
Chapter 1. Installation Instructions

Tested for Windows Vista 32 Bit with EnterpriseDB Version 9.1 and WebSense Version 1.0

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Note:

Please read the short introduction to understand the whole installation process.

1. Introduction

WebSense requires the installation of:

- a local web server, which you have to set up on your computer. It enables WebSense to run in your web browser without being connected to the Internet. You connect to the program on the localhost, which is similar to an IP address specifically for your computer.

WebSense uses the Apache web server.

- a data management system to manage your sensor data. You can use it to insert data into the database or to delete it. It is provided by the PostgreSQL system.
- a web browser (e.g. Firefox) to display WebSense on the localhost.

Thus, the installation of WebSense requires two big steps:

- **Step 1:** Installation of EnterpriseDB with Stackbuilder that contains both PostgreSQL and Apache in one package.
- **Step 2:** Installation of WebSense

Step 1 has overall three installation steps:

1. Installing PostgreSQL
2. Installing EnterpriseDB for Apache/Php
3. Installing PhppgAdmin, a program that helps you manage your data.

Step 2 also contains three installation steps:

1. Installing WebSense

2. Creating a database for WebSense
3. Inserting data into this database

Please note that the installation process might take some time. The following instructions will guide you through the whole process.

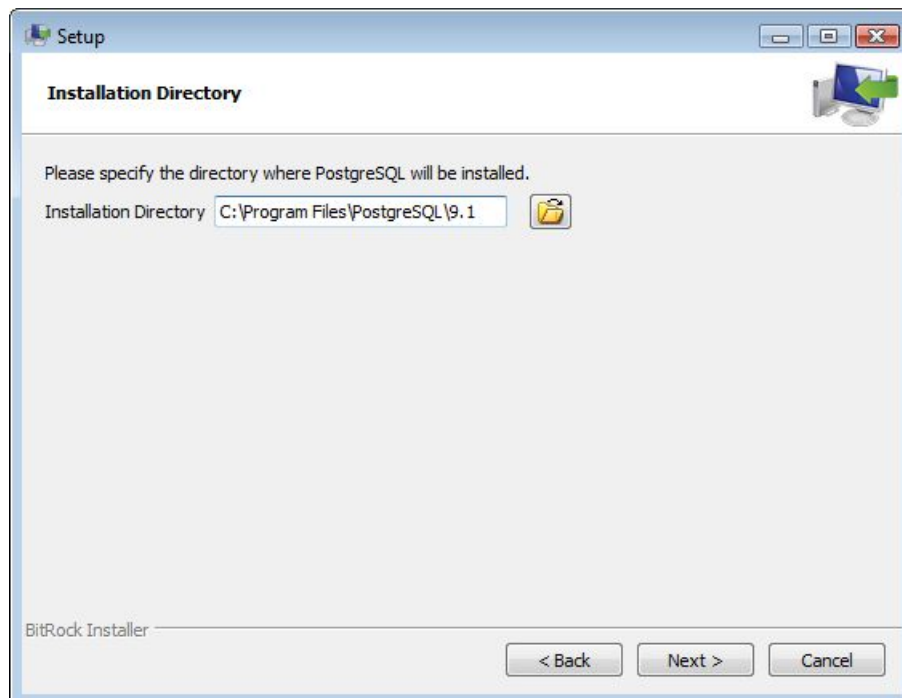
2. Step 1: Installation of EnterpriseDB with Stackbuilder

2.1. Installing PostgreSQL

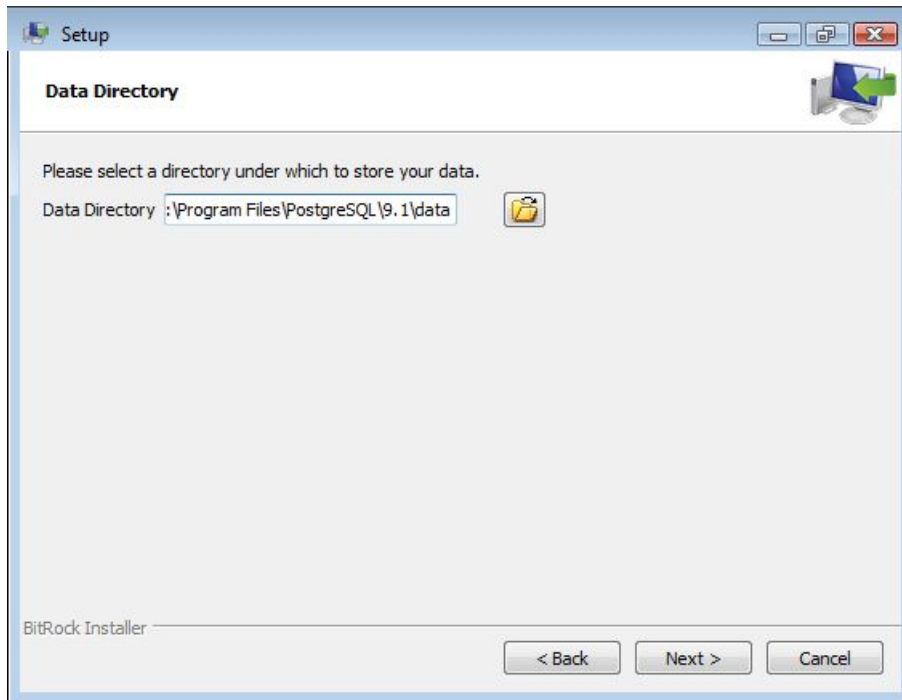
- Got to <http://www.enterprisedb.com/downloads/postgres-postgresql-downloads> and download Version 9.1 of EnterpriseDB.

Choose under "PostgreSQL 9.1" the right version for your operating system.

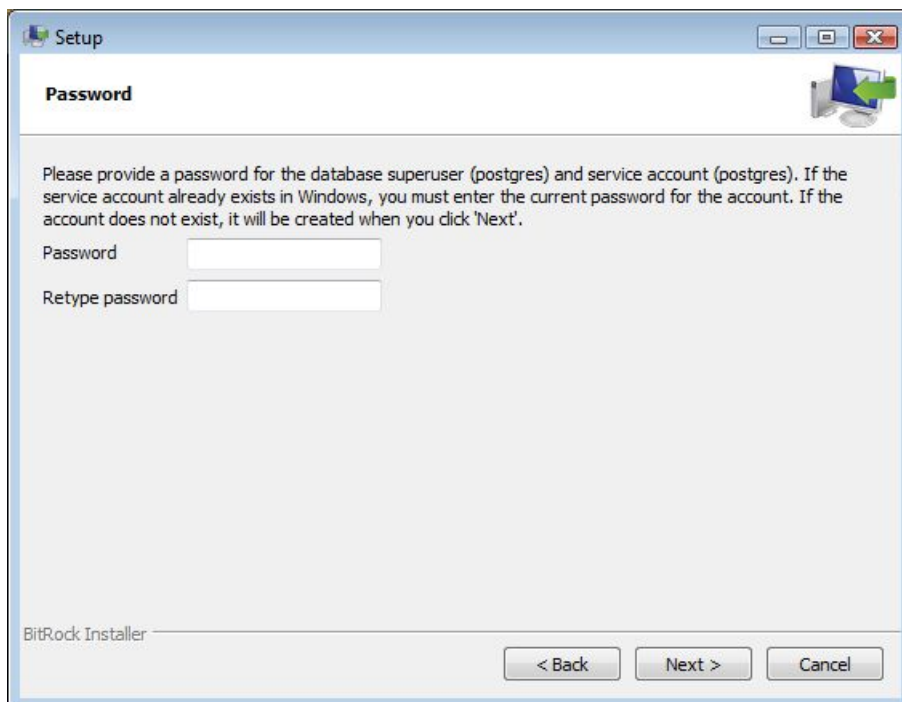
- Double-click on the downloaded .exe file. A setup starts.
- It is recommended to use the default installation path to prevent any problems:



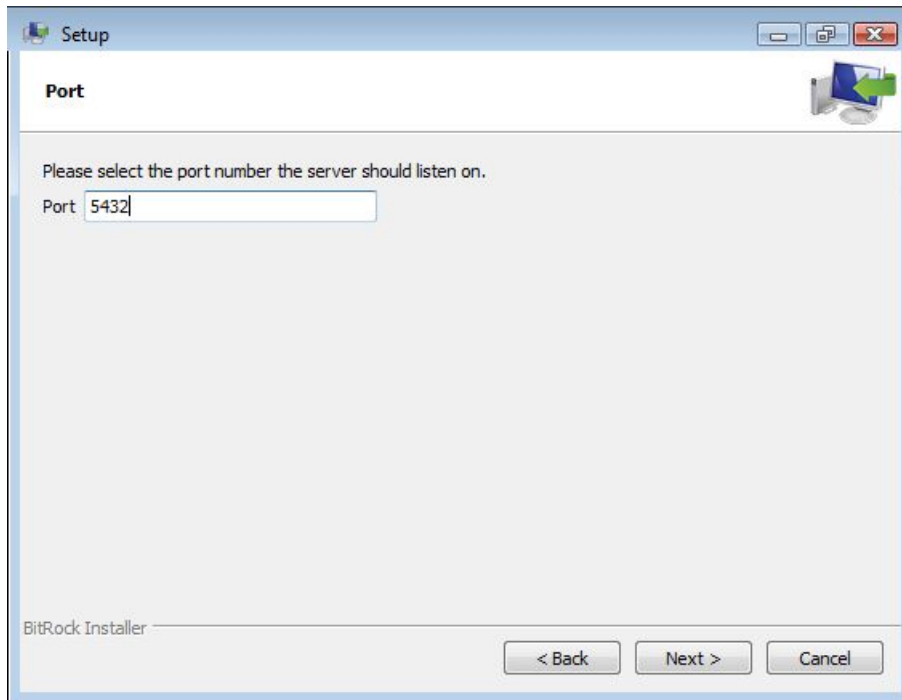
- Select now the directory into which you want to save your data. It is again recommended to use the default installation path:



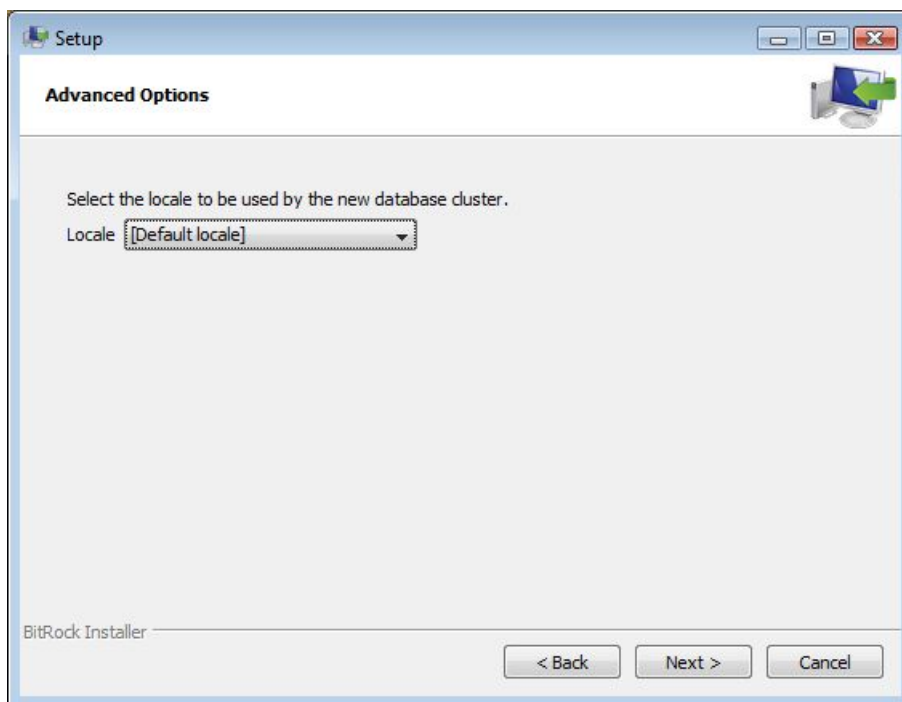
- Click on "Next >" and you see the following window:



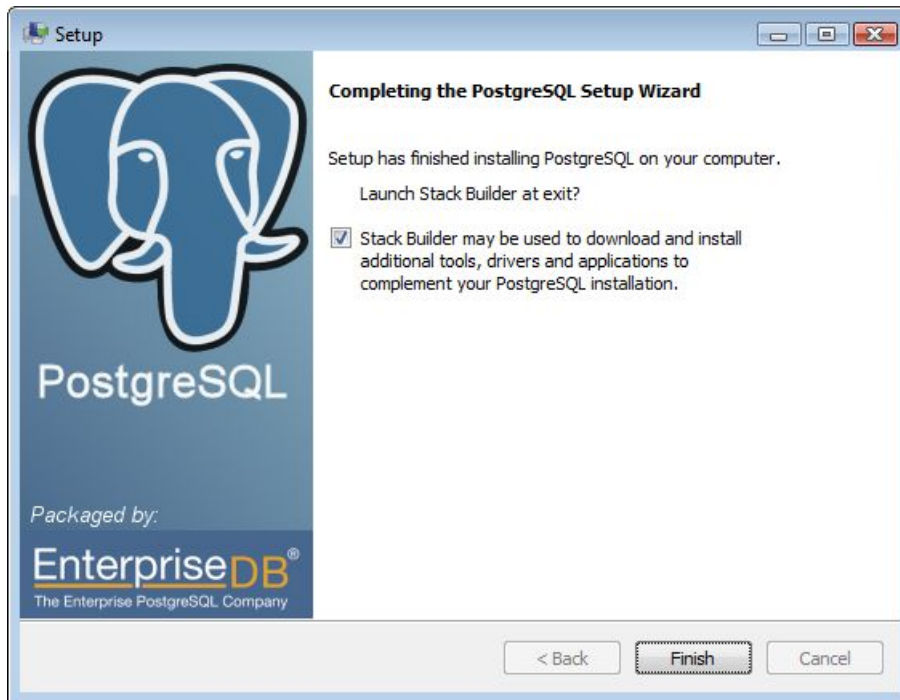
- Enter "testuser" (without quotes) as password for the superuser (postgres) and click on "Next >". The installation starts.
- The setup asks for the port that is needed to communicate with the server. Make sure that you see 5432 as port and click on "Next >":



- Now, set the language for the database cluster. Ensure that "[Default locale]" is selected and click on "Next >":



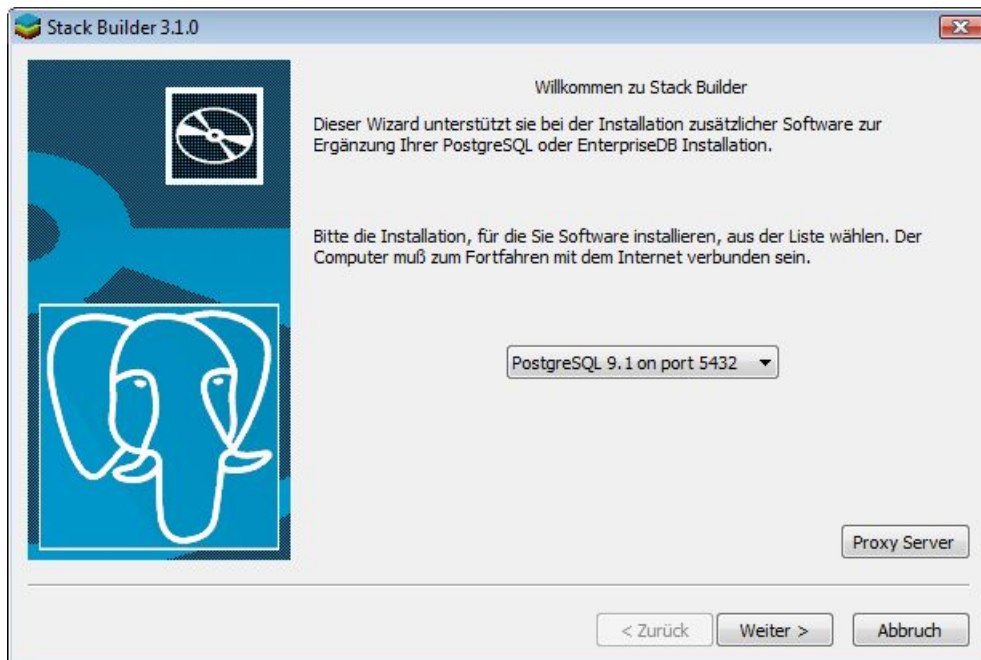
- Click on "Next >" to start the installation. The first installation step finishes with the following window:



Make sure to check the check box in order to begin the next installation step. Then click on "Finish".

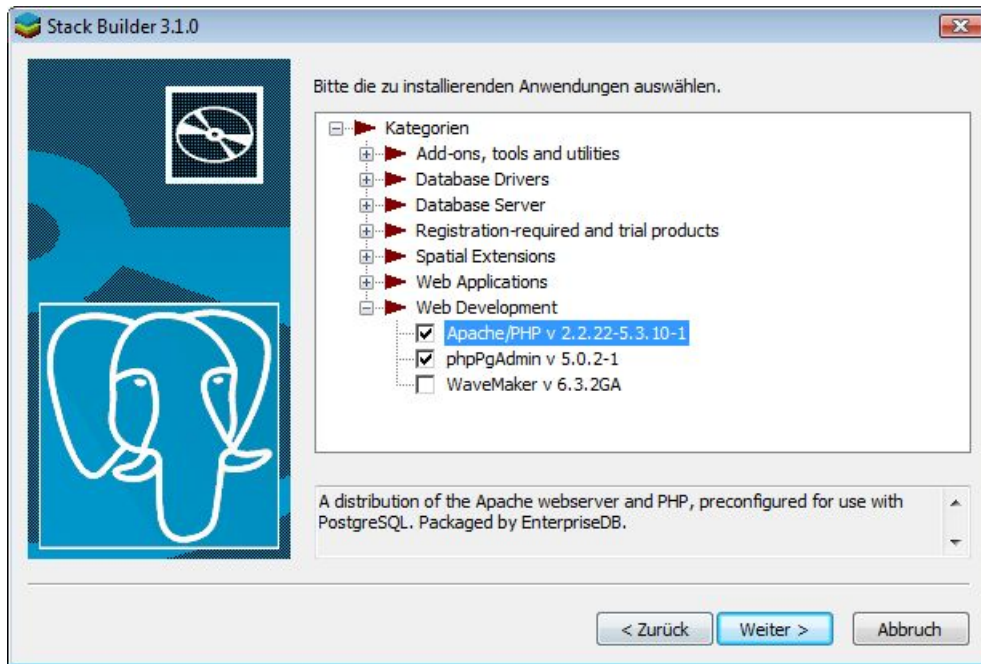
2.2. Installing the Stackbuilder for Apache/PHP

- The second installation step starts with the following window:



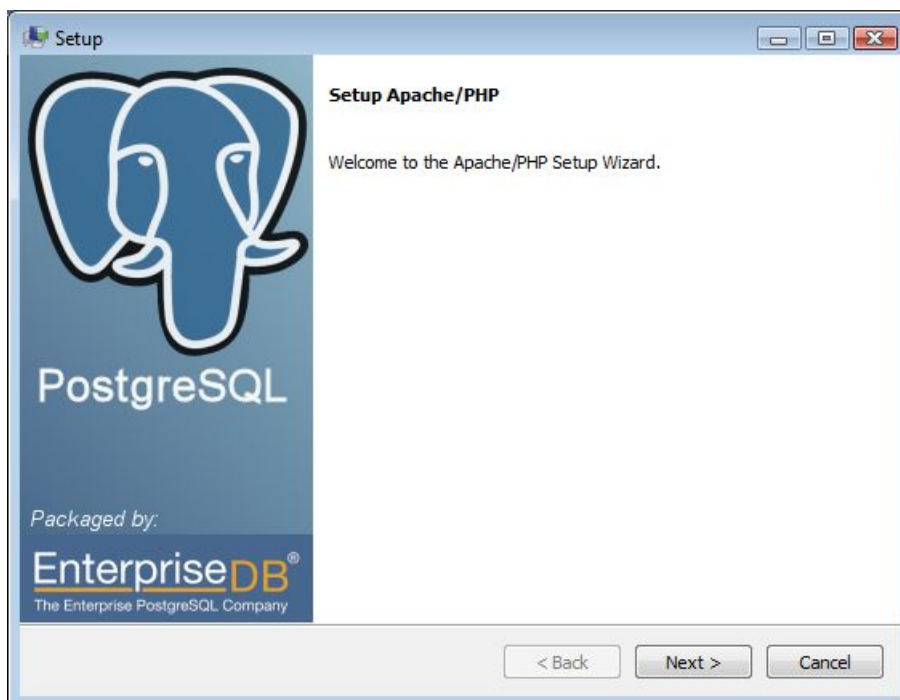
Select "PostgreSQL 9.1 on port 5432" and click on "Next >".

- Choose the additional programs that need to be installed as shown in the following screenshot:



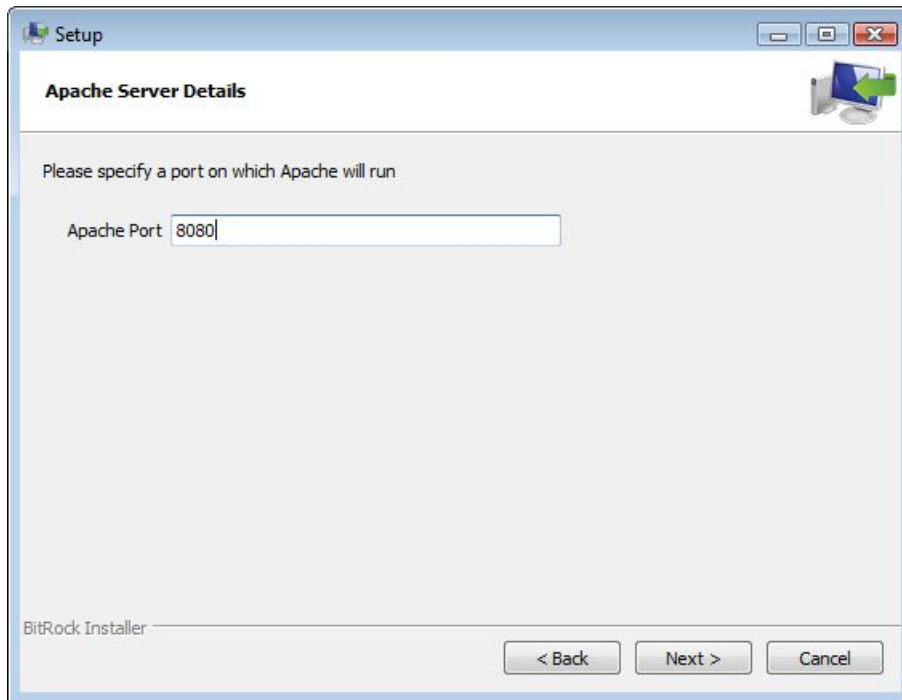
Then click on "Finish".

- Select now the folder into which you want to save these programs. Please keep the default installation path as suggested at the beginning of the installation instructions. Then click on "Next".
- Click on "Next" in the following window and a second setup will open:



You will now install Apache/PHP. Click on "Next >".

- Select the folder into which you want to install Apache/PHP. Please keep the default installation path as suggested at the beginning of the installation instructions. Then click on "Next".
- The setup will now ask you for the localhost port. Make sure that 8080 is entered.



Click on "Next >" and you can start the installation.

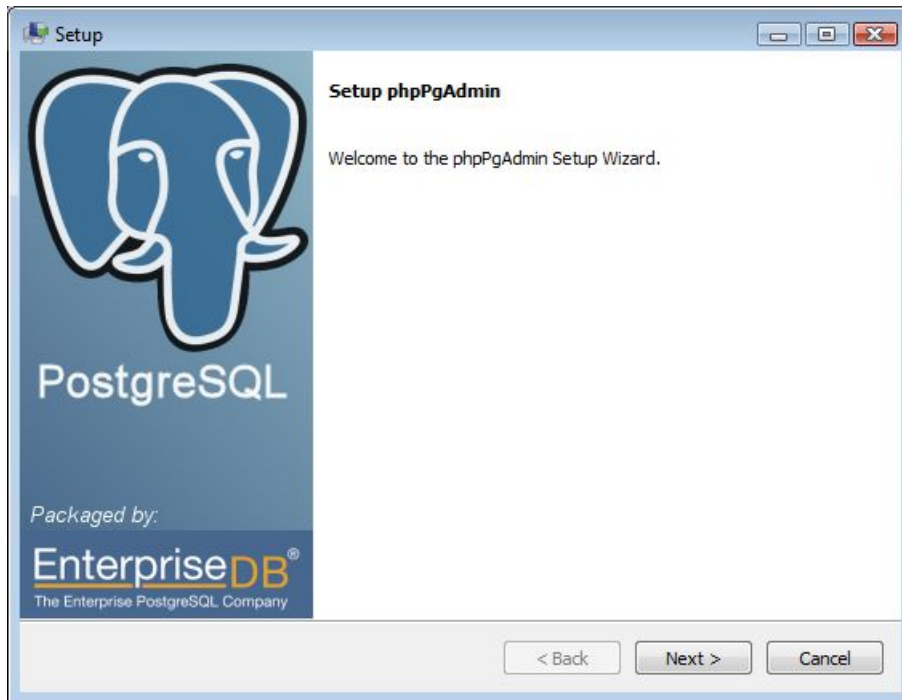
Note:

Your Firewall may want to block communications that are needed for this process. Click on "Unblock" to allow the communication.

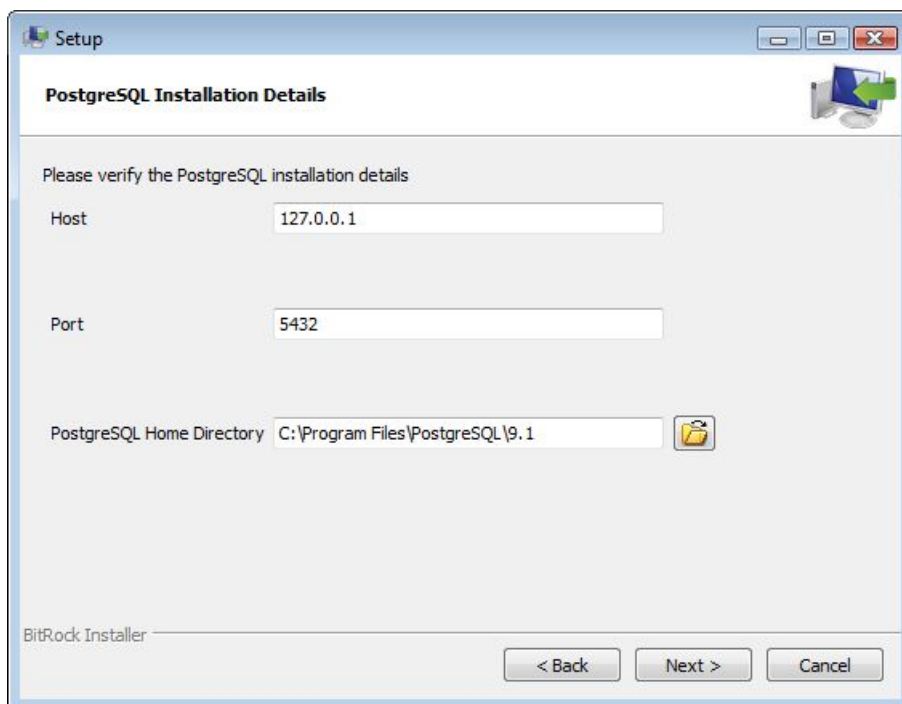
- Click on "Finish" and the second installation step is finished. The next setup starts.

2.3. Installing PhpPgAdmin

- The next installation step starts with the following window:



- Click on "Next >" and check the PostgreSQL installation. If you followed the previous steps correctly, you will see the following window:



Click on "Next >" and you can start the installation.

- Click on "Finish" and in the remaining window as well to finish the last installation step of Step 1.

3. Step 2: Installation of WebSense

3.1. Installing WebSense

- Test your Apache server by opening your browser and pointing to <http://localhost:8080/index.php>. If the server runs correctly, you will see the following message:



Apache - version 2.2.22

PHP - version 5.3.10

Server is up and running

The default Apache context is www in the Apache installation folder

- Go into the EnterpriseDB installation directory.
- Copy the WebSense folder into the www folder. If you did not change the default installation path, you will find the folder in:

C: > Programme > PostgreSQL > EnterpriseDB-ApachePHP > apache

Note:

You need to be administrator to copy the folder.

3.2. Creating the WebSense Database

- Open your web browser and point to <http://localhost:8080/phpPgAdmin/>.
- Click in the left menu under "Server" on "PostgreSQL":



- You can now log on the server:

Username	<input type="text"/>
Password	<input type="password"/>

User name: postgres (Password: testuser)

- Click on "Create database". You will see a formula into which you copy the settings as shown in the following figure:

Name	websense
Template	template0
Encoding	WIN1252
Collation	
Character Type	
Comment	

Click on "Create" to create the WebSense database.

- Now click in the left menu under "Server" on "PostgreSQL" and then on the "Roles" tab.
- Click on "Create role" and create two roles as shown in the following screenshots:

1st User "mo" (Password: "mo"):

Name	mo
Password	●●
Confirm	●●
Superuser?	<input checked="" type="checkbox"/>
Create DB?	<input checked="" type="checkbox"/>
Can create role?	<input checked="" type="checkbox"/>
Inherits privileges?	<input checked="" type="checkbox"/>
Can login?	<input type="checkbox"/>
Connection limit	
Expires	
Member of	postgres
Members	postgres
Admin members	postgres

2nd User: "webreader" (Password: "webreader"):

Name	webreader
Password	●●●●●●●●
Confirm	●●●●●●●●
Superuser?	<input type="checkbox"/>
Create DB?	<input type="checkbox"/>
Can create role?	<input type="checkbox"/>
Inherits privileges?	<input type="checkbox"/>
Can login?	<input checked="" type="checkbox"/>
Connection limit	
Expires	
Member of	mo postgres
Members	mo postgres
Admin members	mo postgres

- Sign off of phpPgAdmin.

3.3. Working with the command line in Windows

Note:

If you already know how to use the command line, you can skip this step.

Read this chapter to learn something about the command line in Windows since it is required for the next installation step.

3.3.1. Introduction

The command line (or terminal) can do everything for which you now use a user interface and your mouse. It is only based on text commands. You can, for example, start a program or copy a file into a folder by entering the right text commands. Some people prefer it because it allows them to work much faster than a user interface.

Here are some basics that help you work with it:

- Use your mouse only to mark, copy or paste something. You cannot click into the text because you made a spelling mistake, for example.

Use the right and left arrow keys for that.

- You may often need to start a program that is located in a specific folder. This requires to change to the directory first.

Change to a directory by typing in `cd` and the name of the folder:

```
cd Music
```

- **To change to a hard drive partition you type something like:**

C: or D: (it depends on its name).

- **Separate every directory with a back slash (\):**

```
cd Music\Genre\Classic
```

This command line allows you to change to the `Classic` folder, which is located in `Music` under `Genre`.

- **You can also start a program by entering its installation path and the program:**

```
cd Games\Tetris.exe
```

If you already are in the specific folder, you can omit the path.

3.4. Inserting Data into the Database

- Go into the EnterpriseDB installation directory.
- Copy the database (a .sql file) into the `bin` folder. If you used the default installation path, you will find the folder in:

```
C: > Programme > PostgreSQL > 9.1
```

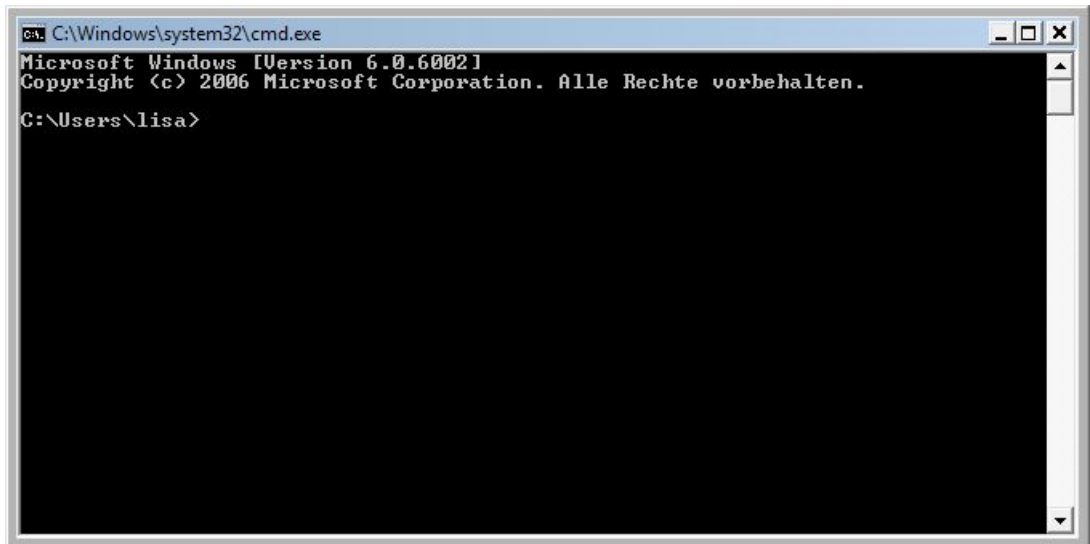
Note:

You need to be administrator to copy the folder.

- Click in Windows on "Start" and enter "cmd" (without quotes) into the input field:

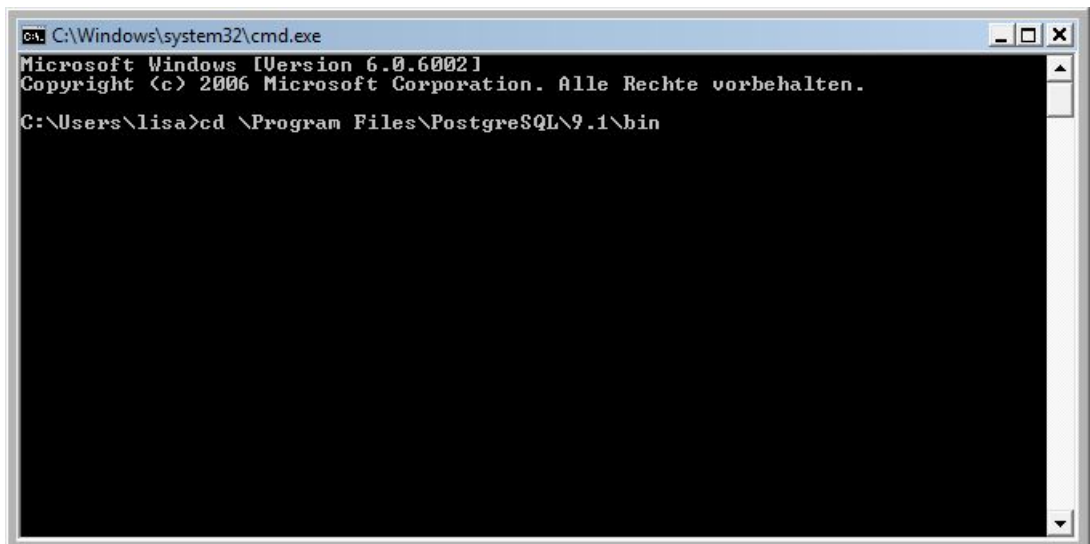


The command-line interface opens. Example:



- Go into the bin directory of your EnterpriseDB installation. If you used the default installation path in Step 1, you enter the following command line and press Enter:

cd \Program Files\PostgreSQL\9.1\bin



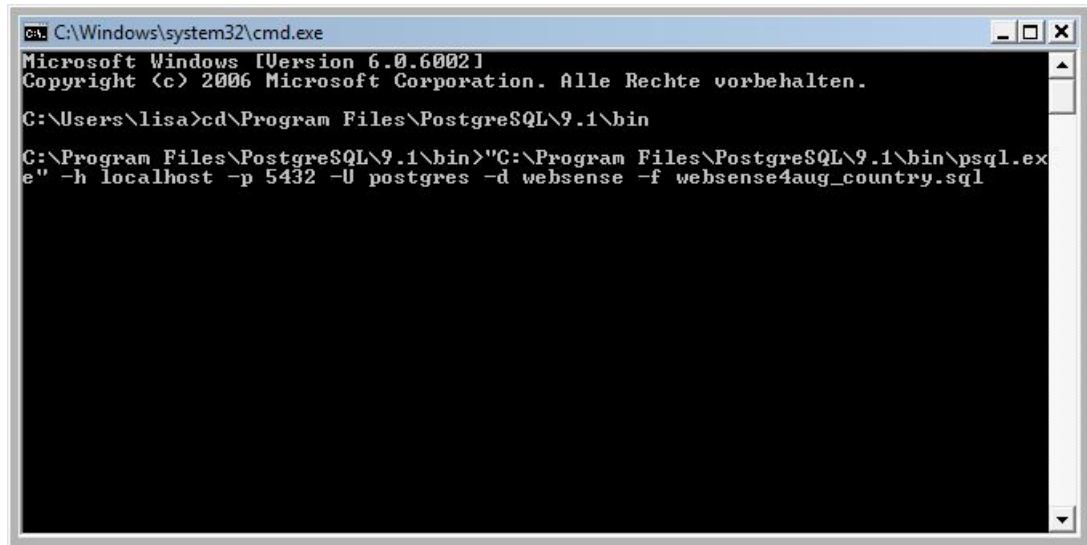
- Now, type in the following command line to upload the SQL file

"C:\Program Files\PostgreSQL\9.1\bin\psql.exe" -h localhost -p 5432 -U postgres -d websense -f "database.sql"

Note:

For "database.sql" enter the name of the SQL file (without quotes).

Example:



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.0.6002]
Copyright (c) 2006 Microsoft Corporation. Alle Rechte vorbehalten.

C:\Users\lisa>cd\Program Files\PostgreSQL\9.1\bin

C:\Program Files\PostgreSQL\9.1\bin>"C:\Program Files\PostgreSQL\9.1\bin\pgsql.exe" -h localhost -p 5432 -U postgres -d websense -f websense4aug_country.sql
```

- It will ask for your password. Type in "testuser" (without quotes) and press Enter. The data in the database will be uploaded. This might take some time.
- It is finished when you can type in a command line again.
- Start WebSense by opening your web browser and pointing to <http://localhost:8080/websense>.

Tip

You can read the tutorial for your first steps in WebSense. It is located in the **Help** tab in WebSense.