

# QGIS release overview and roadmap

## Understanding release cycle

- Current releases

- LTR

- 2.x releases

- Past problems

## How to support QGIS (LTR)?

## Future plans

- 2.14 release

- 3.0 release

- Full-time developer

## QGIS Survey

## New features in QGIS 2.12

## Case study

# Why so many versions?

## Download for Windows

Latest release (eg. for New Users):



QGIS Standalone Installer Version 2.12 (32 bit)

md5



QGIS Standalone Installer Version 2.12 (64 bit)

md5



Long term release (eg. for corporate users):



QGIS Standalone Installer Version 2.8 (32 bit)

md5



QGIS Standalone Installer Version 2.8 (64 bit)

md5



For Advanced Users:



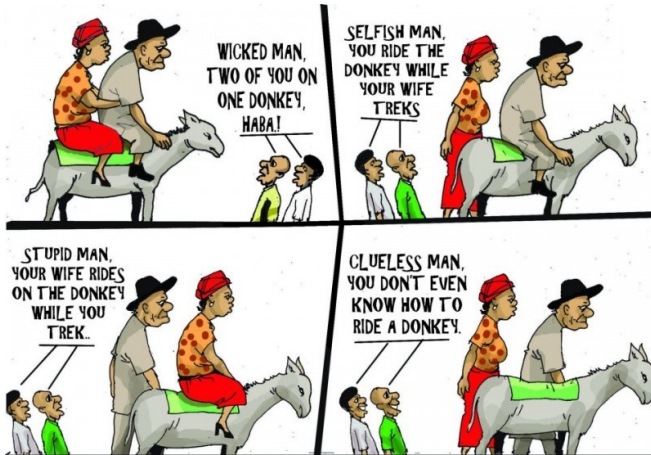
OSGeo4W Network Installer (32 bit)



OSGeo4W Network Installer (64 bit)



# Keeping everyone happy

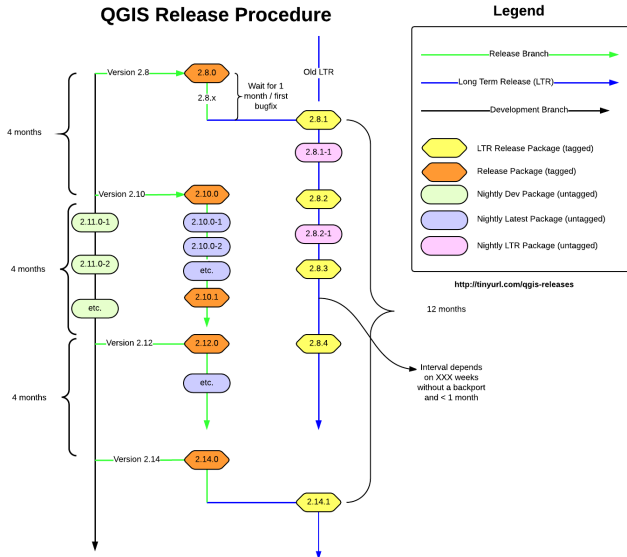


THE PROBLEM WITH GIVING IN TO THE URGE TO PLEASE EVERYBODY

## QGIS versions

- ▶ Development or nightly (DEV)
- ▶ Release (LR)
- ▶ Long Term Release (LTR)

# QGIS release - LTR, LR, DEV



### Suitable for:

- ▶ Core developers
- ▶ Plugin developers
- ▶ Curious about bleeding edge features!

### Suitable for:

- ▶ New users
- ▶ If you want new features without burning down your house!



### Suitable for:

- ▶ Corporate users

## What is LTR?

- ▶ Supported period
- ▶ Software bugs
- ▶ No new features
- ▶ Release cycle

## Why LTR?

- ▶ Reliability
- ▶ Stability
- ▶ Less frequent release cycle

## 2.8 in numbers

- ▶ 4 releases: 2.8.0, 2.8.1, 2.8.2 and 2.8.3
- ▶ 184 bugs closed
- ▶ 630 commits on github since 2.7 feature freeze:
  - ▶ 2.8.0: 325
  - ▶ 2.8.1: +33
  - ▶ 2.8.2: +122
  - ▶ 2.8.3: +150
- ▶ 758734 downloads<sup>a</sup>
  - ▶ 2.8.0: 324
  - ▶ 2.8.1: 363474
  - ▶ 2.8.2: 306721
  - ▶ 2.8.3: 88215

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<sup>a</sup>Windows stand-alone installer only

## Why NOT LTR?

- ▶ Users
  - ▶ New features
- ▶ Developers
  - ▶ Extra cost
  - ▶ Extra resources
  - ▶ Adding features is more fun!

## QGIS 2.x releases

### Release early, release often

- ▶ 3 moths of development
- ▶ 1 month of bug fix

QGIS release	Date
2.0 <sup>1</sup>	September 2013
2.2	February 2014
2.4	June 2014
2.6 <sup>2</sup>	November 2014
<b>2.8</b>	<b>February 2015</b>
2.10	June 2015
2.12	October 2015
<i>2.14</i>	<i>February 2016</i>

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<sup>1</sup>To coincide with FOSS4G in Nottingham

<sup>2</sup>Delayed by a week

## QGIS release - problems

### Less reliable software:

- ▶ Bug reporting participation
- ▶ Planned releasing
- ▶ Regressions and blockers

QGIS release	No. of bugs closed
2.0 <sup>3</sup>	1075
2.2	71
2.4	191
2.6	100
2.8 <sup>4</sup>	184

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<sup>3</sup>Change of API

<sup>4</sup>Sum of 2.8.x releases

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## How to support QGIS (LTR)?

### You can:

- ▶ Sponsor bug fixing
  - ▶ Donation to QGIS
  - ▶ Contracting QGIS developer(s)

# How to support QGIS (LTR)?



## QGIS.org - Financial Report for 2014

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The reporting period starts on **July 8, 2014**, when QGIS.org obtained its own bank account. Prior to this date, the Swiss QGIS user group handled the finances of qgis.org, with separate accounting. The currency of all items is Euro (€).

### Balance sheet

Account balance on July 8, 2014:	20'719.71
Account balance on December 31 2014:	18'317.79

### Income (period 2014-07-08 to 2014-12-31):

Direct donations (wire transfer):	2'875.84
PayPal donations (includes three bronze sponsorships):	10'889.13
Sponsoring:	10'000.00
Other:	5'008.66
<b>Total Income:</b>	<b>28'773.63</b>

### Expenses (period 2014-07-08 to 2014-12-31)

Paid bug fixing and QA:	20'120.69
Expenses developer meeting:	10'990.09
Other expenses:	64.76
<b>Total Expenses:</b>	<b>31'175.54</b>

# How to support QGIS (LTR)?


## Fix crashes when rendering with SVG symbols that are missing

[Browse files](#)

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 (#1)

 wonder-sk authored on 31 Jul

1 parent 1dfec33 commit febadfe21bb1eb5639d5a90d52f845415b31fb7b

Showing 3 changed files with 14 additions and 5 deletions.

[Unified](#)[Split](#)

6 python/core/symbolology-ng/qgssvgcache.sip

[View](#)

```
@@ -14,11 +14,15 @@ class QgsSvgCacheEntry
    14         * @param rasterScalefactor raster scale factor
    15         * @param fill color of fill
```

# How to support QGIS (LTR)?

## You can:

- ▶ Participate
  - ▶ Testing
    - ▶ Run multiple QGIS versions
    - ▶ Test previous bugs
    - ▶ Try new features
    - ▶ Help with other reported bugs
  - ▶ Filing bugs  
(<https://hub.qgis.org/projects/quantum-gis/issues>):
    - ▶ Step-by-step guide to reproduce your bug
    - ▶ Follow-ups
    - ▶ Provide test data

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### QGIS 2.14 release

- ▶ Preparing the code base for QGIS 3.0
- ▶ Bug fixing
- ▶ Some new features

### QGIS 3.0

- ▶ Support for QT5
- ▶ Upgrade to Python 3
- ▶ Change of API

## Future plans

### Full time QGIS developer

- ▶ Raising £100k



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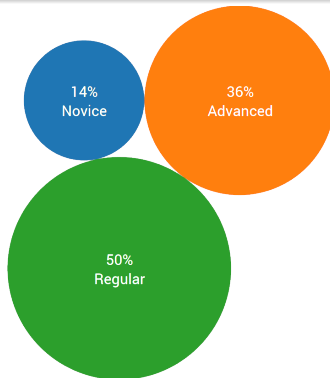
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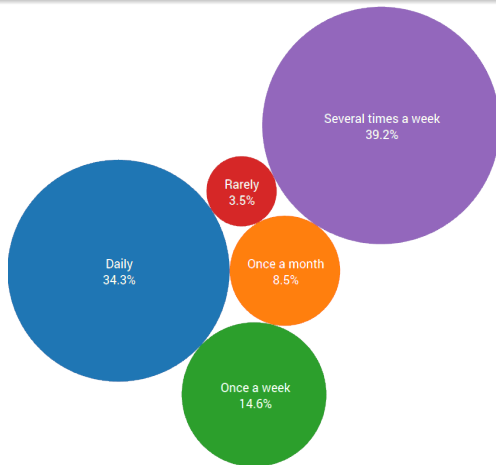
# QGIS survey results

## User proficiency



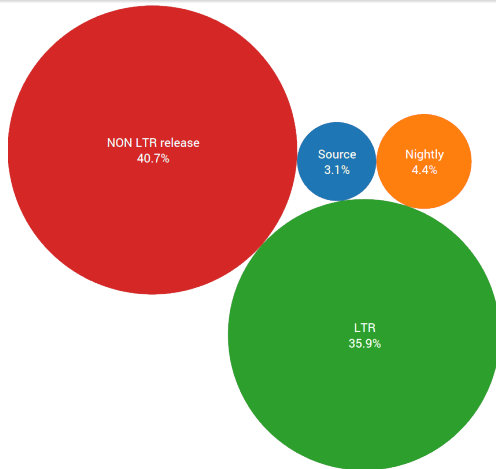
# QGIS survey results

## Frequency of use



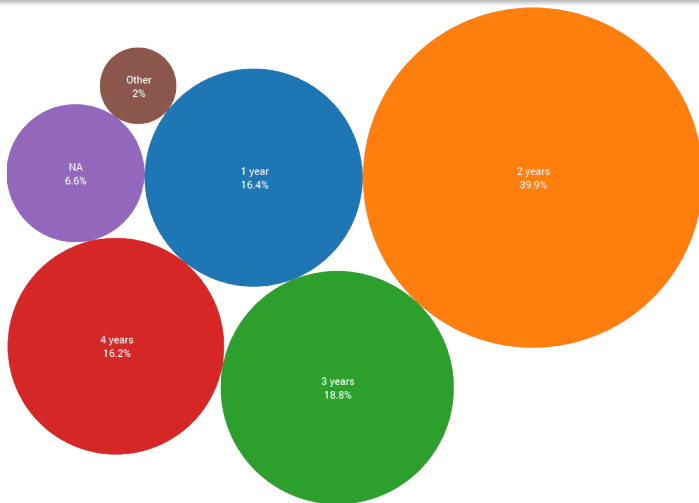
# QGIS survey results

## Which version



# QGIS survey results

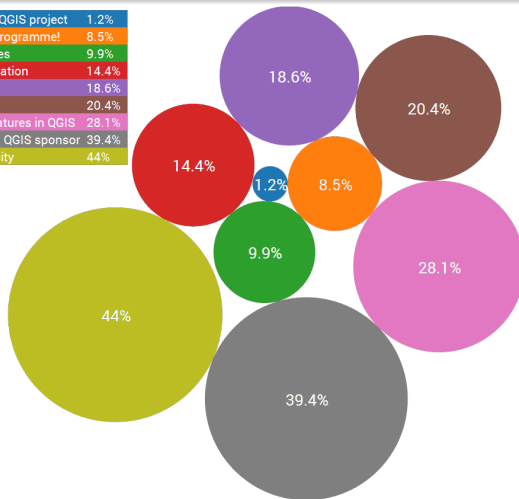
## Support period for the LTR



# QGIS survey results

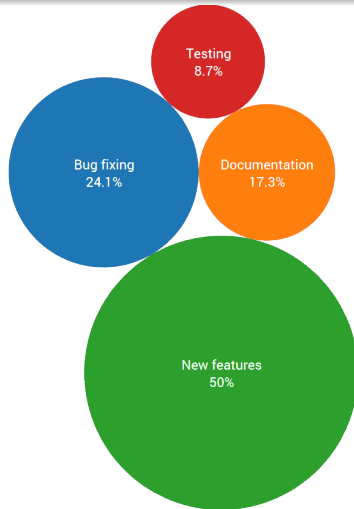
## Supporting QGIS project

I do not think it is important to donate to the QGIS project	1.2%
I was not aware that QGIS had a donations programme!	8.5%
I would donate to support Long Term Releases	9.9%
I would donate to QGIS to improve documentation	14.4%
I am not able to donate to the QGIS project	18.6%
I would donate to fix bugs in QGIS	20.4%
I would donate to support adding missing features in QGIS	28.1%
I would encourage my company to become a QGIS sponsor	39.4%
I would donate to QGIS in my personal capacity	44%



# QGIS survey results

## Allocation of QGIS budget



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### Label engine enhancement

- ▶ Rule-based labelling
- ▶ Better positioning of labels
- ▶ Advanced displaying options
- ▶ Prioritisation of labels

### Analysis

- ▶ Raster alignment tool
- ▶ Geometry checker

### Other major improvements

- ▶ GRASS integration
- ▶ Map composer
- ▶ Encrypted password management
- ▶ Mutually exclusive layer for groups in layer tree
- ▶ See full list

here: <http://www.qgis.org/en/site/forusers/visualchangelog212/>

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## Custom installer

- ▶ Pre-configured with data/services
- ▶ Includes templates (print composers, styles, etc.)
- ▶ Directly compiled from LTR source on github
- ▶ Plugin configuration
- ▶ GUI configuration

