

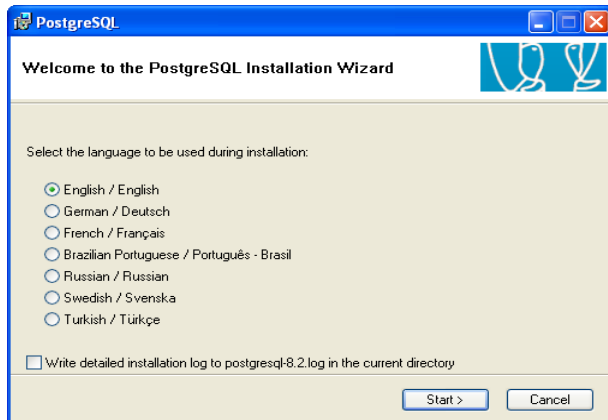
## Configure the database

deltaMasses connects to the deltaMassBase database. deltaMassBase runs on the world's most advanced open source databasesystem postgresQL. This document describes the installation of postgresQL and the configuration of deltaMassBase.

Typical time do get this done: about 10 minutes<sup>1</sup>.

### Start: Installing postgresQL ( [www.postgresql.org](http://www.postgresql.org) )

1. Print this document
2. Log in with an administrative account
3. using explorer, browse to C:\detectorvision\deltaMasses\postgresql\ <sup>2</sup>
4. Right-click onto postgresql-8.2.msi
5. Select "Run as Administrator"
6. Click OK on the dialog that appears

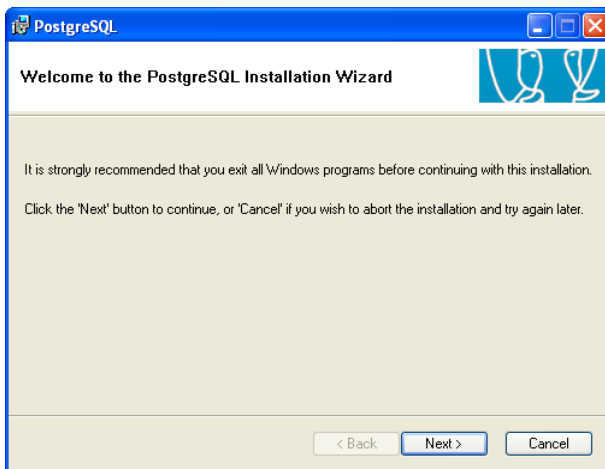


Start

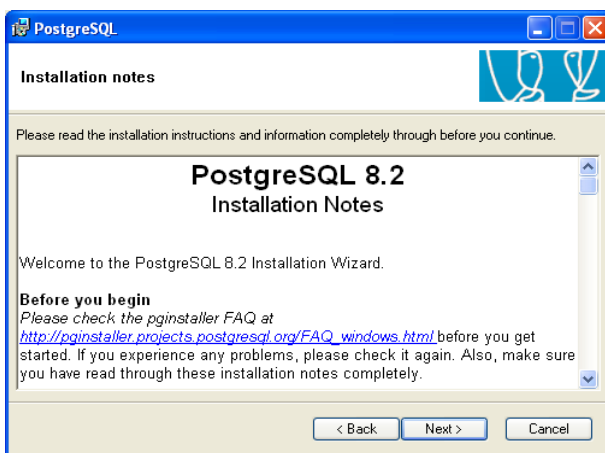
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<sup>1</sup> You may want to contact your system administrator.

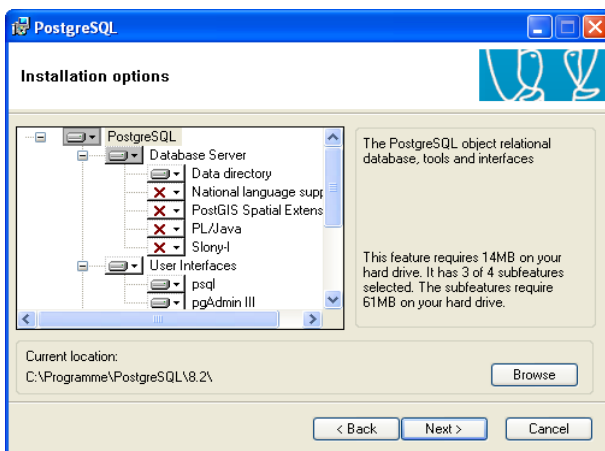
<sup>2</sup> You may also download postgresQL from <http://www.postgresql.org/download/>



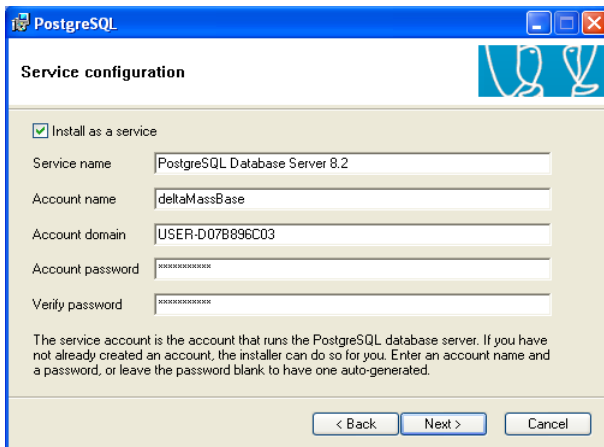
Next



Next



Next



**Service configuration**

☒ Install as a service

Service name: PostgreSQL Database Server 8.2

Account name: deltaMassBase

Account domain: USER-D07B896C03

Account password: [REDACTED]

Verify password: [REDACTED]

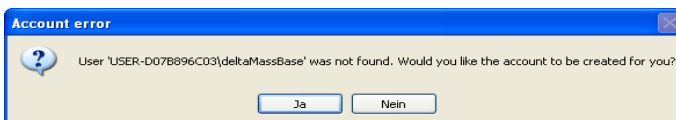
The service account is the account that runs the PostgreSQL database server. If you have not already created an account, the installer can do so for you. Enter an account name and a password, or leave the password blank to have one auto-generated.

< Back   Next >   Cancel

You might want to contact your system administrator at this point.

Do not change the Account domain (unless you are system administrator and understand exactly what you do)

You might want to set the user name to your personal user name, same for the password.

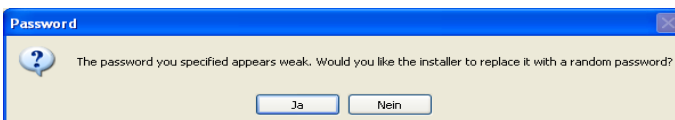


**Account error**

User 'USER-D07B896C03\deltaMassBase' was not found. Would you like the account to be created for you?

Ja   Nein

If you get this dialogue, click „yes“

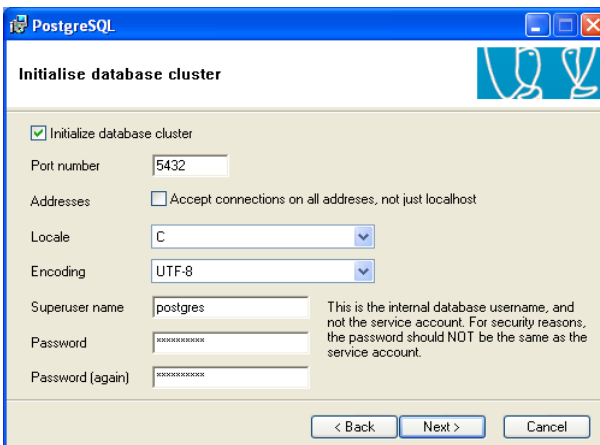


**Password**

The password you specified appears weak. Would you like the installer to replace it with a random password?

Ja   Nein

If you get this dialogue, click „No“.



**Initialise database cluster**

☒ Initialize database cluster

Port number: 5432

Addresses: ☐ Accept connections on all addresses, not just localhost

Locale: C

Encoding: UTF-8

Superuser name: postgres

Password: [REDACTED]

Password (again): [REDACTED]

This is the internal database username, and not the service account. For security reasons, the password should NOT be the same as the service account.

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**IMPORTANT:** Make sure to set the encoding to **UTF-8**

Standard password used: **4.3.jjMM**

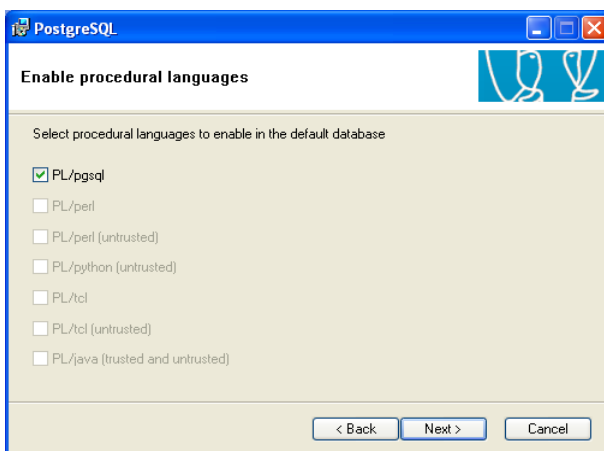
**We strongly recommend NOT to check the option “Accept connections on all addresses”.**

## Advanced setup (if you want to spend more time installing ...)

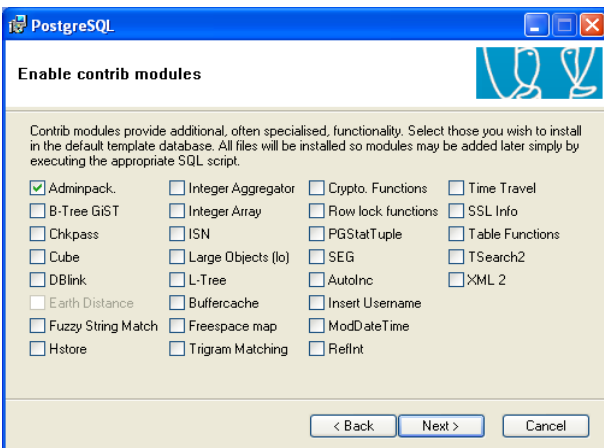
You may change the Port number, superuser name, password, this can be adjusted in `detaMasses`. Leaving it like above is the "simple road". If you choose the more advanced road, you can configure `detaMasses` in the file `C:\detectorvision\detaMasses\config\deltaMassBase.config.txt`: just change

```
DELTAMASSBASE_NAME= deltaMassBase
DELTAMASSBASE_USER= postgres
DELTAMASSBASE_PASSWORD= 4.3.jjMM
DELTAMASSBASE_PORT= 5432
DELTAMASSBASE_HOST= localhost
```

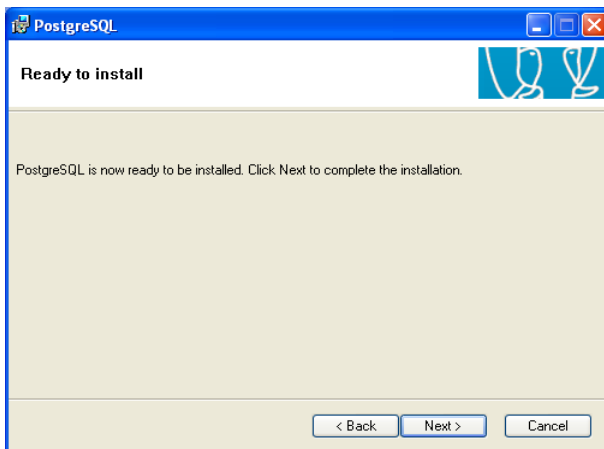
`DELTAMASSBASE_NAME` is the name of the database which we will create below. You might change this name as well, if you want to. By default, `DELTAMASSBASE_NAME` is `deltaMassBase`  
(end of advanced setup)



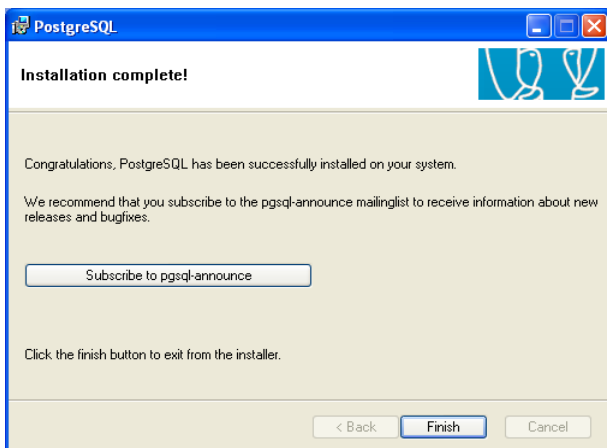
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Next



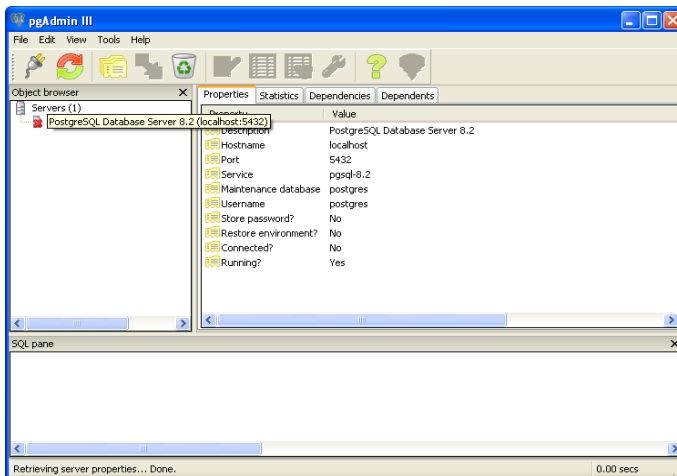
Finish

-> Finished with installing postgresQL.  
Now we have to create the database itself, see below.

## Create the database “deltaMassBase”

Start the postgresQL admin tool, pgAdmin III:

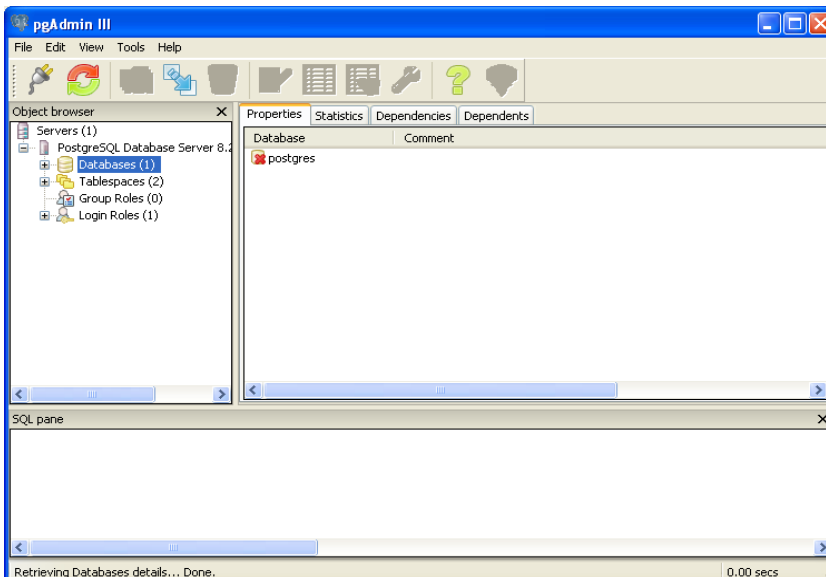
Start->Programs->postgresql 8.2->pgAdmin III



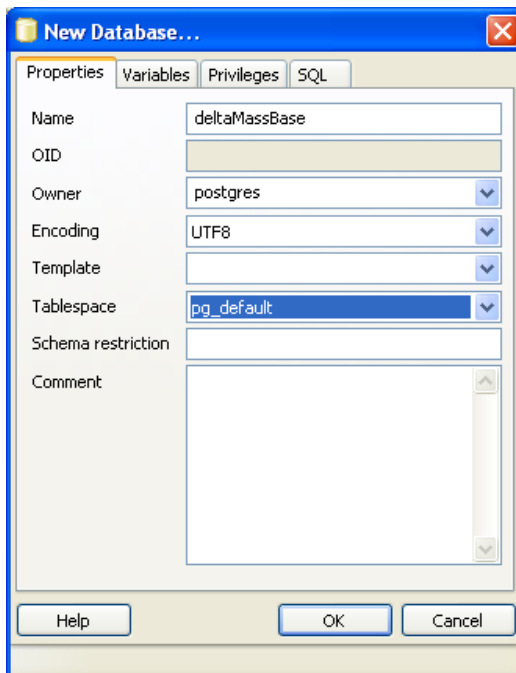
double-click onto PostgreSQL Database Server



enter the password, 4.3.jjMM (or whatever your password is). You might want to check the “store password” option.



Right-click onto “Databases(1)” and choose “New Database...” Make sure to choose UTF-8 as database encoding.



**New Database...**

Properties Variables Privileges SQL

Name:

OID:

Owner:

Encoding:

Template:

Tablespace:

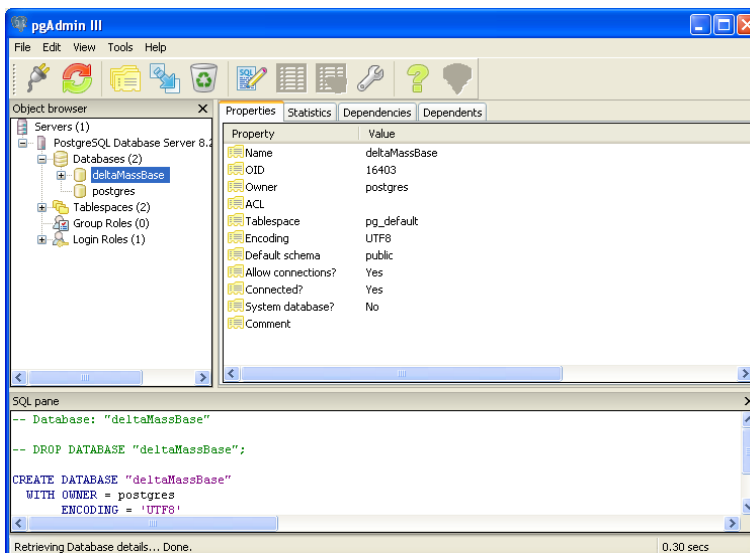
Schema restriction:

Comment:

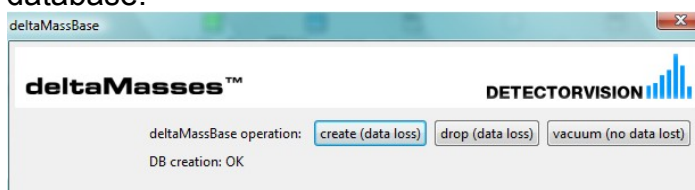
Buttons: Help OK Cancel

Make sure your settings are as above, and click OK.

You can now see the deltaMassBase at



Now, run deltaMasses, click onto "deltaMassBase" and then „create“ to create the database:



**Congratulations, deltaMassBase has been configured**

-----end-of-document-----