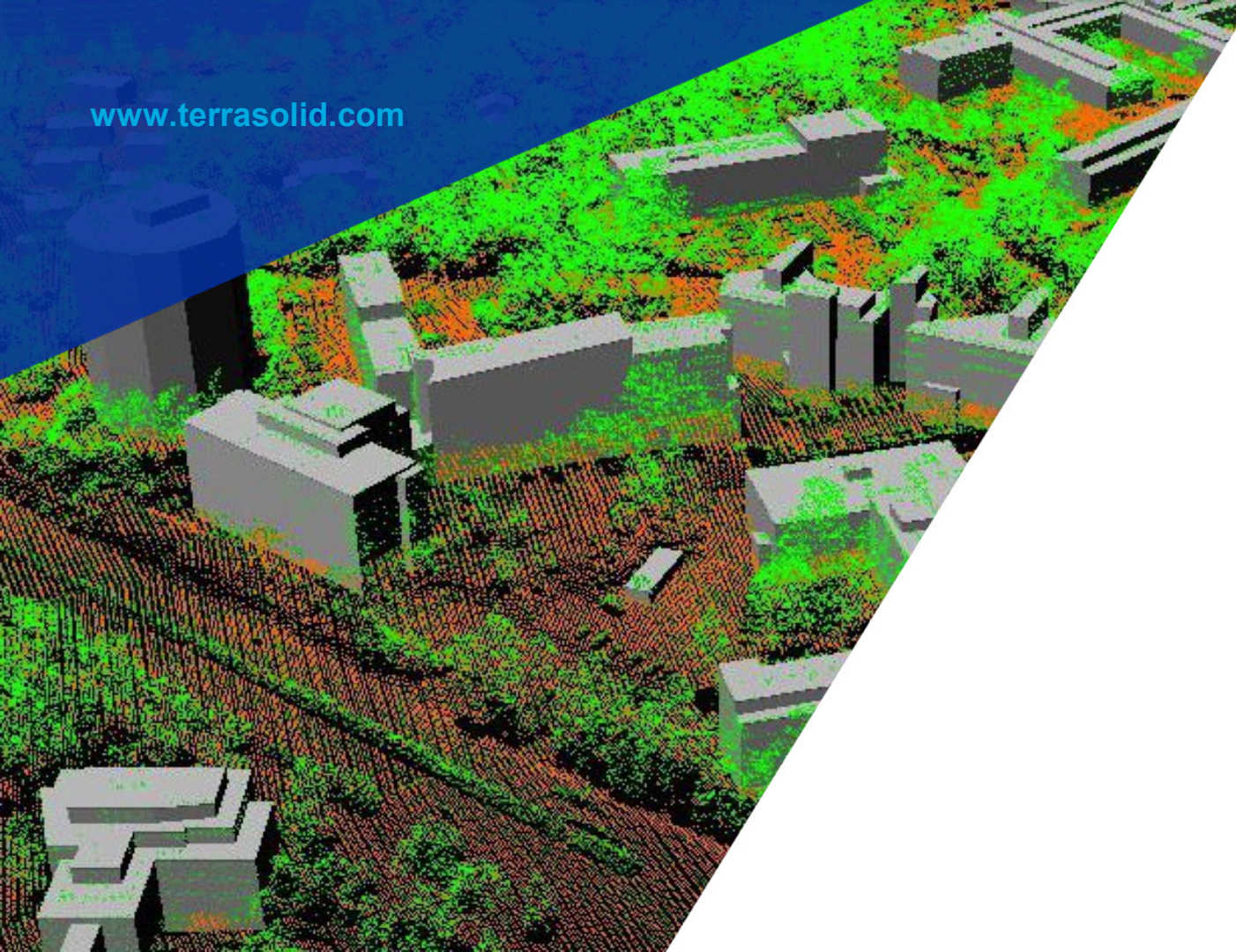


www.terrasolid.com



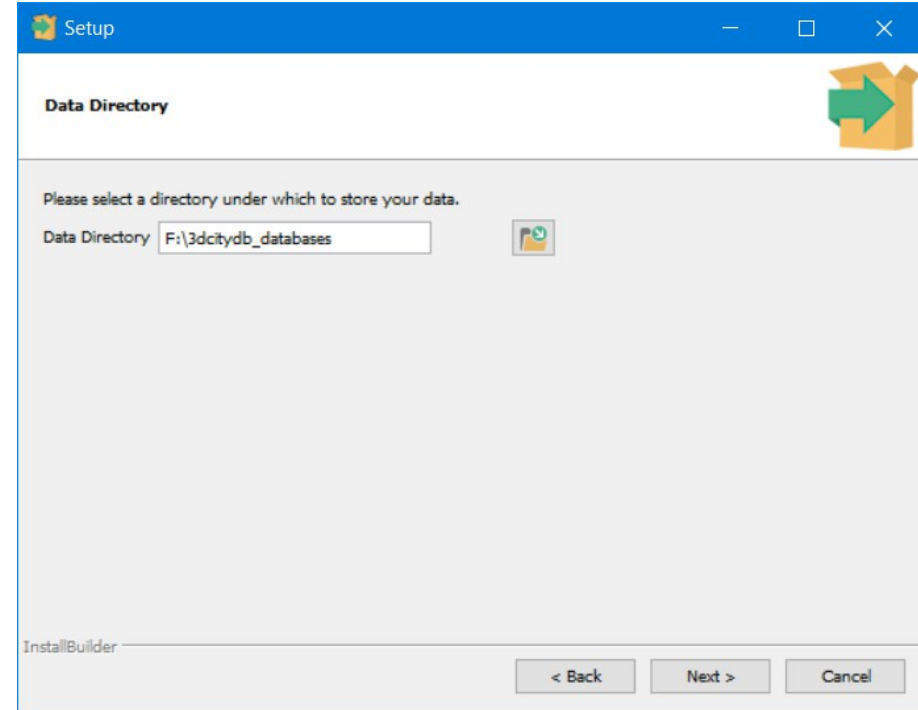
3DCityDB Setup

Arttu Soininen 17.12.2019



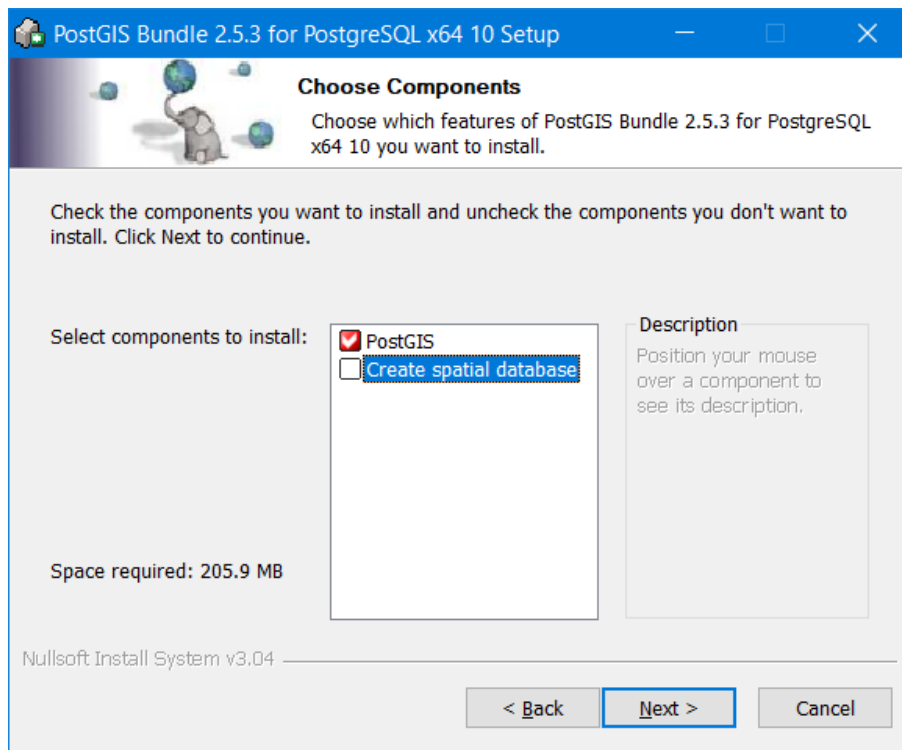
PostgreSQL

- Run postgresql-10.11-1-windows-x64.exe
- **Data Directory** is location where you want to store databases



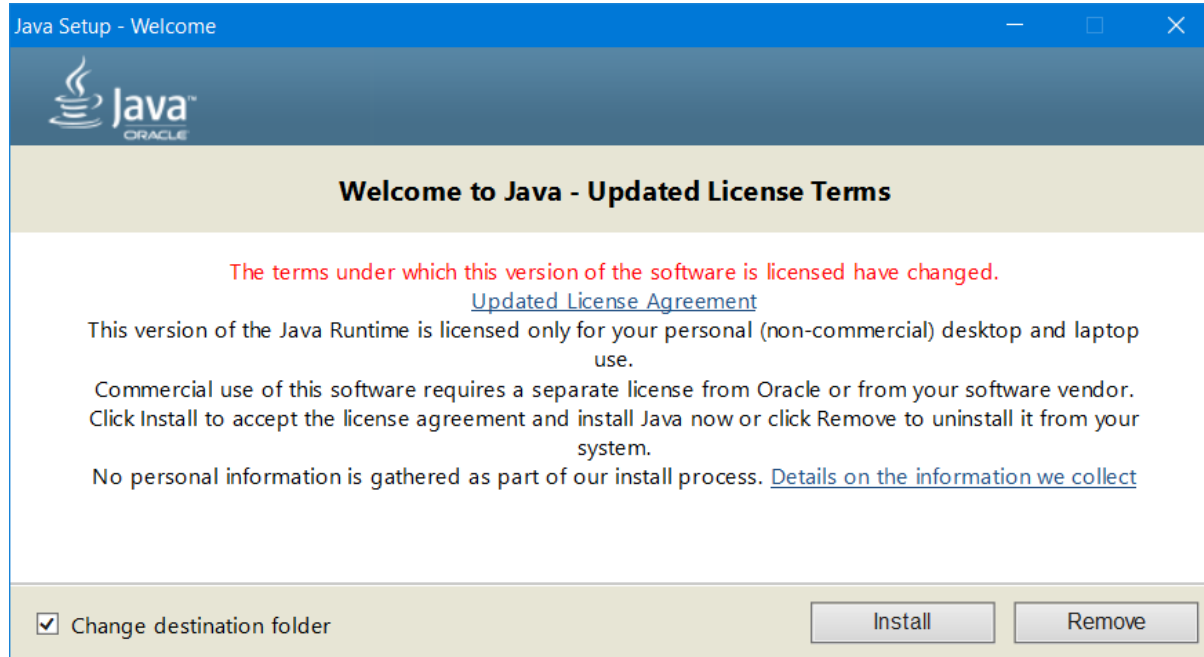
PostGIS

- Run postgis_2_5_pg10.exe
- Use same destination folder as for PostgreSQL



Java

- Run `jre_8u241-windows-x64.exe`



3DCityDB Importer Exporter



- Right click on **Command Prompt** startup icon and select **Run as administrator**
- Change to folder where you have installation .jar package
- Enter command: `java -jar 3DCityDB-Importer-Exporter-4.2.0-Setup.jar`

```
Administrator: Command Prompt
11/25/2019 07:24 AM      20,998,656 3DCityDB_Documentation_v4.2.pdf
11/30/2019 03:16 PM          115 activate_3dcitydb.bat
11/25/2019 09:21 AM      2,066,464 JavaSetup8u231.exe
11/27/2019 04:58 PM      29,122,246 postgres_2_5_pg10.exe
11/27/2019 04:50 PM      170,854,168 postgresql-10.11-1-windows-x64.exe
11/26/2019 08:36 AM       4,218,880 psqlodbc_x64.msi
11/25/2019 09:32 AM          76 setup_3dcitydb.bat
      8 File(s)      437,520,210 bytes
      2 Dir(s)      316,971,454,464 bytes free

C:\backup\3dcitydb>dir
Volume in drive C has no label.
Volume Serial Number is F8B6-1F6A

Directory of C:\backup\3dcitydb

12/17/2019 05:21 PM <DIR>          .
12/17/2019 05:21 PM <DIR>          ..
11/22/2019 06:44 PM      210,259,605 3DCityDB-Importer-Exporter-4.2.0-Setup.jar
11/25/2019 07:24 AM      20,998,656 3DCityDB_Documentation_v4.2.pdf
11/30/2019 03:16 PM          115 activate_3dcitydb.bat
11/25/2019 09:21 AM      2,066,464 JavaSetup8u231.exe
11/27/2019 04:58 PM      29,122,246 postgres_2_5_pg10.exe
11/27/2019 04:50 PM      170,854,168 postgresql-10.11-1-windows-x64.exe
11/26/2019 08:36 AM       4,218,880 psqlodbc_x64.msi
11/25/2019 09:32 AM          76 setup_3dcitydb.bat
      8 File(s)      437,520,210 bytes
      2 Dir(s)      316,971,454,464 bytes free

C:\backup\3dcitydb>java -jar 3DCityDB-Importer-Exporter-4.2.0-Setup.jar
```

Setup - 3D City Database Importer/Exporter v4.2.0

Select Installation Packages
Select which application components you want to install.

Step 5 of 9

Select the packs you want to install:
Note: Grayed packs are required.

Component	Size
<input checked="" type="checkbox"/> Core application files	351.55 MB
<input checked="" type="checkbox"/> 3D City Database	2.14 MB
<input checked="" type="checkbox"/> Documentation	19.99 MB
<input type="checkbox"/> 3D Web Map Client	29.52 MB
<input type="checkbox"/> Sample CityGML and KML/COLLADA datasets	57.95 MB
<input checked="" type="checkbox"/> Plugins	20.32 MB
<input checked="" type="checkbox"/> Spreadsheet Generator Plugin	13.51 MB
<input checked="" type="checkbox"/> ADE Manager Plugin	6.8 MB

Description
The documentation of the 3D City Database and the 3D City Database Importer/Exporter.

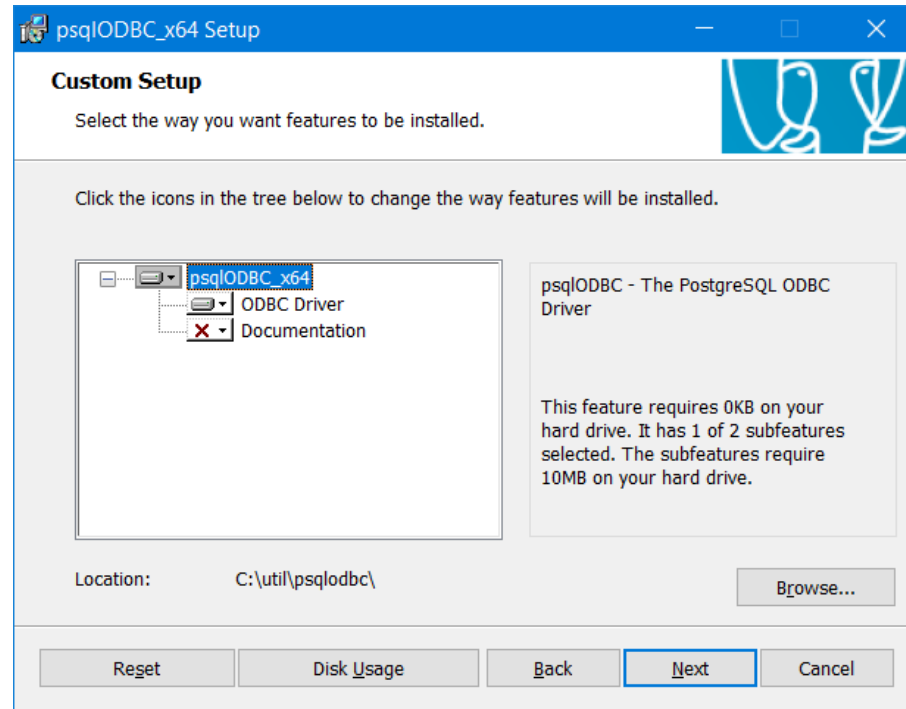
Total space required: 393.99 MB
Available space: 295.21 GB

(Made with IzPack - <http://izpack.org/>)

Previous Next Quit

ODBC Driver

- Run psqlodbc_x64.msi



Database Creation



- Run PostgreSQL tool **pgAdmin 4**
- Right click on **Databases** row and select **Create / Database...**
- Enter name for new database

The screenshot displays the pgAdmin 4 web interface. The left sidebar shows a tree view of the database structure under 'PostgreSQL 10', with 'Databases (1)' expanded to show 'postgres'. A 'Create - Database' dialog box is open in the center, with the following fields:

- Database: jyvaskyla
- Owner: postgres
- Comment: (empty)

The background interface includes several monitoring panels: 'Server sessions' (line graph), 'Transactions per second' (line graph), 'Block I/O' (line graph with 'Reads' and 'Hits' series), and a 'Server activity' table. The table shows active sessions with columns for PID, Username, State, and Wait event.

State	Wait event
active	Activity: WalWriterMain
active	Activity: CheckpointerMain
active	Activity: LogicalLauncherMain
active	Activity: AutoVacuumMain

Database Creation



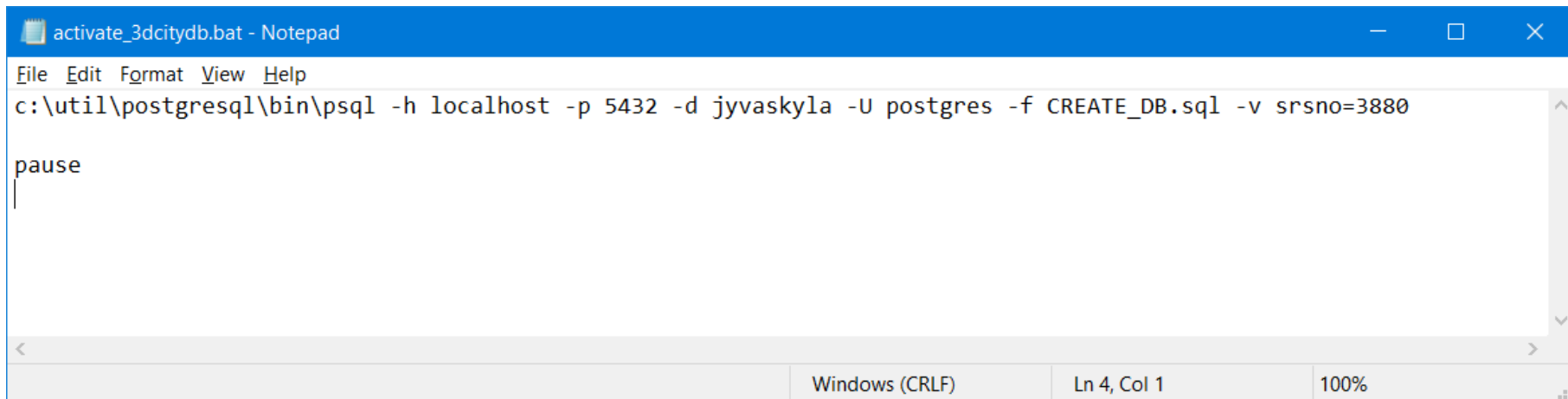
- Click on new database row
- Click **Query Tool** (lightning icon)
- Enter command
- CREATE EXTENSION postgis;
- Click **Execute** (other lightning icon)
- Close **Query**
- Close **pgAdmin 4**

A screenshot of the pgAdmin 4 web interface. The browser address bar shows "127.0.0.1:63824/browser/". The pgAdmin 4 menu bar includes "File", "Object", "Tools", and "Help". The left sidebar shows a tree view of the database structure: "Servers (1)" > "PostgreSQL 10" > "Databases (2)" > "jyvaskyla" (selected). Under "jyvaskyla", there are folders for "Casts", "Catalogs", "Event Triggers", "Extensions", "Foreign Data Wrappers", "Languages", and "Schemas". The main area is split into "Query Editor" and "Query History". The "Query Editor" contains the SQL command: "1 CREATE EXTENSION postgis;". Below the editor, the "Messages" tab is active, showing the output: "CREATE EXTENSION" and "Query returned successfully in 660 msec." The bottom of the interface has tabs for "Data Output", "Explain", "Messages", and "Notifications".

Database Creation



- Edit activate_3dcitydb.bat file
- Change database name (jyvaskyla) and coordinate system EPSG code (3880)
- Save into \3dcitydb\postgresql\SQLScripts in your 3D Importer Export folder
- Run activate_3dcitydb.bat in command prompt

A screenshot of a Notepad window titled "activate_3dcitydb.bat - Notepad". The window has a blue title bar and standard Windows window controls (minimize, maximize, close). The menu bar includes "File", "Edit", "Format", "View", and "Help". The main text area contains the following command:

```
c:\util\postgresql\bin\psql -h localhost -p 5432 -d jyvaskyla -U postgres -f CREATE_DB.sql -v srsno=3880
```

Below the command, the word "pause" is written on a new line, followed by a vertical cursor. The status bar at the bottom of the window shows "Windows (CRLF)", "Ln 4, Col 1", and "100%".

Link ODBC Driver to Database

- Run `c:\Windows\System32\odbcad32.exe`
- Click **Add** and select **postgresql Unicode(x64)**
- Enter database name, server, username, description, port and password

