



KDE Apps Initiative

Carl Schwan

08.09.2024 | Würzburg | Akademy Be Free. KDE 



KDE Apps Ecosystem

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About me

Carl Schwan

- KDE contributors since 2018
- Involved in NeoChat, Tokodon, Merkuro, Calligra, Kontrast, Koko, Arianna and many other KDE applications
- Maintainer of Kirigami Addons, apps.kde.org





Application Ecosystem

- Inspired by natural ecosystem
- Symbiosis
- Scalability
- Sustainability
- Collaboration and competition
- Interoperability
- Integration





High Level Goals

- Close features gap with proprietary app ecosystems
- Increase the number of applications designed for Plasma/Plasma Mobile
- Increase the number of contributors
- Increase the number of users of KDE applications on all platforms
- Increase adoption of Qt and KDE Frameworks



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High Level Goals

- Improve existing applications
- Revive past applications
- Every new applications improve our shared components

=> Growth of the KDE project



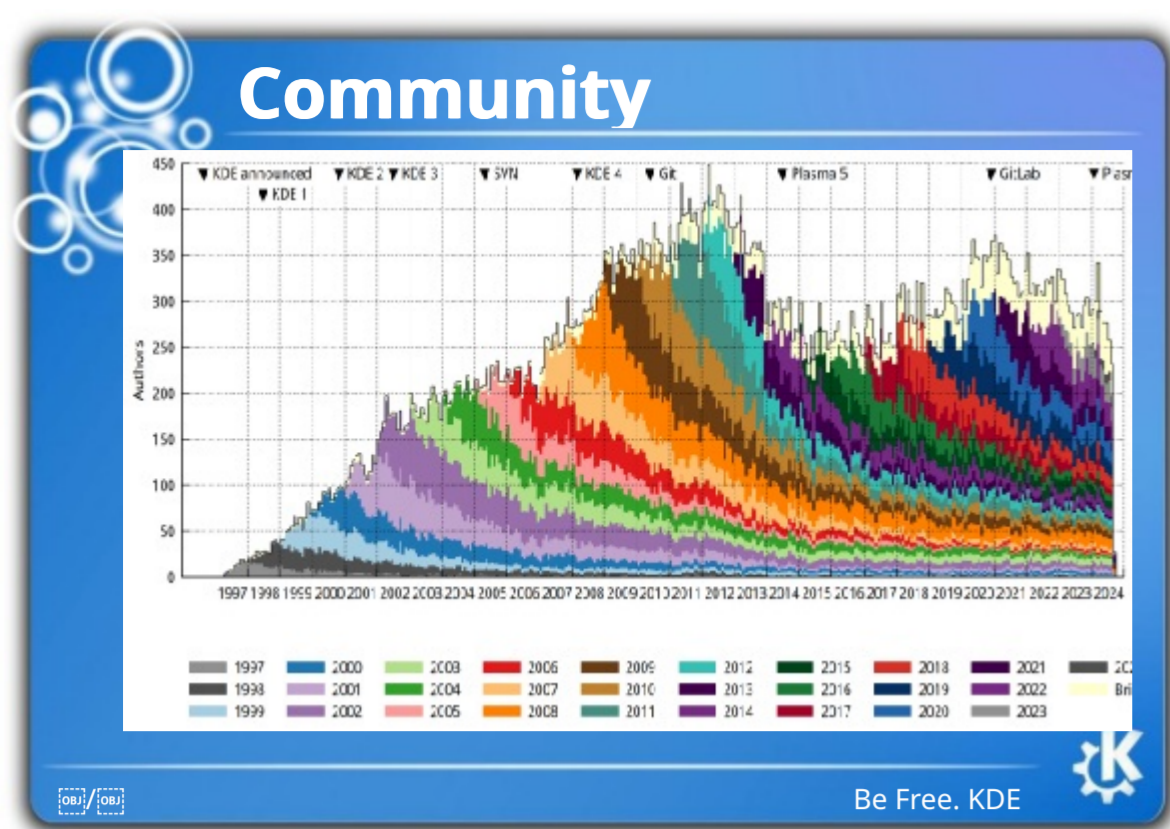


Current state

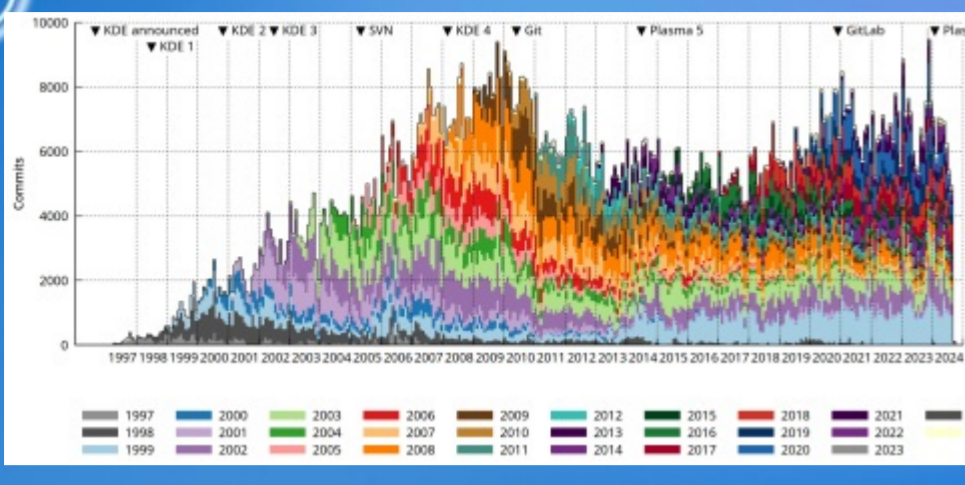
- Over 200 first party applications
- Over 80-70 frameworks
- Good state of adoption of Qt6/KF6

- Only very little third party applications
- Maintenance level varies for each app





Community



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Widgets vs Quick

- Both have their place
- qqc2-deskop-style fixes most of the styling issues today
- QtQuick is essential for mobile
- Kirigami Addons fills a lot of the gaps for desktop app (command bar, shortcuts editor, ...) while actually working on mobile (e.g. formcards, ...)





CI/CD

```
dependencies:
- name: [ubuntu/20.04, freebsd/20.04, windows/2019, macOS/21.1]
  provider:
- framework/contrib-build-utilities: [latest-64]
- framework/contrib-boards: [latest-64]
- framework/contrib: [latest-64]
- framework/conda: [latest-64]
- framework/contrib-boards: [latest-64]
- framework/contrib: [latest-64]
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- framework/contrib: [latest-64]
```



CI/CD

Fix keyframe param not correctly enabled on first keyframe click

Albert Astala Cid created pipeline for commit [9155551](#) 1 day ago, finished 1 day ago

For [master](#)

40/10 jobs 120 minutes 0 seconds, queued for 20 seconds

Pipeline Needs Jobs Tests

build	deploy
<input checked="" type="checkbox"/> freebsd14_q857	<input checked="" type="checkbox"/> craft_appimage_q85_x86_64
<input checked="" type="checkbox"/> json-validation	<input checked="" type="checkbox"/> craft_macos_q85_arm64
<input checked="" type="checkbox"/> rusage	<input checked="" type="checkbox"/> craft_macos_q85_x86_64
<input checked="" type="checkbox"/> suite_bundled_q857	<input checked="" type="checkbox"/> craft_windows_q85_mingw64
<input checked="" type="checkbox"/> xml	<input checked="" type="checkbox"/> flarpack

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Release Tooling

- Increasing amount of application making use of it
- More unification? BoF Monday 16h Room 2
- Automatic Flathub release





Translation Tooling

- SVN based
- Mailing list based contribution workflow



Translation Tooling

The screenshot shows a web browser window displaying the KDE website. The page title is "Translation Tooling". The content is organized into two columns. The left column, titled "Original", contains text about the KDE project's history and goals. The right column, titled "Translated", contains the same text in a different language. The browser's address bar shows the URL "http://www.kde.org". At the bottom of the browser window, there is a blue bar with the text "Be Free. KDE" and a gear icon.

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User Documentation

- DocBook/XML based
- Wikis



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User Documentation

KDE Documentation

Welcome

Welcome to the KDE documentation site. This page holds the complete KDE User Documentation in over 25 languages. Thanks to the enormous efforts by our documentation and translation teams you can access thousands of pages of documentation.

Before you start searching the library or asking questions on the mailing lists, there is a good chance your answer is already in the KDE UserBase or the KDE Community Forums. They have a helpful in the right member, where you have full access to them.

If you are looking for developer documentation, the KDE TechWiki is the place where you get what you are looking for.

Navigation

There are two members on the site. The left one allows you to navigate through the available KDE packages, languages and versions. The right member holds questions to KDE UserBase and the KDE Community Forums, and allows you to search the complete documentation in all languages.

Select the language, the version of KDE and the package, the application you want to do. For new and the stable and the development versions of the documentation are available.

Other Information

The documentation for KDE Enterprise applications is only available in the development section.

System Settings/KControl documentation gets separate home. KDE 4 is very big and most

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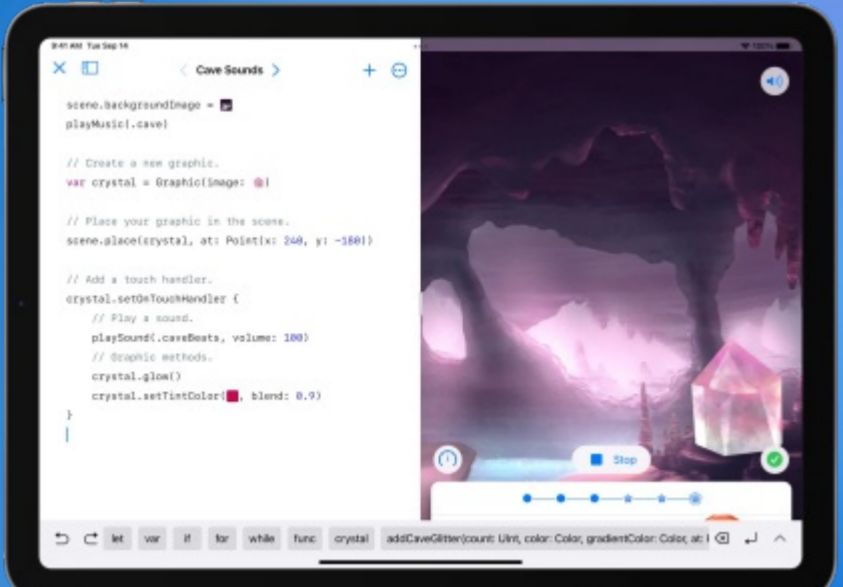
Developer Tooling

- Kate
- KDevelop
- Clazy
- kdesrc-build
- Craft
- Heaptrack
- ELF Inspector
- Kommit
- Kompare
- Codevis
- KAppTemplate
- Accessibility Inspector
- (GammaRay)
- (Hotspot)





Kirigami Playground?



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Bindings

- Rust
- C++, Rust and Qt (Joshua Goins)
- cxx-kde-frameworks (Darshan Phaldesai)
- Python
- Pythonizing Qt (Cristián Maureira-Fredes)
- GSoC project from Manuel Alcaraz Zambrano
- Other languages to consider? C#? Swift?



Developer Outreach



KDE for Developers
For Developers Using KDE Applications.

<https://kde.org/for/developers/>

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The image shows a browser window with a blue header containing the text 'Developer Outreach'. The main content area displays 'KDE for Developers' and 'For Developers Using KDE Applications.' Below this is a URL: 'https://kde.org/for/developers/'. At the bottom right, there is a KDE logo and the slogan 'Be Free. KDE'. The background of the browser window shows a blurred image of code.

Developer Outreach



The screenshot shows the KDE Developer Platform website. At the top left, there are navigation links for 'Documentation', 'API', and 'KDE Human Interface Guidelines'. The main header features the KDE logo and the text 'KDE Developer Platform' with the tagline 'Design, build and distribute beautiful, usable applications with KDE technologies.' Below this, there are three main sections: 'Design' (Learn about KDE's design guidelines for apps and icons), 'Develop' (Check out the tools and libraries that help you build KDE apps), and 'Distribute' (Get your application in front of users). The footer includes the KDE logo and the slogan 'Be Free. KDE'.

Documentation API KDE Human Interface Guidelines

KDE Developer Platform

Design, build and distribute beautiful, usable applications with KDE technologies.

- Design**
Learn about KDE's design guidelines for apps and icons
- Develop**
Check out the tools and libraries that help you build KDE apps
- Distribute**
Get your application in front of users

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Developer Outreach



Carl Schwan

KDE Developer, Web and
OEM Developer

- Home
- Projects
- Contact
- Activities
- Search

ConfigurationView

The current way to create a settings page in your application is to use `QCategorySettings`, with it was based on `Kirigami::PageView` which was then either pushed on a layer on mobile or to a separate unreliable in practice as `Kirigami::PageView` is a visual element.

The new `ConfigurationView` is based on a plain non-visual `QObject` with for the moment two base classes:

- One for mobile which looks similar to the Plasma Settings application of Plasma Mobile.
- One for desktop which looks similar to the System Settings application of Plasma Desktop.

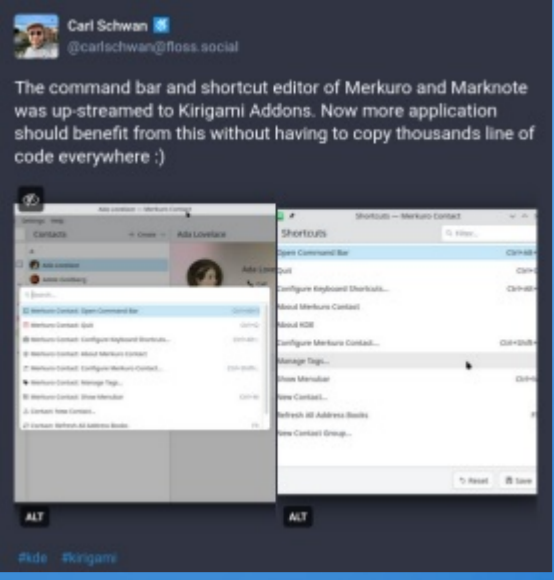
The API is almost the same as the previous `CategorizedSettings` which made porting quite easy. Here is an example:

```
import QtQuick.Controls as Controls
import org.kde.kirigami.settings as KirigamiSettings

Controls.Button {
    id: button
    KirigamiSettings.ConfigurationView {
```



Developer Outreach



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Third party app program

- Similar to GNOME Circle
- Name?
- Process?
- Third party application on invent?



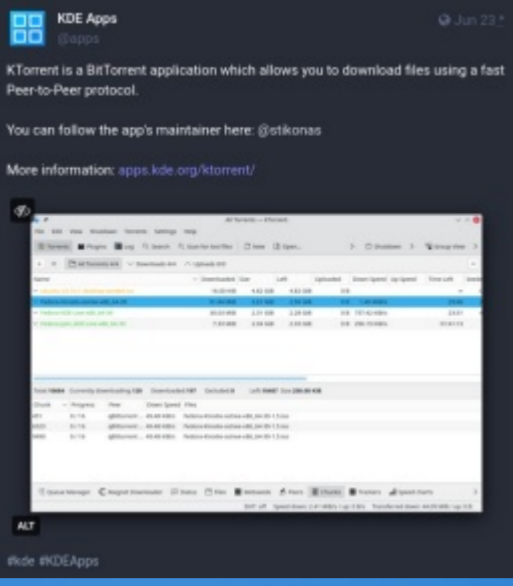


User Outreach

- More weekly news about applications
- Blog (e.g. This week in KDE apps)?
- Social media?
- Both?



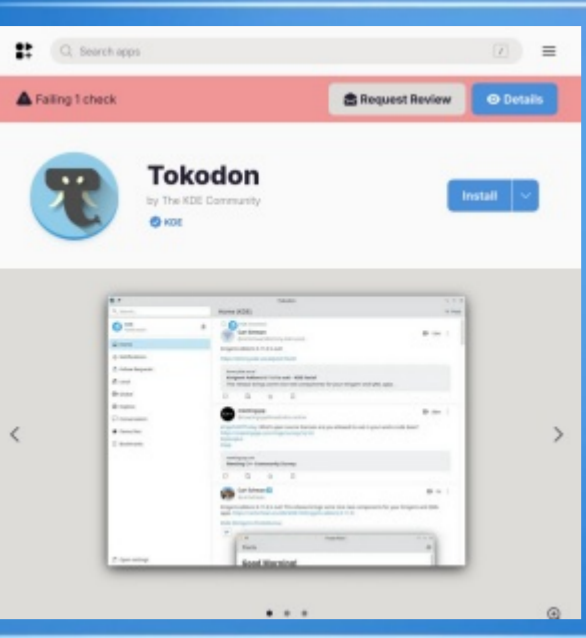
User Outreach



@apps@kde.social



User Outreach



The screenshot displays the Tokodon application interface. At the top, there is a search bar and navigation tabs for 'Following', 'Request Review', and 'Create'. Below this is the profile of a user named 'Tokodon'. The main content area shows a list of posts, with the first one featuring a screenshot of a software interface. The interface is presented in a light blue theme with a dark blue header and footer.


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Use Our Own applications



- Dolphin?
- Falkon or Angelfish?
- KMail or Merkuro?
- Calligra?
- Plasma Mobile?





KDE Goals

- Related to all the previous goals

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Contact

- Email: carl@carlschwan.eu
- Matrix: [@carl:kde.org](https://matrix.to/#/!carl:kde.org)
- Mastodon: [@carlschwan@floss.social](https://floss.social/@carlschwan)

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