

Newcastle City Council - Migration to QGIS and Open Source GIS

QGIS

- Installer
- Support
- Plugins
- Training

PostGIS

- Migrating data
- Sync tool with ArcSDE

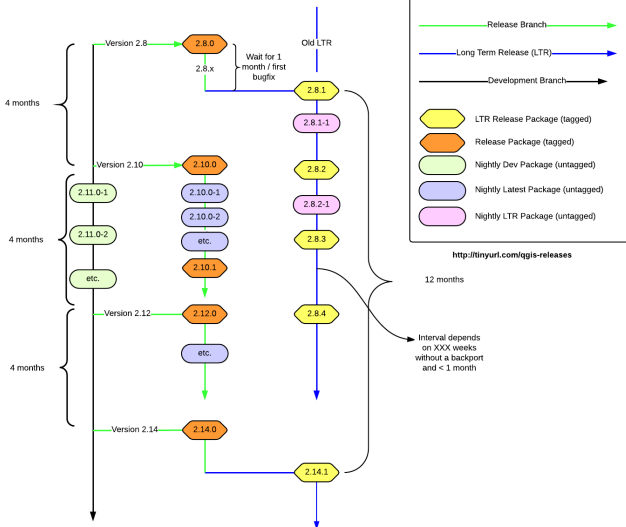
WebGIS and Geoserver

Requirement

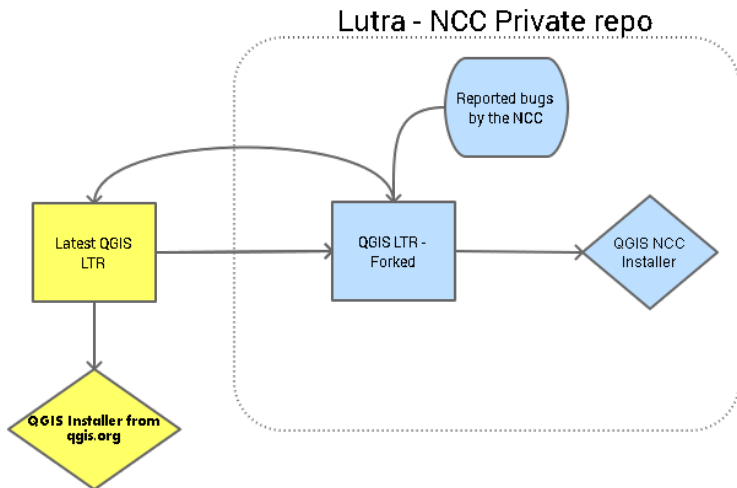
- ▶ General mapping and analysis
- ▶ Basic settings and configurations
- ▶ Print templates
- ▶ Specific tools and plugins
- ▶ Connections to various OGC services
- ▶ Support and training

QGIS installer

QGIS Release Procedure



QGIS installer



Advantages

- ▶ Reported bugs by the NCC get sorted quicker
- ▶ Installer is independent of the main QGIS packages
- ▶ Reported bugs backported to the main QGIS

QGIS installer

Fix crashes when rendering with SVG symbols that are missing

The crashes would happen after some time when browsing the map, especially when size of SVGs is in map units. This was due to wrong removal of deleted cache entries where cache entry key would be different from SVG file's path, thus not removing the entry that got deleted. Now explicitly keeping the lookup key in the entry to make sure this does not happen.

Related issues: #9959, #8883

 master



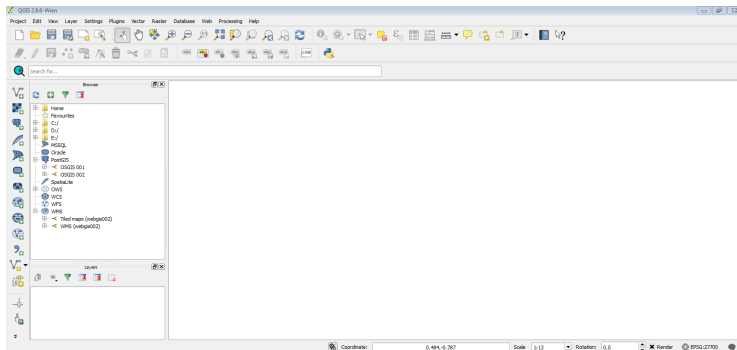
wonder-sk committed on 31 Jul 2015

1 parent [1dfec33](#)

Customisations

- ▶ Default CRS
- ▶ Proxy settings
- ▶ Connection to PostGIS
- ▶ Connection to WM(T)S

QGIS installer



QGIS installer



Newcastle
City Council 

Supported by



Lutra
CONSULTING

Major bugs resolved

- ▶ Active Directory/user permissions to run Processing
- ▶ Issue with 32-bit GDB file

Discovery

- ▶ A QGIS plugin
- ▶ Using address database from PostGIS

Discovery - in action

Training for:

- ▶ New to GIS
- ▶ Existing ESRI users

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Migrating data

- ▶ OS Translator II
- ▶ ogr2ogr scripts

Migrating data

- ▶ Test server
- ▶ Main server
 - ▶ with back-up / restore script

Sync tool with ArcSDE

- ▶ Waiting for ESRI support (1 year!)

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WebGIS and Geoserver

Geoserver



A simple webmap to:

- ▶ Publish select council datasets to the public and council staff
- ▶ Provide a means for staff to self-serve address data

Key features:

- ▶ Find my nearest tool
 - ▶ school(s)
 - ▶ customer service
- ▶ Gazetteer / search
- ▶ Produces printable PDF
- ▶ Download data

Implementation:

- ▶ All running on MS Windows
- ▶ PostGIS
- ▶ Geoserver + Geoserver Printing module
- ▶ Bespoke back-end services for
 - ▶ Find my nearest
 - ▶ Gazetteer
 - ▶ Download
- ▶ OpenLayers3