**Installing PostgreSQL on Windows for MIMIC-III**

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# Local PostgreSQL database

From “Installing MIMIC-III in a local Postgres database on Windows”:  
<https://mimic.physionet.org/tutorials/install-mimic-locally-windows/>

***Install PostgreSQL***

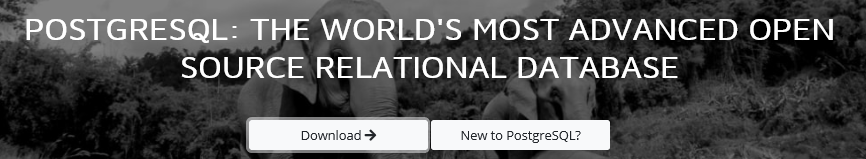
*Install PostgreSQL using the installer linked to here:* [*http://www.postgresql.org/download/windows/*](http://www.postgresql.org/download/windows/)

*Run through the entire install process. Keeping the defaults will work, but make note of your postgres password, as we will need this later to login to the database system.*

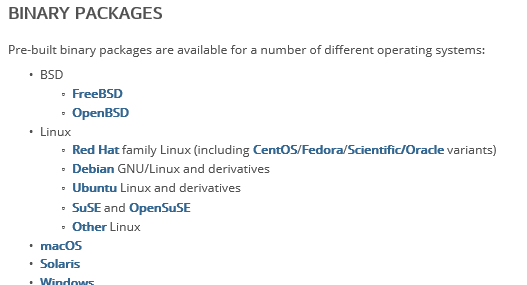
# PostgreSQL Download

## PostgreSQL web site

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



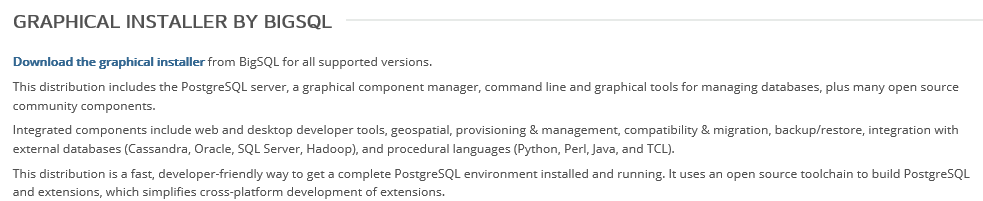
Download



Windows

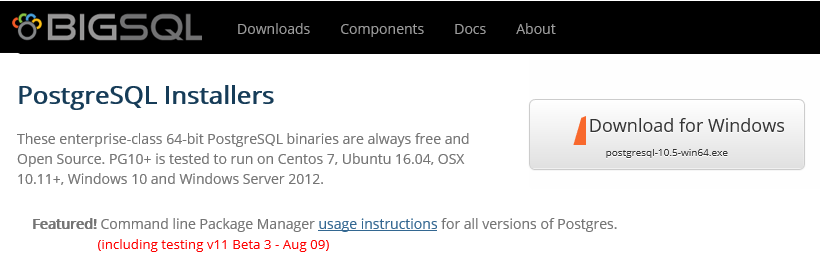
## Download page

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



## BigSQL graphical installer

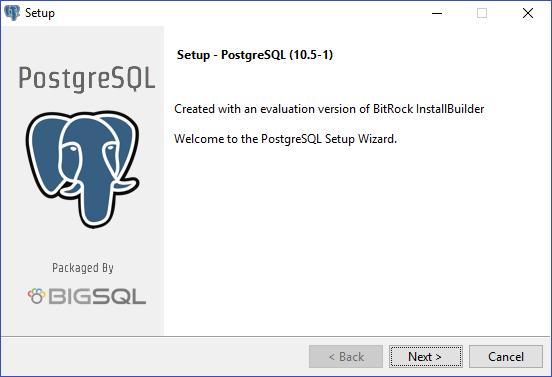
<https://www.openscg.com/bigsql/postgresql/installers.jsp/>



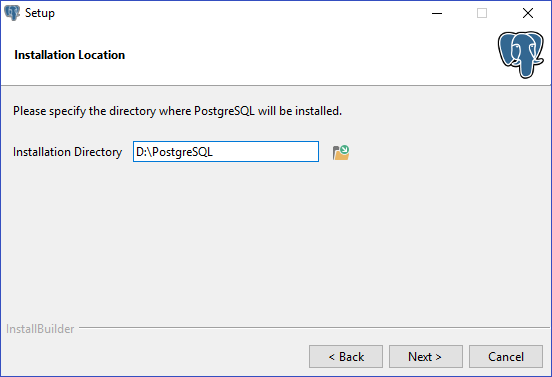
Download for Windows



# Installation

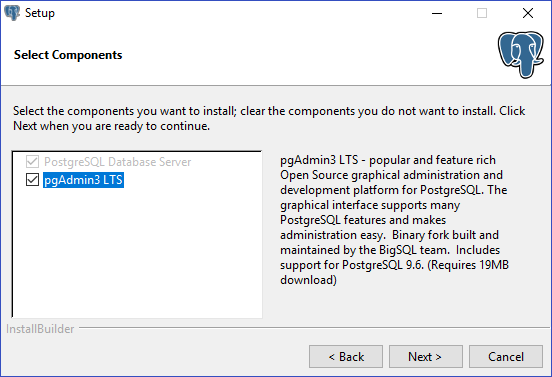


Next

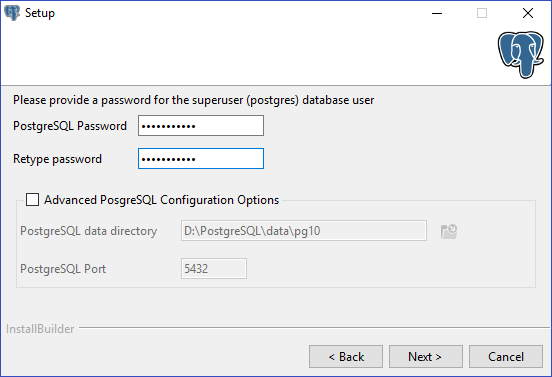


Change from C:\PostgreSQL to D:\PostgreSQL

Next

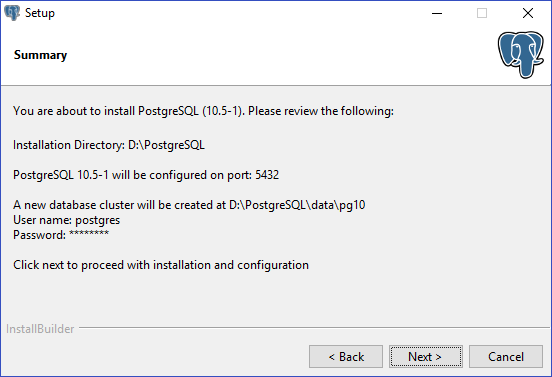


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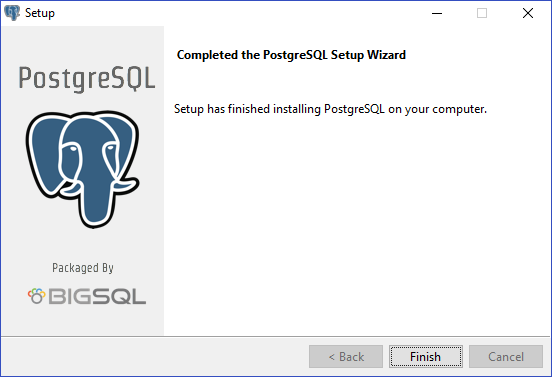


Default user name is postgres  
YourPassword

Next



Next



## Create additional user

Using psql

C:\Users\efg\Desktop\MIMIC-III\postgreSQL

runpsql.bat

cmd.exe /c chcp 1252

D:\PostgreSQL\pg10\bin\psql.exe -U postgres -p 5432

\c mimic;

set search\_path to mimiciii;

<https://dba.stackexchange.com/questions/57723/superuser-is-not-permitted-to-login>

create role efg with superuser password 'NotSoSecure';

alter role efg with login;

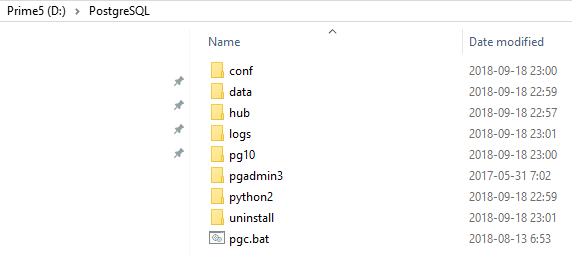
mimic=# create role efg with superuser password 'NotSoSecure';

CREATE ROLE

mimic=# alter role efg with login;

ALTER ROLE

## Installation Directory



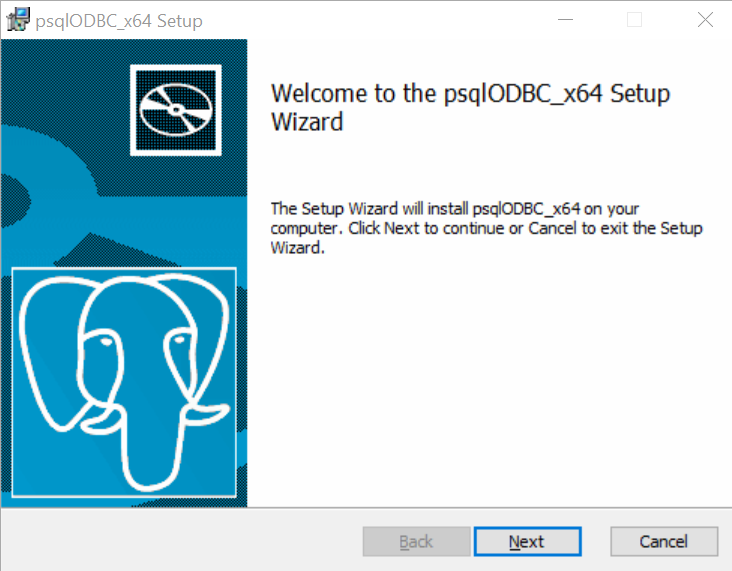
# Postgres ODBC Driver

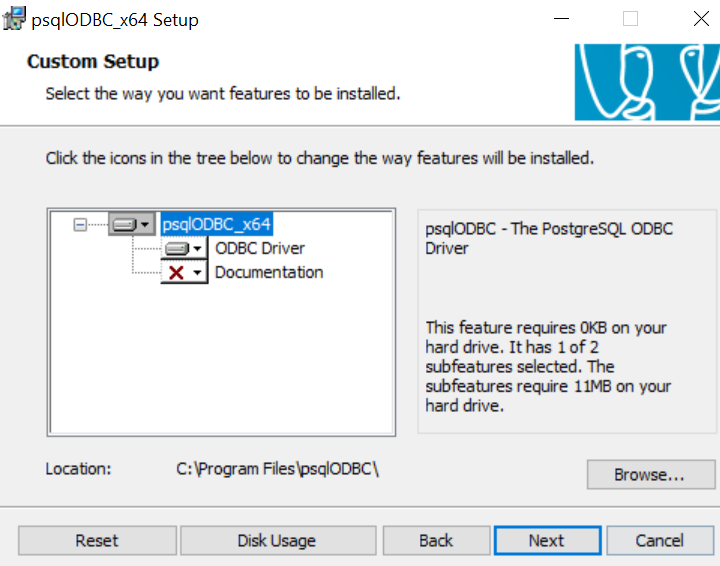
<https://www.postgresql.org/ftp/odbc/versions/msi/>

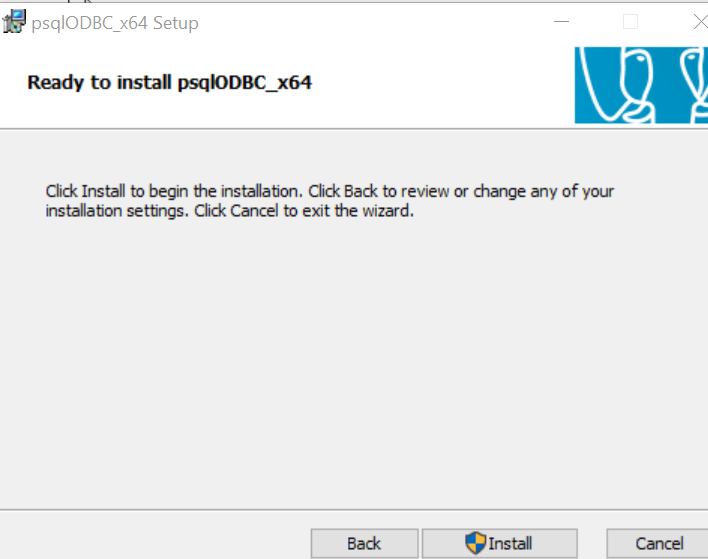


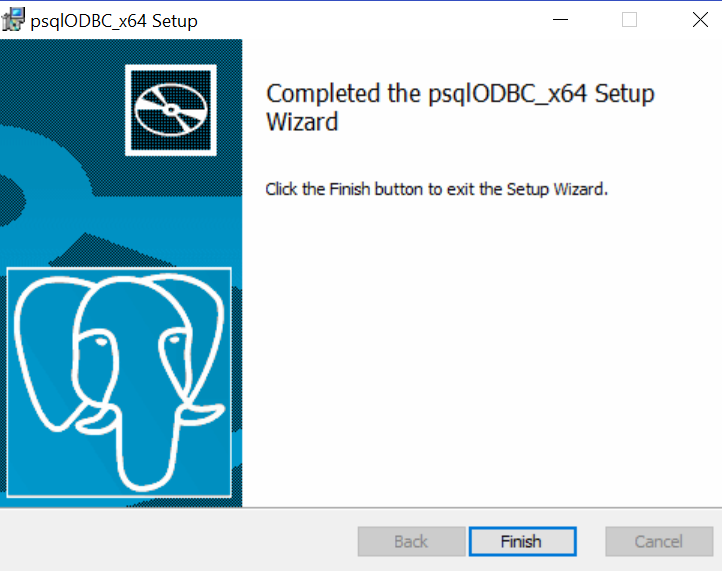
Download to D:\PostgreSQL\ODBC







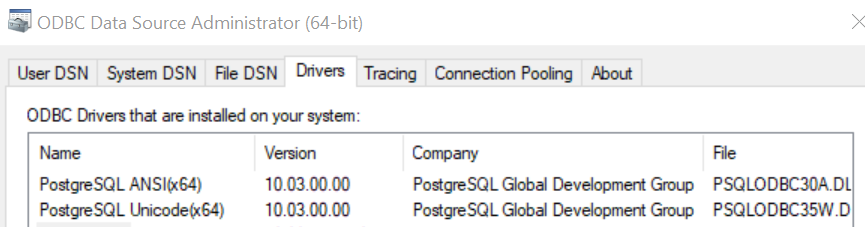


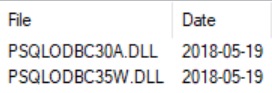


Windows | Settings | search for ODBC



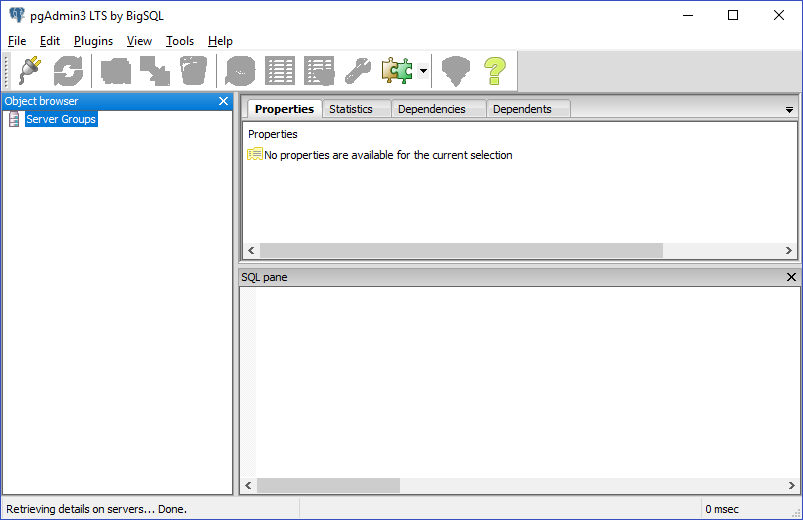
Drivers tab





# pgAdmin3





How to use this?

# R Setup

## Install RPostgreSQL package

<https://cran.r-project.org/web/packages/RPostgreSQL/index.html>

## Create .Renviron file for Mimic database user and password

Start R or RStudio and enter the command in a console: getwd()

You should see something like: **C:/Users/efg/Documents**

Create a file **.Renviron** in this directory. Windows will fight you in creating this filename. The easiest way to get this name is to open a command window and rename an existing .txt file.

Add two lines to the .Renviron file with the PostgreSQL user and password defined when the database was created:

MIMIC\_User = YourUser  
MIMIC\_Password = YourPassword

In a new R session verify **Sys.getenv("MIMIC\_User")** and **Sys.getenv("MIMIC\_User")** return the correct values.

In RStudio use a code chunk like this to create a database connection:

```{r}

library(DBI)

library(RPostgreSQL)

MimicDB <- dbConnect(RPostgreSQL::PostgreSQL(),

host = "localhost",

dbname = "mimic",

user = Sys.getenv("MIMIC\_User"),

password = Sys.getenv("MIMIC\_Password"))

```