

## PostgreSQL database Installation on Windows 11 Guide

### 1. Download PostgreSQL Installer

Visit the official PostgreSQL Windows download page:

<https://www.postgresql.org/download/windows/>

Click “Download the installer,” which will redirect to the EnterpriseDB site.

<https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>

Download the latest .exe installer for Windows.

### 2. Run the Installer

Double-click the downloaded installer file (postgresql-XX.X-X-windows-x64.exe).

Click “Next” to proceed through the welcome screen.

### 3. Configure Installation Settings

Choose your preferred installation directory, or accept the default location, then click “Next.”

Select components to install (leave default selections: PostgreSQL Server, pgAdmin 4, Command Line Tools).

Set a password for the PostgreSQL superuser (postgres). Remember this password for future use.

Choose a port number for the server (default is 5432) and ensure it not used by another application.

Set the server locale, typically leave this at default for your region.

### 4. Complete Installation

Review your configuration summary and click “Next,” then click “Install.”

Wait for the installation to finish. This process installs PostgreSQL as a Windows service.

#### 5. pgAdmin Setup and Access

After installation, pgAdmin 4 will also be available. This graphical tool helps manage your PostgreSQL databases visually.

On the first launch, set a master password for pgAdmin.

Connect to your database server using:

Username: postgres

Password: (the one you set during installation)

#### 6. Post-Installation – First Steps

Optionally, add PostgreSQL's "bin" directory to the Windows PATH environment variable to use CLI tools (psql, pg\_dump) from any terminal.

Start pgAdmin 4 or the SQL Shell (psql) to create databases and test your setup.

This process ensures the latest stable PostgreSQL version is correctly installed and running on Windows 11, with both command-line and graphical management tools included.

#### **Youtube video for installation demonstration:**

<https://www.youtube.com/watch?v=GpqJzWCcQXY>