

INSTALL QUANTUM GIS ON SNOW LEAPORD

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CASE STUDY: MAC OS X (Snow Leopard 10.6.8) on 64bit Intel Duo Core MacBook
ASSUMPTION: REQUIRES ROOT PASSWORD

RELATED DOC: INSTALL POSTGRES SQL & POSTGIS ON SNOW LEAPORD
RELATED DOC URL: http://dbr.nu/qgis/docs/postgis_install_on_snow_leopard.pdf

CONVENTIONS:

\$ at beginning of line = Terminal Command executed as regular logged in user
at beginning of line = Terminal Command executed as superuser (root)
[] square brackets = term to be supplied by you (like "[username]" change to "faust")
-> indicates the response expected from the Terminal Command, multiple lines
// at beginning of text section = comments, not commands

1) based on these instructions:

<http://sites.google.com/site/eospansite/qgis-installation/installing-qgis-1-6-on-macosx>

2) download packages: <http://www.kyngchaos.com/software/frameworks>

- GDAL_Complete-1.8.dmg
- GSL_Framework-1.15-1-snow.dmg
- FreeType_Framework-2.4.6-1-snow.dmg
- cairo_Framework-1.10.2-3a-snow.dmg
- GRASS-6.4.1-5-Snow.dmg
- Qgis-1.7.1-2.dmg

// the packages may be updated by the time you install them. Use the latest.

// Installation order should be as follows:

3) GDAL (first package to install)

double-click on the file GDAL_Complete-1.8.dmg follow the instructions to accept default installation.

// Package statement: 2011-10-22 GDAL Complete includes all the current versions of the Unix Compatibility Frameworks for a complete functioning GDAL 1.8. This includes: GDAL, GEOS, PROJ, SQLite3, and UnixImageIO.

4) NumPy (second package to install) [part of GDAL Complete dmg]

double-click on the NumPy installer in the GDAL dmg, then accept the default installation options.

// Package Statement: 1.6.1-1 2011-8-7 This is the [NumPy](#) module for Python. It overrides the older system NumPy. Mac OS 10.6 or newer is required. It is built for the system Python 2.7 on Lion and 2.6 on Snow Leopard, and will install in /Library/Python/2.x/site-packages.

5) GSL Framework (third package to install)

double-click on the file GSL_Framework-1.15-1-snow.dmg, then accept the default installation options.

// Package statement: 1.15-1 2010-8-3 This is a framework version of the Unix [GSL](#) library (Gnu Scientific Library). Mac OS 10.6 or greater is required.

6) Freetype Framework (fourth package to install)

double-click on the file FreeType_Framework-2.4.6-1-snow.dmg, then accept the default installation options.

//Package statement: 2.4.6-1 2011-8-3 This is a framework version of the Unix [FreeType](#) font rendering library. Mac OS 10.6 or greater is required.

7) Cairo Framework (fifth package to install)

double-click on the file cairo_Framework-1.10.2-3a-snow.dmg, then accept the default installation options.

// Package statement: 1.10.2-3 2011-8-2 This is a framework version of the [cairo](#) 2D graphics library. It also includes a Python library. Only the standard surface and font backends are included (no Quartz). Mac OS 10.6 or greater is required. Cairo requires the UnixImageIO 1.3, and FreeType frameworks.

// Note: you will see reqmt of UnixImageIO, etc. UnixImageIO, Proj, GEOS, & SQLite3 are all bundled in GDAL Complete (installed in first package, above).

8) GRASS (sixth package to install)

double-click on the file GRASS-6.4.1-5-Snow.dmg, then accept the default installation options.

9) GRASS GDAL plugin (seventh package to install)

double-click on GRASS GDAL plugin.mpkg in the GRASS.dmg, then accept the default installation options.

10) open terminal session and change to superuser, then enter: export

```
PATH=/Library/Frameworks/GDAL.framework/Programs:$PATH
```

```
$ su -
```

```
->Password: [yourPassword]
```

```
root# export PATH=/Library/Frameworks/GDAL.framework/Programs:$PATH
```

11) QGIS 1.7.1-2 (eighth package to install)

double-click on the file Qgis-1.7.1-2.dmg, then accept the default installation options.

12) QGIS should now appear in Finder Applications, launch the program to test it out

>>> If you wish to follow up with PostgreSQL & PostGIS datastore options, please see the document:

INSTALL POSTGRESQL & POSTGIS MAC INSTALL

URL: http://dbr.nu/qgis/docs/postgis_install_on_snow_leopard.pdf