

## INSTALLING POSTGRESQL 9.4 ON WINDOWS SERVER 2008 R2

### INSTALLATION TIPS

- Throughout these steps, avoid using Wordpad to open or edit files. Notepad or Textpad is recommended to ensure accurate installation results. Do NOT use Word.
- The order of operations in the following installation steps is paramount.
- Information that is specific to you (and may need to be edited) is written in *blue italics in <>*.
- It is recommended to use all defaults, during the initial installation. However, to ensure security, once you are in operation, it is recommended to change all defaults.

### PRELIMINARY STEPS

1. **Install** JRE 8.1.0\_65
2. **Install** PowerLOG Enterprise

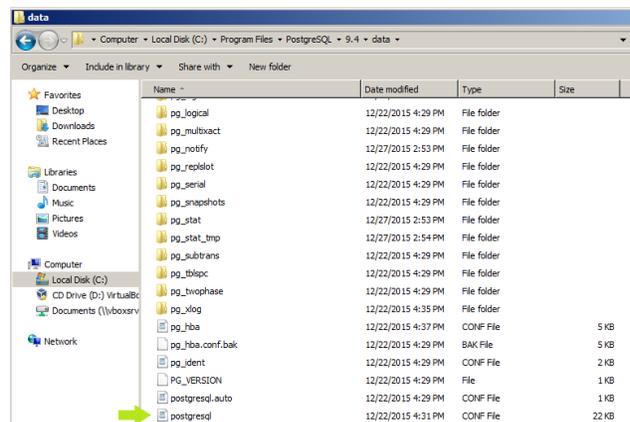
### INSTALLING POSTGRESQL 9.4 STEPS

1. **Install** PostgreSQL 9.4 to the directory/file that you want to run the program from (*e.g., I extracted to C:\Program Files*) (*i.e., If you installed PostgreSQL to a different director/file than C:\Program Files, navigate accordingly in the subsequent steps*)

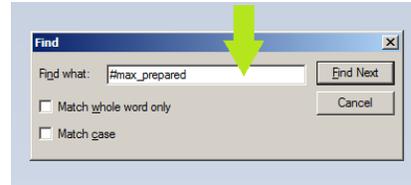
- **Accept** all defaults
- **Add** a password for the admin login when prompted
- **Uncheck** Stack Builder
- **Click** Finish

2. **Using** the File Explorer to navigate to:  
C:\Program Files\PostgreSQL\9.4\data

- **Right-click** on postgresql.conf
- **Edit/open** in Notepad



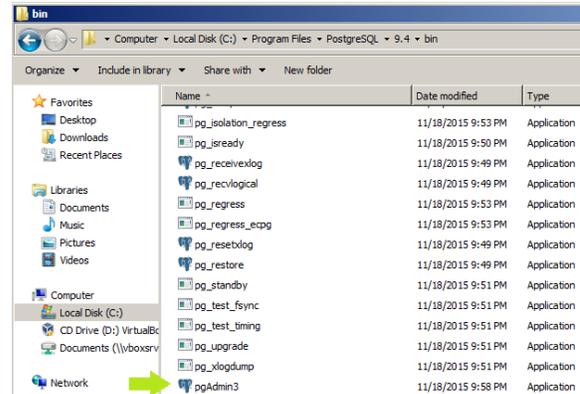
- Within the document, **search** for the line: #max\_prepared\_transactions
- **Uncomment** the line by deleting the following: #
- **Change 0 to 12**
- **Save and close** the file



```
#huge_pages = try # or
# temp_buffers = 8MB # mi
# max_prepared_transactions = 0 # ze
# Note: Increasing max_prepared_tra
# shared memory
```

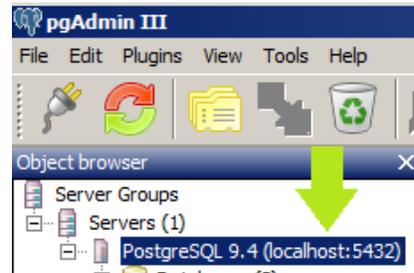
3. **Navigate to:** C:\Program Files\PostgreSQL\9.4\bin

- **Double-click** on pgAdmin3 to open



4. Once inside pgAdmin3 (aka pgAdmin III), **double-click** on PostgreSQL 9.x(localhost:5432)

- **Type** the password you gave PostgreSQL during step 1
- **Press** the ENTER key

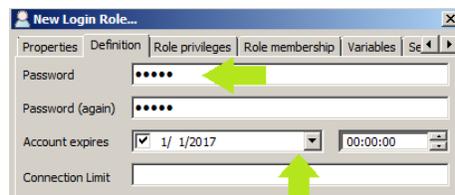
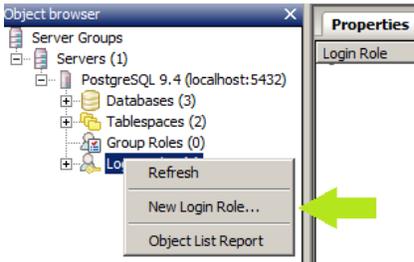


5. **Right-click** on Login Roles and **select** New Login Role

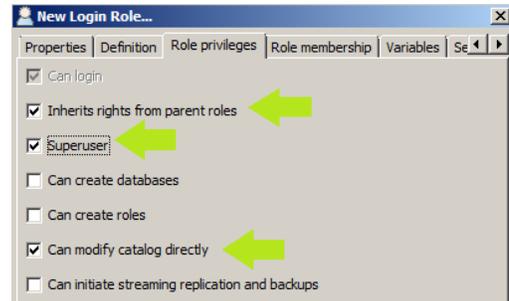
- **Name** the new Login Role: pljdatauser



- **Click** on the Definitions tab
- **Create** a password AND **select** an expiration date\*  
(\*e.g., I used the password admin and January 1, 2017)



- Click on the Role Privileges tab
- Check the following: Inherits rights; Superuser; Can modify catalog directly
- Click OK



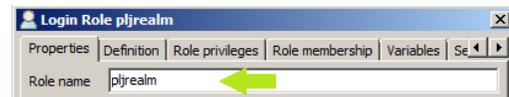
6. Right-click on Login Roles and select New Login Role, again

- Name the new Login Role: pljstaginguser
- Click OK



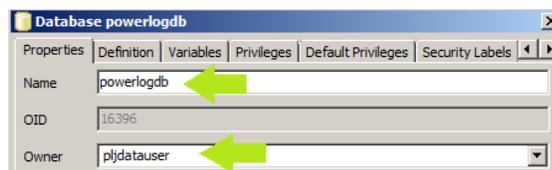
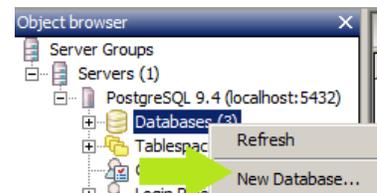
7. Right-click on Login Roles and select New Login Role, again

- Name the new Login Role: pljrealm
- Click OK



8. Right-click on Databases and select New Database

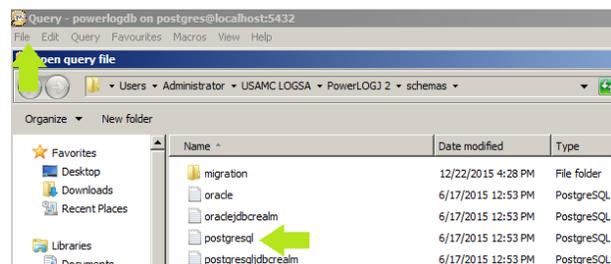
- Name the new Database: powerlogdb
- List the Owner as: pljdatauser



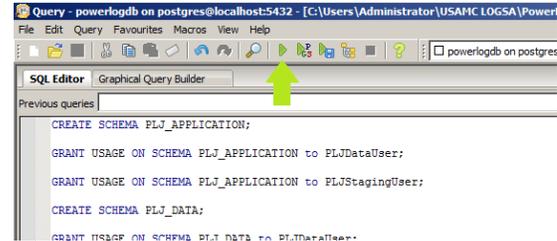
- Click OK

9. Select the Database powerlogdb and click the SQL button

- Use the Open File feature with the SQL window and navigate to: C:\Users\*<User Name>*\USAMC LOGSA\PowerLOGJ2\schemas
- Double-click on postgresql.sql

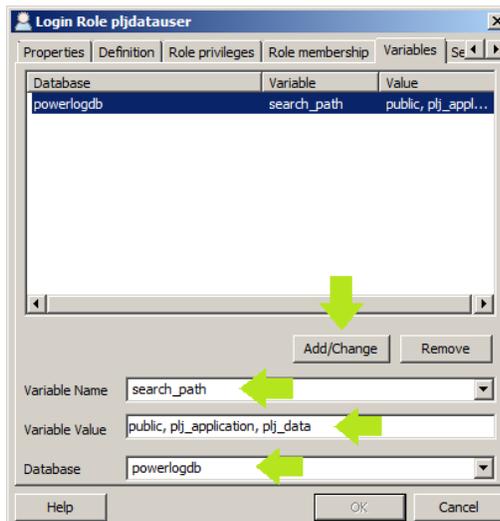
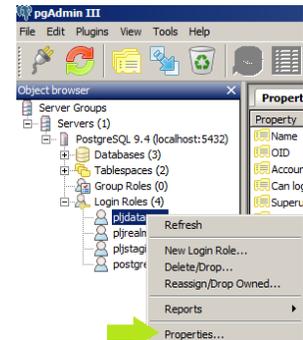


- Click the Play button to run the script
- Once the script has finished running, close the window and do NOT save the changes



#### 10. Right-click on pljdatauser under Login Roles and select Properties

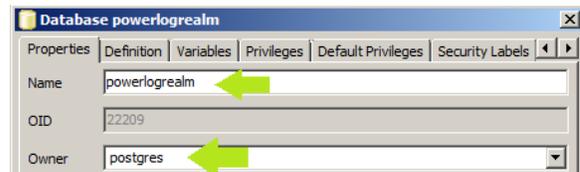
- Click on the Variables tab
- Select the following from the Variables drop-down menu: search\_path
- In Variable Value, **type**: public, plj\_application, plj\_data
- Select the following from the Database drop-down menu: powerlogdb
- Click Add/Change



- Click OK

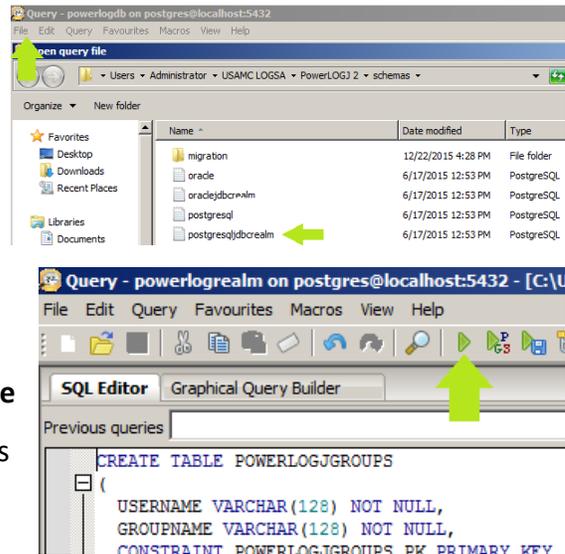
#### 11. Right-click on Databases and select New Database

- Name the new Database: powerlogrealm
- List the Owner as: postgres
- Click OK



12. Select the Database powerlogrealm and click the SQL button

- Use the Open File feature with the SQL window and navigate to:  
C:\Users\*<User Name>*\USAMC  
LOGSA\PowerLOGJ2\schemas
- Double-click on postgresqljdbcrealm.sql
- Click the Play button to run the script
- Once the script has finished running, close the window and do NOT save the changes

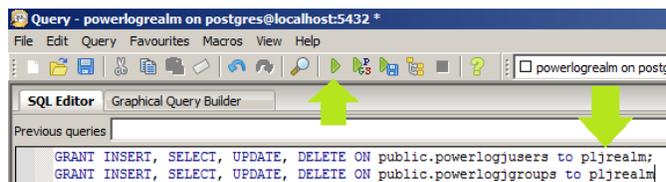


13. Select the powerlogrealm and click the SQL button

- Clear the data in the Query window, if necessary, and type the following:

```
GRANT INSERT, SELECT, UPDATE, DELETE ON public.powerlogusers to pljrealm;
GRANT INSERT, SELECT, UPDATE, DELETE ON public.powerlogjgroups to pljrealm
```

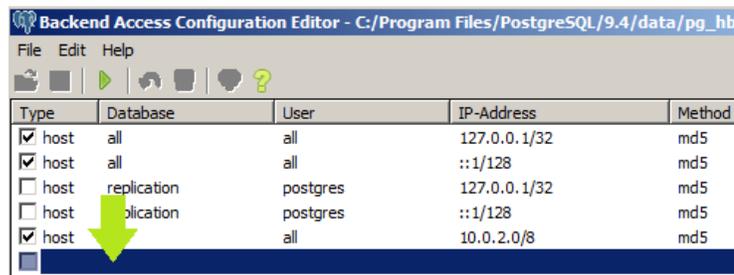
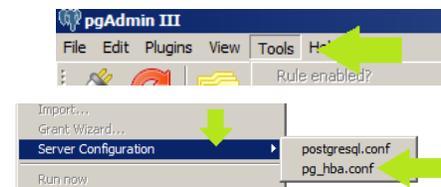
- Click the Play button to run the script



- Once the script has finished running, close the window and do NOT save the changes

14. From the pgAdmin3 window, click on Tools/Server Configuration/pg\_hba.conf

- Double-click the blank option at the bottom of the list



- **Check** Enabled
- **Select** the following from the Type drop-down: Host
- **Select** the following from the Database drop-down: all
- **Select** the following from the User drop-down: all
- **Type** the following in the IP Address field: *<select the range you will be using if your machine for example has an IP of 10.0.0.15 use 10.0.0.0/16 (you may want to consult your IT dept. for this input)>*
- **Select** the following from the Method drop-down: md5
- **Click** OK
- **Save** and **close** the Configuration Editor

