Chapter 1

Streets Data

Landmarks Data

Vegetation Data

Integrated Data
Downloads

PostgreSQL Core Distribution

The core of the PostgreSQL object-relational database management system is available in several source and binary formats.

Binary packages

Pre-built binary packages are available for a number of different operating systems:

- BSD
  - FreeBSD
  - OpenBSD
- Linux
  - Red Hat family Linux (including CentOS/Fedora/Scientific/Oracle variants)
  - Debian GNU/Linux and derivatives
  - Ubuntu Linux and derivatives
  - SuSE and OpenSUSE
  - Other Linux
- Mac OS X
- Solaris
- Windows

Windows installers

Graphical installer

The graphical installer for PostgreSQL includes the PostgreSQL server, pgAdmin III; a graphical tool for managing and developing your databases, and StackBuilder; a package manager that can be used to download and install additional PostgreSQL applications and drivers.

The installer is designed to be as straightforward as possible and the fastest way to get up and running with PostgreSQL on Windows.

Download the installer from EnterpriseDB for all supported versions.

Advanced users can also download a zip archive of the binaries, without the installer. This is not recommended for normal installations, it is intended for users who wish to include PostgreSQL as part of another application installer.

Download PostgreSQL

Please Note: Cookies should be enabled for the download process to function correctly

Installer version Version 9.3.5.1
Welcome to the PostgreSQL Setup Wizard.

[Image of PostgreSQL setup window]

[Image of pgAdmin III window with server details]
All the installation files have now been successfully downloaded.

Please click the "Next" button to start the installations.

Note: You must allow all installations to run to completion. If you are prompted to restart the computer, click "No" or "Restart Later" and manually restart your computer when all the installation have finished.
Choose Components

Choose which features of PostGIS 2.1.3, PgRouting 2.0 for PostgreSQL x64 9.3 you want to install.

Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.

Select components to install:
- PostGIS
- Create spatial database

Space required: 104.1MB

Description
Position your mouse over a component to see its description.

Next>

Database Name

Specify the name of the spatial database to be created at the end of the installation process.

Spatial Database Information

Database Name: spatial_db1

Install
PostGIS 2.1.3, PgRouting 2.0 for PostgreSQL x64 9.3 Setup

Would you like us to register the GDAL_DATA environment variable for you, needed for raster transformation to work properly? This will overwrite existing settings if you have them.

Yes  No

PostGIS 2.1.3, PgRouting 2.0 for PostgreSQL x64 9.3 Setup

Raster drivers are disabled by default. To change you need to set POSTGIS_GDAL_ENABLED_DRIVERS environment variable and will need to restart your PostgreSQL service for changes to take effect. Set POSTGIS_ENABLED_DRIVERS to common drivers GTiff, PNG, JPEG, XYZ, DTED, USGSDEM, AADGrid?

Yes  No

QGIS Chugiak (2.4.0) Setup

Welcome to the QGIS Chugiak (2.4.0) Setup Wizard

This wizard will guide you through the installation of QGIS Chugiak (2.4.0).

It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.

Click Next to continue.
Choose Components

Choose which features of QGIS Chugiak (2.4.0) you want to install.

Check the components you want to install and uncheck the components you don't want to install. Click Install to start the installation.

Select components to install:
- [x] QGIS
- [ ] North Carolina Data Set
- [ ] South Dakota (Spearfish)
- [ ] Alaska Data Set

Space required: 1.2GB

Nullsoft Install System v2.4.6

[Install]
Chapter 2

Environment Variables

User variables for Angel

<table>
<thead>
<tr>
<th>Variable</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEMP</td>
<td>%USERPROFILE%\AppData\Local\Temp</td>
</tr>
<tr>
<td>TMP</td>
<td>%USERPROFILE%\AppData\Local\Temp</td>
</tr>
</tbody>
</table>

System variables

<table>
<thead>
<tr>
<th>Variable</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Path</td>
<td>C:\Windows\system32;C:\Windows;C:...</td>
</tr>
<tr>
<td>PATH Ext</td>
<td>.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;....</td>
</tr>
<tr>
<td>POSTGIS_ENAB...</td>
<td>1</td>
</tr>
<tr>
<td>POSTGIS_GDAL...</td>
<td>GTiff PNG JPEG GIF XYZ DTED USGSDE...</td>
</tr>
</tbody>
</table>

Edit System Variable

Variable name: Path

Variable value: \1.0\C:\Program Files\PostgreSQL\9.3\bin

OK Cancel
C:\Users\Angel>createdb -U postgres Real-State

C:\Users\Angel>psql -d Real-State -U postgres
psql (9.3.5)
WARNING: Console code page 65001 differs from Windows code page 1252
8-bit characters might not work correctly. See psql reference page "Notes for Windows users" for details.
Type "help" for help.
Real-State=#

C:\Users\Angel>cmd.exe /c chcp 1252
Active code page: 1252
C:\Users\Angel>psql -d Real-State -U postgres
psql (9.3.5)
Type "help" for help.
Real-State=#

Real-State=# CREATE EXTENSION postgis;
CREATE EXTENSION
Real-State=#

Real-State=# CREATE TABLE tbl_properties
Real-State=#
  Real-State(# id integer NOT NULL,
  Real-State(# town character(30),
  Real-State(# postal_code character(10),
  Real-State(# street character(30),
  Real-State(# "number" integer,
  Real-State(# the_geom geometry,
  Real-State(# CONSTRAINT pk_id PRIMARY KEY (id)
  Real-State(# );
CREATE TABLE
Real-State=#

Object browser
Server Groups
- Servers (1)
  - PostgreSQL 9.3 (localhost:5432)
Chapter 3
Overpass API
Download this bounding box from a mirror of the OpenStreetMap database

Planet OSM
Regularly-updated copies of the complete OpenStreetMap database

**Geofabrik Downloads**
Regularly-updated extracts of continents, countries, and selected cities

**Metro Extracts**
Extracts for major world cities and their surrounding areas

<table>
<thead>
<tr>
<th>Sub-Region</th>
<th>.osm.pbf</th>
<th>.shp.zip</th>
<th>.osm.bz2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antarctica</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Asia</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Australia and Oceania</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Central America</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Europe</strong></td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>North America</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>South America</td>
<td>✓</td>
<td>✓</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-Region</th>
<th>.osm.pbf</th>
<th>.shp.zip</th>
<th>.osm.bz2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Georgia (Eastern Europe)</td>
<td>.osm.pbf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>.osm.pbf</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Great Britain</strong></td>
<td>.osm.pbf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Greece</td>
<td>.osm.pbf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hungary</td>
<td>.osm.pbf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub Region</td>
<td>Quick Links</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>-------------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td></td>
<td>.osm.pbf</td>
<td>.shp.zip</td>
<td>.osm.bz2</td>
</tr>
<tr>
<td>Buckinghamshire</td>
<td>[.osm.pbf]</td>
<td>[.shp.zip]</td>
<td>[.osm.bz2]</td>
</tr>
<tr>
<td>Cambridgeshire</td>
<td>[.osm.pbf]</td>
<td>[.shp.zip]</td>
<td>[.osm.bz2]</td>
</tr>
<tr>
<td>Cheshire</td>
<td>[.osm.pbf]</td>
<td>[.shp.zip]</td>
<td>[.osm.bz2]</td>
</tr>
<tr>
<td>Cornwall</td>
<td>[.osm.pbf]</td>
<td>[.shp.zip]</td>
<td>[.osm.bz2]</td>
</tr>
</tbody>
</table>
Chapter 4
### Create a New PostGIS connection

- **Name**: localhost
- **Service**: localhost
- **Host**: localhost
- **Port**: 5432
- **Database**: Real-World
- **SSL mode**: disable
- **Username**: postgres
- **Password**: 

### Connections

**localhost**

- **Connect**
- **New**
- **Edit**
- **Delete**

### Schema

- **public**

### Table

<table>
<thead>
<tr>
<th>Schema</th>
<th>Table</th>
<th>Column</th>
<th>Data Type</th>
<th>Spatial Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>public</td>
<td>tbl_buildings</td>
<td>the_geom</td>
<td>Geometry</td>
<td>Multipolygon</td>
</tr>
<tr>
<td>public</td>
<td>tbl_landmarks</td>
<td>the_geom</td>
<td>Geometry</td>
<td>Point</td>
</tr>
<tr>
<td>public</td>
<td>tbl_roads</td>
<td>the_geom</td>
<td>Geometry</td>
<td>Multiline</td>
</tr>
</tbody>
</table>
```sql
Select * from tbl_landmarks
where town = 'London' and
    type = 'School'
```
Chapter 6

User Oriented Documentation

- **Wiki** – Various user and developer contributed documentation and hints
- **Downloads** – Ready to use binaries (executables)
- Supported raster formats (133 drivers): GeoTIFF, Erdas Imagine, ECW, Mr.
- Supported vector formats (80 drivers): ESRI Shapefile, ESRI ArcSDE, ESRI FI
- Raster utility programs: gdalinfo, gdal_translate, gdaladdo, gdalwarp, ...
- Vector utility programs: ogrinfo, ogr2ogr, ogrtindex, ...
- GDAL FAQ
- Raster and Vector data models and architecture
- GDAL/OGR Governance and Community Participation
- GDAL Service Provider Listings (not vetted)
- Acknowledgements and Credits
- Software Using GDAL
Windows

- Tamas Ezeremes maintains a complete set of Win32 and Win64 binary packages (compiled with VC2003/VC2005/VC2008/VC2010) available at the following location.

  http://www.geoinformatica.com/sdk/

  These packages are based on the current development and stable branches built from the GDAL SVN daily. The corresponding SDK packages are also available at that location. The -dev packages are based on the development version (2.0dev at time of writing), and the -stable packages are based on the latest stable branch.

- MapServer for Windows (MS4W) is a popular installer that contains GDAL, MapServer, and the Apache web server. Maintained by Gateway Geomatics.

- Windows binaries built in MinGW are available at:

  http://map.hu.tr/files/GeoInformatica/win32/

  The GeoInformatica-yy-mm-dd.zip contains GDAL (usually a development version), Perl-GDAL, Perl, and many other things.

The buildsystem provides the following resources to download:

- **Stable Releases** - Packages based on the current (official) MapServer and GDAL releases
- **Stable Branches** - Packages compiled daily based on the MapServer Git and GDAL SVN latest stable branches
- **Development Versions** - Packages compiled daily based on the MapServer Git (master) and GDAL SVN (trunk)
- **Development Kits** - Support files to compile mapserver and gdal by yourself
- **Archive Versions** - Older MapServer/GDAL releases, based on previous compilations (not compiled regularly)
- **MapServer MapManager** - MapServer MapManager desktop application to configure map files

### Stable Releases

The following packages are compiled based on packages based on the latest official releases of MapServer and GDAL. It is recommended to use these packages testing and in production environments.

<table>
<thead>
<tr>
<th>Compiler</th>
<th>Platform</th>
<th>Downloads</th>
<th>Package Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSVC 2005</td>
<td>win32</td>
<td>release-1400-gdal-1-11-1-mapserver-6-4-1</td>
<td>information</td>
</tr>
<tr>
<td>MSVC 2005</td>
<td>x64</td>
<td>release-1400-x64-gdal-1-11-1-mapserver-6-4-1</td>
<td>information</td>
</tr>
<tr>
<td>MSVC 2008</td>
<td>win32</td>
<td>release-1500-gdal-1-11-1-mapserver-6-4-1</td>
<td>information</td>
</tr>
<tr>
<td>MSVC 2008</td>
<td>x64</td>
<td>release-1500-x64-gdal-1-11-1-mapserver-6-4-1</td>
<td>information</td>
</tr>
<tr>
<td>MSVC 2010</td>
<td>win32</td>
<td>release-1600-gdal-1-11-1-mapserver-6-4-1</td>
<td>information</td>
</tr>
<tr>
<td>MSVC 2010</td>
<td>x64</td>
<td>release-1600-x64-gdal-1-11-1-mapserver-6-4-1</td>
<td>information</td>
</tr>
</tbody>
</table>

### File Descriptions

<table>
<thead>
<tr>
<th>File name</th>
<th>File date</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDAL-1.11.1-win-amd64-psy2.3.msi</td>
<td>2014-12-14 21:17:00</td>
<td>496 kB</td>
<td>Installer for the GDAL python bindings (requires to install the GDAL core)</td>
</tr>
<tr>
<td>mapserv-6.4.1-1600-x64-core.msi</td>
<td>2014-12-14 21:17:22</td>
<td>23421 kB</td>
<td>MapServer installer with IIS registration support</td>
</tr>
<tr>
<td>gdal-111-1600-x64-oracle.msi</td>
<td>2014-12-14 21:17:13</td>
<td>957 kB</td>
<td>Installer for the GDAL Oracle plugin (must be installed to the same directory as the GDAL core)</td>
</tr>
<tr>
<td>GDAL-1.11.1-win-amd64-psy3.3.msi</td>
<td>2014-12-14 21:17:01</td>
<td>464 kB</td>
<td>Installer for the GDAL python bindings (requires to install the GDAL core)</td>
</tr>
<tr>
<td>GDAL-1.11.1-win-amd64-psy3.3.msi</td>
<td>2014-12-14 21:17:01</td>
<td>512 kB</td>
<td>Installer for the GDAL python bindings (requires to install the GDAL core)</td>
</tr>
<tr>
<td>GDAL-1.11.1-win-amd64-psy3.3.msi</td>
<td>2014-12-14 21:17:01</td>
<td>512 kB</td>
<td>Installer for the GDAL python bindings (requires to install the GDAL core)</td>
</tr>
<tr>
<td>gdal-111-1600-x64-ecv.msi</td>
<td>2014-12-14 21:17:10</td>
<td>3594 kB</td>
<td>Installer for the GDAL ECV plugin (must be installed to the same directory as the GDAL core)</td>
</tr>
<tr>
<td>gdal-111-1600-x64-filegdb.msi</td>
<td>2014-12-14 21:17:11</td>
<td>2122 kB</td>
<td>Installer for the GDAL FileGDB plugin (must be installed to the same directory as the GDAL core)</td>
</tr>
<tr>
<td>gdal-111-1600-x64-core.msi</td>
<td>2014-12-14 21:17:09</td>
<td>20830 kB</td>
<td>Generic installer for the GDAL core components</td>
</tr>
<tr>
<td>gdal-111-1600-x64-mrsid.msi</td>
<td>2014-12-14 21:17:12</td>
<td>2914 kB</td>
<td>Installer for the GDAL MRSID plugin (must be installed to the same directory as the GDAL core)</td>
</tr>
</tbody>
</table>
Welcome to the GDAL 111 (MSVC 2010 Win64) Setup Wizard

The Setup Wizard will install GDAL 111 (MSVC 2010 Win64) on your computer. Click Next to continue or Cancel to exit the Setup Wizard.

Choose Setup Type
Choose the setup type that best suits your needs

- Typical
  Installs the most common program features. Recommended for most users.

- Custom
  Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.

- Complete
  All program features will be installed. Requires the most disk space.
Completed the GDAL 111 (MSVC 2010 Win64) Setup Wizard

Click the Finish button to exit the Setup Wizard.
Supported Formats:

- ABG (rw): Bathymetry Attributed Grid
- FITS (rw+): Flexible Image Transport System
- GMT (rw): GMT NetCDF Grid Format
- HDF4 (ro): Hierarchical Data Format Release 4
- HDF4Image (rw+): HDF4 Dataset
- HDF5 (ro): Hierarchical Data Format Release 5
- HDF5Image (ro): HDF5 Dataset
- netCDF (rw+): Network Common Data Format
- VRT (rw+u): Virtual Raster
- GIF (rw+): GeoTIFF
- NITF (rw+u): National Imagery Transmission Format
- RPF (ro): Raster Product Format
- ECRG (ro): ECRG TOC Format
- HRR (ro): Earsd Imagery (.img)
- SAR (ro): CEOS SAR Image
- CEOS (ro): CEOS Image
- JAXAPALSAR (ro): JAXA PALSAR Product Reader (Level 1.1/1.5)
- GFZ (ro): Ground-based SAR Applications Testbed File Format (.gff)
- EROS (ro+u): EROS
- ATG (ro): Arc/Info Binary Grid
- AAGrid (ro): Arc/Info ASCII Grid
- GRASSAsciiGrid (ro): GRASS ASCII Grid
- SDIS (ro): SDIS Raster
- DTED (.ro): DTED Elevation Raster
- PNG (rw+): Portable Network Graphics
- JPEG (ro): JPEG JPEG
- MEM (ro): In Memory Raster
- JDEM (ro): Japanese DEM (.mem)
- GIF (ro): Graphics Interchange Format (.gif)
- DIME (ro): Graphics Interchange Format (.gif)
- ENVI (ro): Envisat Image Format
- BSB (.ro): Maptech BSN Nautical Charts
- XPM (.ro): X11 PIXMap Format
- BMP (.ro+u): MS Windows Device Independent Bitmap
- DITMAP (.ro): DITMAPP
- AirSAR (.ro): AirSAR Polinometric Image
- RS2 (ro): RadarSat 2 XML Product
- PCI(SK) (rw+u): PCI/SK Database File
- PCRaster (ro+): PCRaster Raster File
- IMAG (ro+): IMAG Raster Map
- SGI (ro+): SGI Image File Format 1.0
- SRTM3G (ro+): SRTM3G File Format
- Tessel (ro+): Tessel heightfield
- Tessel (ro+): Tessel heightfield
- IS1653 (ro+): USGS Astrogeology IS16 cube (Version 3)
- IS1652 (ro+u): USGS Astrogeology IS16 cube (Version 2)
- PDS (ro+): NASA Planetary Data System
- TIL (ro+): EarthView .TIL
**public**

**Schema details**

Owner: postgres  
Comment: standard public schema

**Privileges**

User has privileges:

- create new objects
- access objects

---

**overview**

**General info**

Relation type: Table  
Owner: postgres  
Pages: 0  
Rows (estimation): 0  
Rows (counted): 1  
Privileges: select, insert, update, delete

**PostGIS**

Column: rast  
Geometry: RASTER  
Extent: (unknown) [find out]

**Fields**

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<tr>
<th>#</th>
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<th>Length</th>
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<th>Default</th>
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<tbody>
<tr>
<td>1</td>
<td>id</td>
<td>int4</td>
<td>4</td>
<td>N</td>
<td>nextval(overview_id_seq)</td>
</tr>
<tr>
<td>2</td>
<td>rast</td>
<td>raster</td>
<td>Y</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Chapter 7
Chapter 8
Be sure that you have installed Visual C++ Redistributable for Visual Studio 2012: VC11.x64.exe

Apache 2.4 binaries VC11
IPv6 Crypts apr-1.5.1 apr-util-1.5.3 apricot-1.2.1 openssl-1.0.1f zlib-1.2.8 pcre-8.35 libxml2-2.9.1 lua-5.1.5 expat-2.1.0

Info & Changelog

Apache 2.4.10 Win64
https://2.4.10-x64/VC11.exe
PSF Signature(Public PSF key), SHA1-SHA12 Checksum

Apache 2.4.10 Win32
https://2.4.10-win32/VC11.exe
PSF Signature(Public PSF key), SHA1-SHA12 Checksum

It works!
VC11 x64 Thread Safe (2015-Mar-19 23:50:36)
Note: x64 builds are currently experimental

- Zip [21.49MB]
  sha1: 151cd23db7ff5deed8731182615f31304e4b4dca

- Debug Pack [9.57MB]
  sha1: ac35994c04d107dcc613c0818207db70513f824f0

PHP Version 5.6.4

<table>
<thead>
<tr>
<th>System</th>
<th>Windows NT ANGEL-FC 6.1 build 7601 (Windows 7 Business Edi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Build Date</td>
<td>Dec 17 2014 13:18:16</td>
</tr>
<tr>
<td>Compiler</td>
<td>MSVC11 (Visual C++ 2012)</td>
</tr>
<tr>
<td>Architecture</td>
<td>x64</td>
</tr>
</tbody>
</table>

Leaflet

An Open-Source JavaScript Library for Mobile-Friendly Interactive Maps
Web Application

Start

Read Spatial Database data

Create map object

Create objects that represents the positions

Finish

Show the result Web Page to the user
Chapter 9
World Wind Java SDK

Welcome:
Here you will find the World Wind SDK for Java. With this, developers can embed World Wind technology in their own applications.

Many resources are available at goworldwind.org to help you understand and use World Wind.

Current releases:

World Wind Java SDK 2.0
World Wind Java SDK Daily Builds
World Wind Java SDK 1.5.1

The latest formal release is 2.0. The primary difference between the two releases is that version 2.0 uses JOGL 2 whereas version 1.5.1 uses JOGL 1. The appropriate JOGL libraries are included with the SDK download.

Eclipse IDE for Java Developers, 154 MB
Downloaded 589,902 Times

The essential tools for any Java developer, including a Java IDE, a CVS client, Git client, XML Editor, Mylyn, Maven integration...
Select a workspace
Eclipse stores your projects in a folder called a workspace. Choose a workspace folder to use for this session.

Workspace: C:sers\Angel\Documents

Copy Settings

OK Cancel

Select a wizard
Create a Java project from an existing Ant buildfile on the file system

Wizards:
type filter text

- Java Project
  - Java Project from Existing Ant Buildfile
  - Plug-in Project
- General
- CVS
- Java
- Plug-in Development

Create a Java Project from an Ant Buildfile
Create a new Java project based on the specification of a javac task in the Ant buildfile. This does not copy the source contents to the workspace.

Project name:

Ant buildfile: Browse...

Select javac declaration to use to define project:
Create a Java Project from an Ant Buildfile

Create a new Java project based on the specification of a javac task in the Ant buildfile. This does not copy the source contents to the workspace.

Project name: worldwind
Ant buildfile: C:\Users\Angel\Documents\worldwind\build.xml
Package Explorer

- src
  - com.zebraimaging
  - config
  - config.Earth
  - gov.nasa.worldwind
  - gov.nasa.worldwind.animation
  - gov.nasa.worldwind.avlist
  - gov.nasa.worldwind.awt
  - gov.nasa.worldwind.cache
  - gov.nasa.worldwind.data
  - gov.nasa.worldwind.event
  - gov.nasa.worldwind.exception
  - gov.nasa.worldwind.formats.csv
  - gov.nasa.worldwind.formats.dds
  - gov.nasa.worldwind.formats.dted
  - gov.nasa.worldwind.formats.gcps
  - gov.nasa.worldwind.formats.geojson
  - gov.nasa.worldwind.formats.geors
  - gov.nasa.worldwind.formats.gpx
  - gov.nasa.worldwind.formats.json
  - gov.nasa.worldwind.formats.nifts
```java
package Example;

public class HelloWorldWind {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
    }
}
```
About

Binary JAR file downloads of the JDBC driver are available here and the current version with Maven Repository. Because Java is platform neutral, it is a simple process of just downloading the appropriate JAR file and dropping it into your classpath. Source versions are also available here for recent driver versions. Prior to the 8.0 release the JDBC driver was distributed with the server source code.

Current Version

This is the current version of the driver. Unless you have unusual requirements (running old applications or JVMs), this is the driver you should be using. It supports PostgreSQL 7.2 or newer and requires a 1.6 or newer JVM. It contains support for SSL and the java.sql package. If you are using the 1.6 then you should use the JDBC4 version. If you are using 1.7 or 1.8 then you should use the JDBC41 version. If you are using a Java version older than 1.6 then you will need to use a JDBC3 version of the driver, which will by necessity not be current.

JDBC4 Postgresql Driver, Version 9.4-1201
JDBC41 Postgresql Driver, Version 9.4-1201

JDBC3 Postgresql Driver, Version 9.3-1102