# Setup on ODBC Data Source on application Client

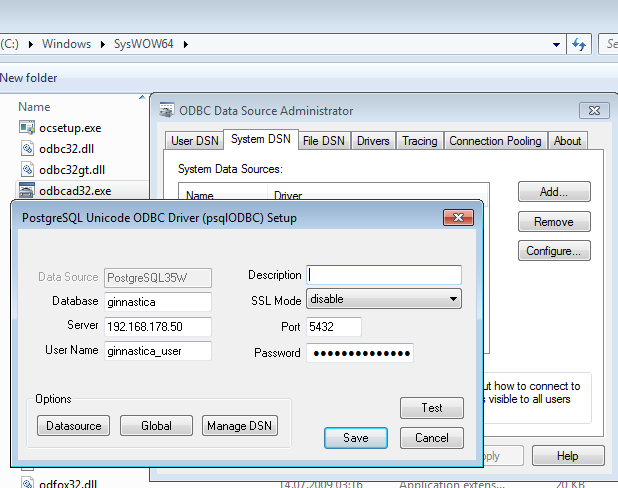
## Windows

Install the PostreSQL ODBC via psqlodbc\_x86.msi (in MemorialGander\setup\)

Then start the C:\Windows\SysWOW64\odbcad32.exe (ODBC Data Source Admin)

In “System DNS” add a new Connection as shown below with the data source name:

* “PostgreSQL35W” for the R/W user “ginnastica\_user” 🡪 password “marUFG$298”
* “PostgreSQL35R” for the Read Only user “ginnastica\_readonly” 🡪 password “nafPL4$”



The client applicaton will the use only the data source “PostgreSQL35W” as a DB. User/IP/Port are already defined here.

## OS X

#### From: http://macappstore.org/psqlodbc/

* **App name**: psqlodbc
* **App description**: Official PostgreSQL ODBC driver
* **App website**: <https://odbc.postgresql.org>

#### Install the App

1. Press Command+Space and type ***Terminal*** and press ***enter/return*** key.
2. Run in Terminal app:  
   ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)" < /dev/null 2> /dev/null  
   and press ***enter/return*** key. Wait for the command to finish.
3. Run:  
   brew install psqlodbc

Done! You can now use psqlodbc.

# Setup on ODBC Data Source on Server

Add or edit the following line in your postgresql.conf :

**listen\_addresses = '\*'**

Add the following line as the first line of pg\_hba.conf. It allows access to all databases for all users with an encrypted password:

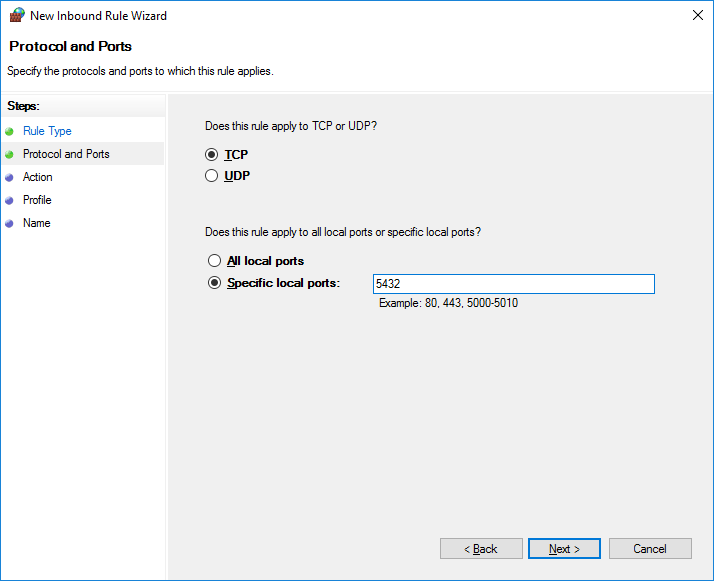
# TYPE DATABASE USER CIDR-ADDRESS METHOD

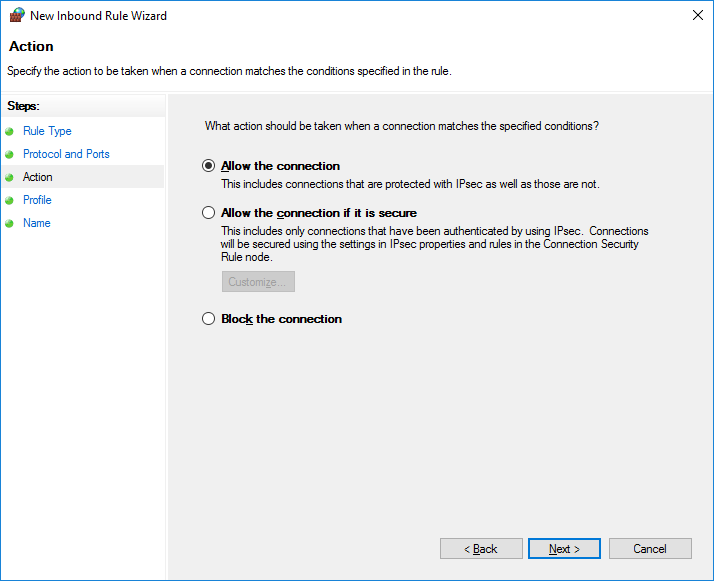
**host all all 0.0.0.0/0 md5**

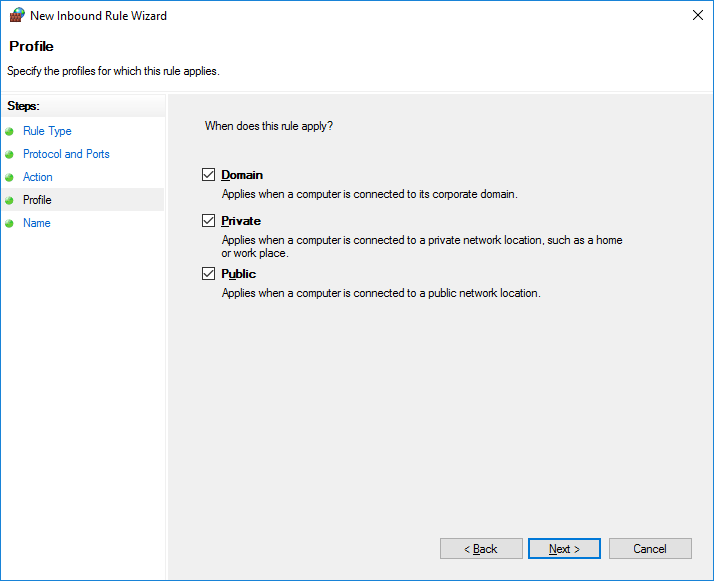
The restart the Postres Service in order to take the changes

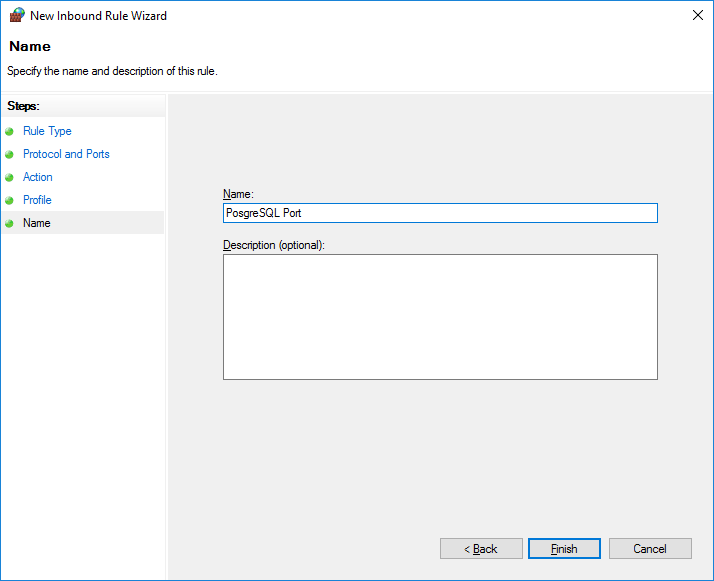
## Firewall

Add a new rule to allow the port 5432

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# Flags Images

The flag images are in SVG format have been taken by copying the content of a GitHub repository.

Location:

https://github.com/lipis/flag-icon-css.git

The flags are linked by the iso2 naming, for example for Switzerland it becomes ch.svg

# Postgres Database

## Add new User

From psql console login as postgres (root) user, then:

CREATE USER ginnastica\_readonly WITH ENCRYPTED PASSWORD 'blablablapasswordhere';

GRANT CONNECT ON DATABASE ginnastica TO ginnastica \_readonly;

GRANT USAGE ON SCHEMA public TO ginnastica \_readonly;

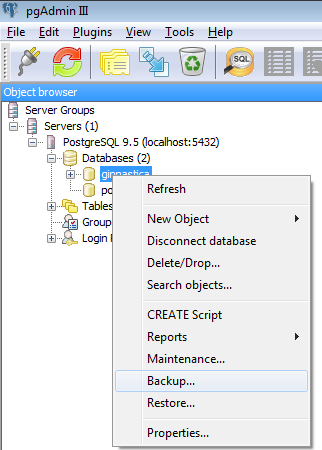
GRANT SELECT ON ALL SEQUENCES IN SCHEMA public TO ginnastica \_readonly;

GRANT SELECT ON ALL TABLES IN SCHEMA public to ginnastica \_readonly;

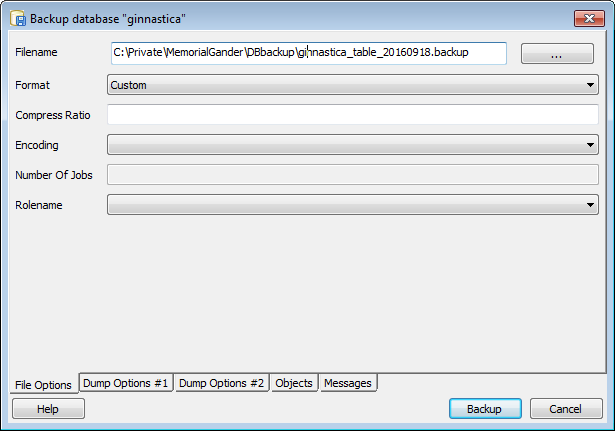
ALTER DEFAULT PRIVILEGES IN SCHEMA public GRANT SELECT ON TABLES TO ginnastica \_readonly;

## Save backup

In order to save the current database open pgAdminIII and click on the ginnastica database with the right-button and select “Backup..”

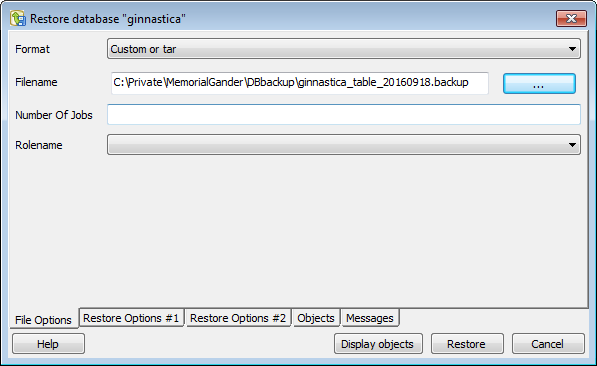


Create a new file with format “Custom”



## Restore backup

Same as for doing a Backup, right-click on the database and select “Restore..”



# Deploying the Application

## Windows

On windows open the Qt Terminal and go to the release folder where the executable is located.

* cd C:\Private\MemorialGander\build-MGShowRanking-Desktop\_Qt\_5\_7\_0\_MinGW\_32bit-Release\release

Call

* windeployqt –-quick --qmldir "..\..\MGShowRanking\src\qml ..\..\MGCommon\qml-styles" .