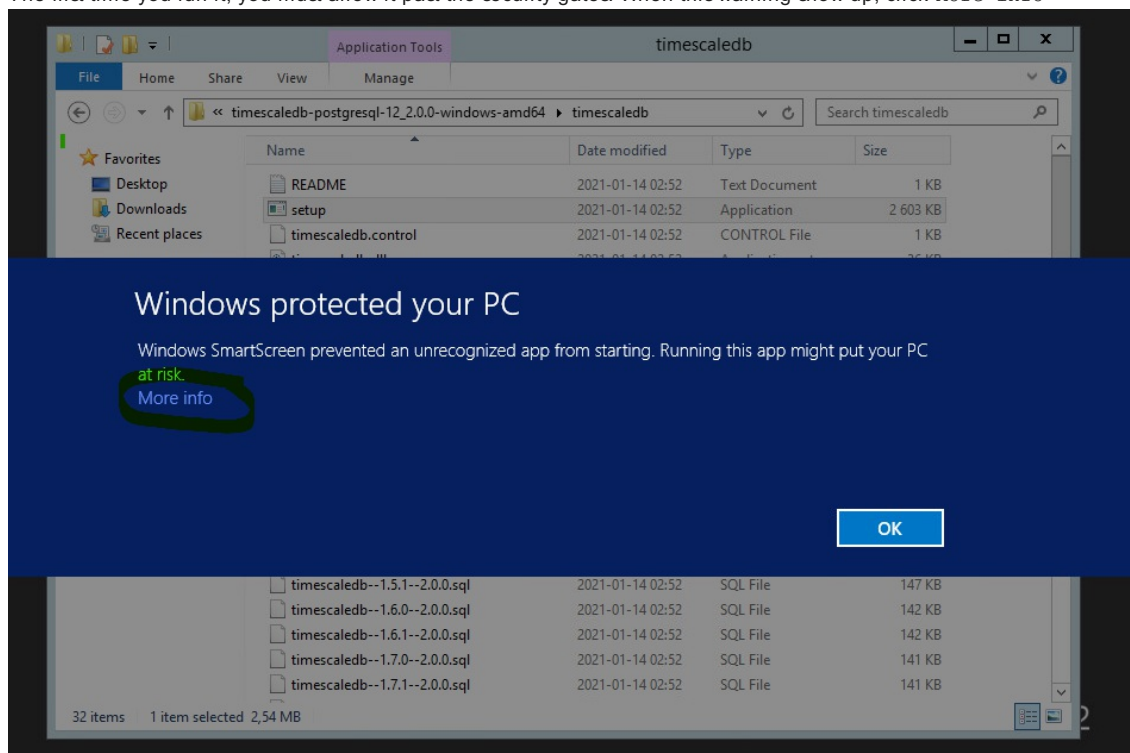
1. Make sure [Visual C++ Redistributable for Visual Studio 2015 \(https://www.microsoft.com/en-us/download/details.aspx?id=48145\)](https://www.microsoft.com/en-us/download/details.aspx?id=48145) is installed
2. Make sure you have a standard PostgreSQL 12 64-bit version installed and running. Instructions for a clean install of PostgreSQL can be found [here](#)
3. Download TimescaleDB binaries from [here \(https://www.microsoft.com/en-us/download/details.aspx?id=48145\)](https://www.microsoft.com/en-us/download/details.aspx?id=48145). Link is also provided in the end of this instruction
4. Find the path to the `postgresql.conf` file



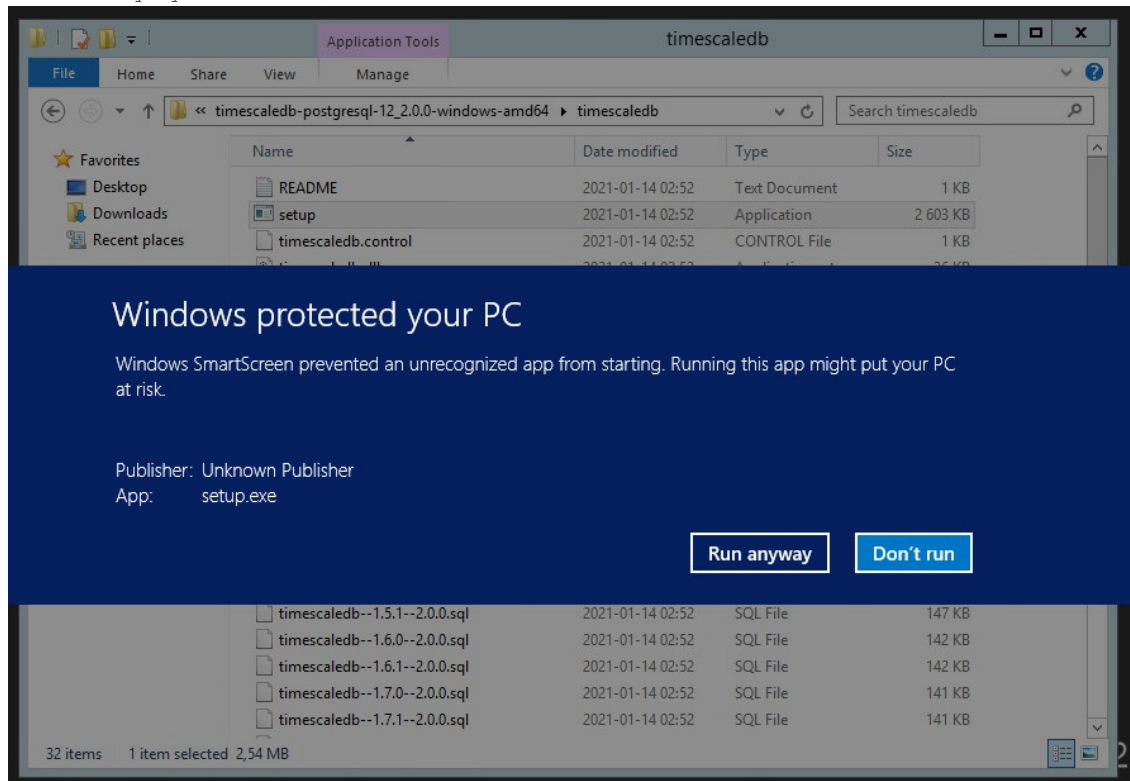
5. Extract zip file and run `setup.exe`



- The first time you run it, you must allow it past the security gates. When this warning show up, click 'More info'



- Click 'Run anyway' to start the console based installation of TimescaleDB



- Press 'y' to start the installation



- Enter the path to the `postgresql.conf` file and press 'Enter'

```

C:\Users\Administrator\Downloads\timescaledb-postgresql-12_2.0.0-windows-...
2021/01/13 19:25:35 WELCOME to TimescaleDB Windows installer!
2021/01/13 19:25:35 timescaledb-tune is a program that modifies your postgresql.
conf configuration to be optimized for your machine's resources.
Do you want to run timescaledb-tune.exe now? [(y)es / (n)o]: y
Please enter the path to your postgresql.conf:
C:\Program Files\PostgreSQL\12\data
== Using postgresql.conf at this path:
C:\Program Files\PostgreSQL\12\data\postgresql.conf
== Writing backup to:
C:\Users\ADMINI~1\AppData\Local\Temp\timescaledb_tune.backup202101131927
== shared_preload_libraries needs to be updated
== Current:
#shared_preload_libraries = ''
== Recommended:
shared_preload_libraries = 'timescaledb'
-- Is this okay? [(y)es/(n)o]: y
SUCCESS: shared_preload_libraries will be updated
-- Tune memory/parallelism/WAL and other settings? [(y)es/(n)o]: n
== Saving changes to: C:\Program Files\PostgreSQL\12\data\postgresql.conf
2021/01/13 19:28:07 Installing TimescaleDB library files...
2021/01/13 19:28:07 Success!
2021/01/13 19:28:07 Installing TimescaleDB control file...
2021/01/13 19:28:07 Success!
2021/01/13 19:28:07 Installing TimescaleDB SQL files...
2021/01/13 19:28:13 Success!
TimescaleDB installation completed successfully.
Press ENTER/Return key to close...

```

- Press 'Enter' again to exit the TimescaleDB installation
- Restart the PostgreSQL service

6. Done

## PostgreSQL 12 installation instructions

These instructions and screenshots comes from a clean and updated version of **Microsoft Windows Server 2012 R2 Standard** (Jan 13, 2021)

- Download the latest PostgreSQL 12.x installation package for Windows from [here](https://www.enterprisedb.com/downloads/postgres-postgresql-downloads) (<https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>) <https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>

## It is important you download version 12 of PostgreSQL

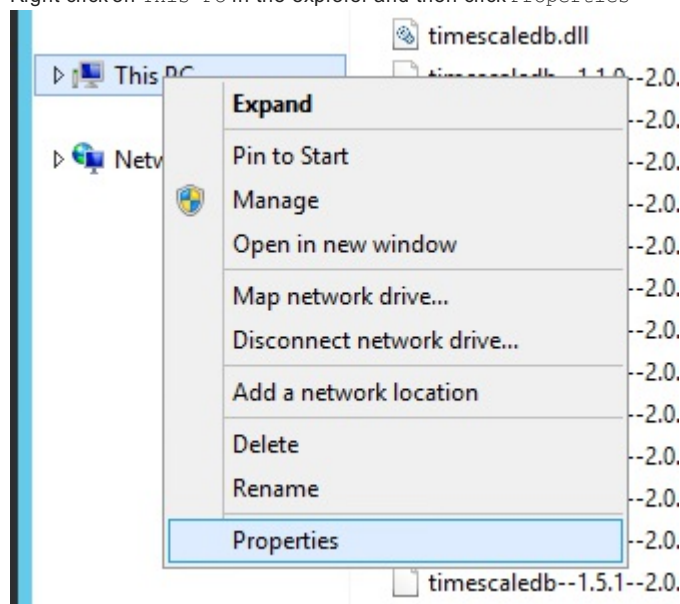
← → ↻ enterisedb.com/downloads/postgres-postgresql-downloads ☆

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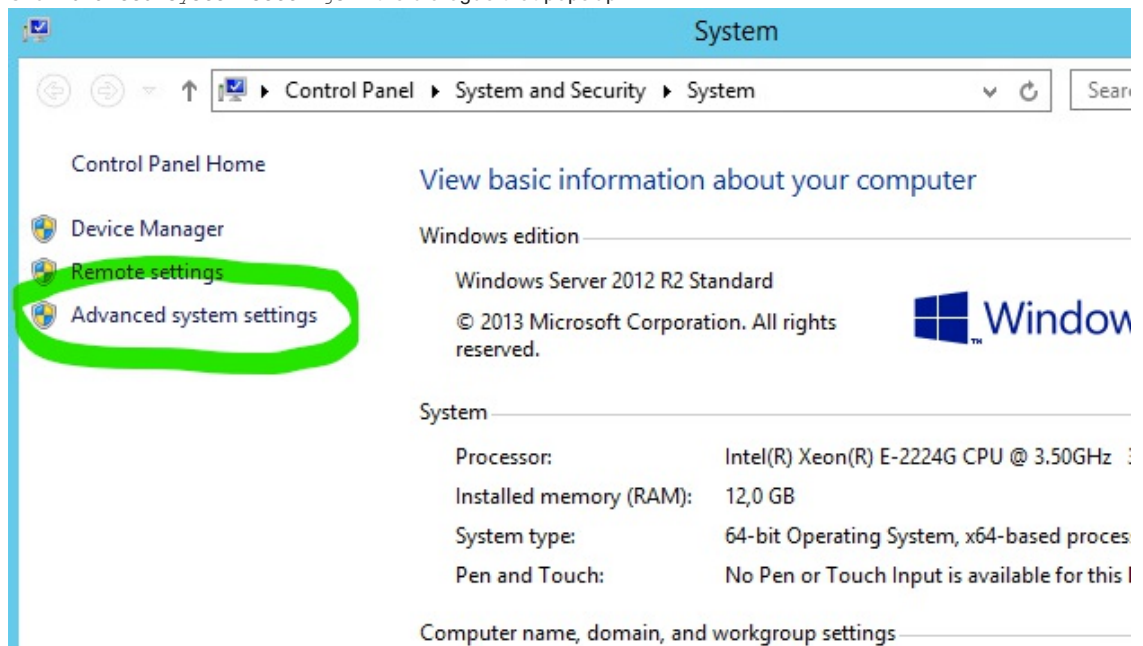
Version	Linux x86-64	Linux x86-32	Mac OS X	Windows x86-64	Windows x86-32
13.1	N/A	N/A	<a href="#">Download</a>	<a href="#">Download</a>	N/A
12.5	N/A	N/A	<a href="#">Download</a>	<a href="#">Download</a>	N/A
11.10	N/A	N/A	<a href="#">Download</a>	<a href="#">Download</a>	N/A
10.15	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>
9.6.20	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>
9.5.24	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>
9.4.26 (Not Supported)	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>
9.3.25 (Not Supported)	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>	<a href="#">Download</a>

Please Note: EDB no longer provides Linux installers for PostgreSQL 11 and later versions, and users are encouraged to use the [platform-](#)

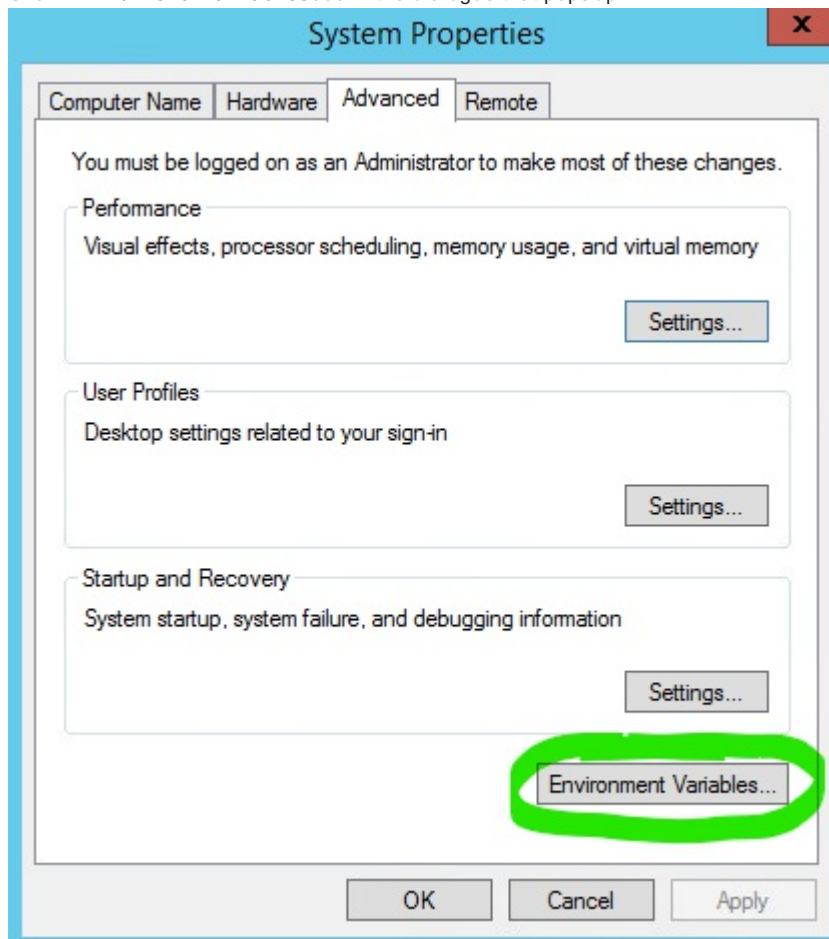
- Run the downloaded executable to start the installation of PostgreSQL
- Unless there are specific requirements regarding application and database storage locations, the default settings will install the application and database files to the C: drive.
  - Note down the path to location where the application binaries are stored** (e.g. C:\Program Files\PostgreSQL\12\bin)
  - Remember the password entered in one of the dialogs!** It is needed to configure the database later
- Complete all dialogues and skip the StackBuilder section
- Update the PATH environment variable to include the path the PostgreSQL binaries
  - Right click on **This PC** in the explorer and then click **Properties**



- Click `Advanced system settings` in the dialogue that pops up

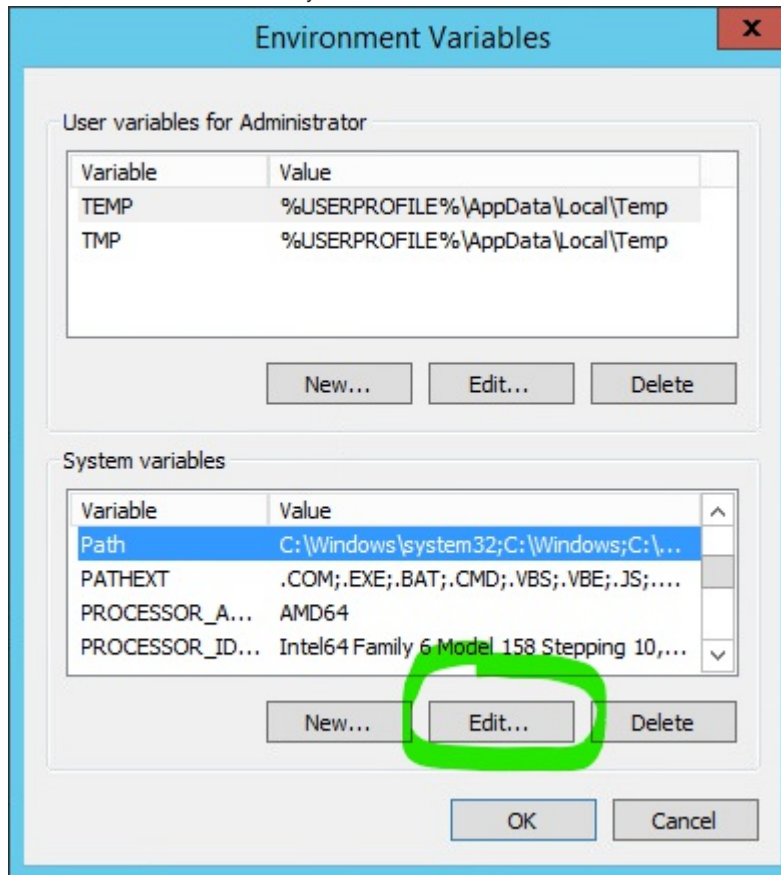


- Click `Environment Variables...` in the dialogue that pops up

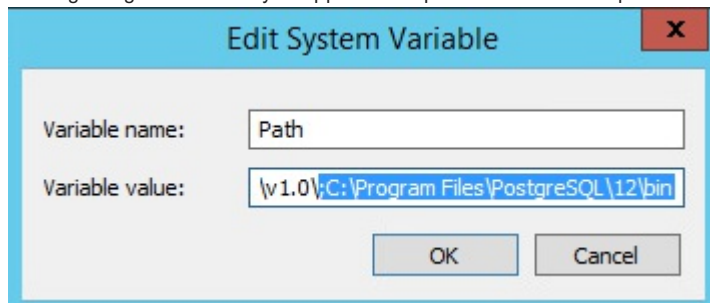




- Find the `PATH` variable in the 'System variables' list and click `Edit...`



- Append the path to the PostgreSQL binaries location. **NOTE** You must make sure to add a semi-colon between the existing string and the one you append. It separates the different paths in the variable.



- Click `OK` and close all dialogues

6. Done

## Links

- [Official Timescale installation instructions \(https://docs.timescale.com/latest/getting-started/installation/windows/installation-windows\)](https://docs.timescale.com/latest/getting-started/installation/windows/installation-windows)
- [Timescale installation binaries \(PostgreSQL 12 64-bit\) \(https://timescalerelases.blob.core.windows.net/windows/timescaledb-postgresql-12\\_2.0.0-windows-amd64.zip\)](https://timescalerelases.blob.core.windows.net/windows/timescaledb-postgresql-12_2.0.0-windows-amd64.zip)