

COMMUNITY REPORT

4TH QUARTER 2014 | ISSUE 30



WELCOME MESSAGE

Another year is about to finish and that's the 18th in the long history of the KDE community. We grew up from a desktop-centered community focused on developing software, passed through the adolescence of user experience, to a community now devoted to offering software freedom through high quality technology and infrastructure, for users and developers alike.

We started to care even more about people, cultivating our "sense of belonging" and striving to keep growing as a healthy community where newcomers, veterans, and sporadic contributors live in harmony.

2014 was a year of many results for KDE. We had an amazing Google Summer of Code, with 39 students from all over the world doing awesome work in all sorts of KDE

projects. 12 sprints were undertaken by teams like KDE PIM, digiKam, Calligra, Krita, Okular, KDE Frameworks, Telepathy, Kate, KDevelop and Plasma, in addition to the traditional multi-sprint Randa Meetings.

This report describes the major KDE activities undertaken during the 4th quarter of 2014. It starts with a showcase of the major contributions students did in a number of KDE technologies as part of Google Summer of Code 2014.

Then, an overview of the sprints for the quarter is presented. The report concludes by presenting an overview of sysadmin activities, the finances for 2014, and the new members who joined KDE e.V.

Sandro Andrade
for the KDE e.V. Board of Directors

CONTENTS

Welcome Message	1
Featured Article: KDE at Google Summer of Code	2
Supported Member Activities	4 - 5
New Members, Financial Report and KDE e.V. Board	6

Featured Article

KDE AT GOOGLE SUMMER OF CODE 2014

By Sandro Andrade

Google Summer of Code and KDE: a long and fruitful partnership

KDE has been participating in Google Summer of Code (GSoC) since 2005. Since then, 389 students have already made their raid into the wonderful world of Free Software and KDE technology. We increased from a modest number of 13 students in GSoC 2005, reaching a peak of 59 students in GSoC 2012, and 39 young FLOSS lovers have already made their amazing contributions to KDE technology this year.

What did they accomplish this year?

The GSoC 2014 KDE projects focused on new features for KDE Applications (Marble, Parley, Kig, Plasma Media Center, Artikulate, Kanagram, Calligra, KDevelop, digiKam, Krita, KStars); porting to KDE Frameworks 5 (KDE Games, Plasma Media Center, Plasmate); and improvements in KDE infrastructure (KDE reports web application).

KDevPlatform and KDevelop were the focus of four GSoC 2014 projects. Giorgos Tsiapaliokas worked on the port of Plasmate to KDevPlatform and Kevin Funk did the required improvements for production-ready Clang integration in KDevelop. Sergey Kalinichev implemented the handling of included directories/files and defined macros, while steckdenis worked on leveraging QML/JS support in KDevelop.

KDE Plasma also received a lot of new improvements in GSoC 2014.

Ashish Madeti integrated Plasma Media Center with Simon to make navigation easier and Bhushan Shah worked on the integration of Plasma Media Center with Plasma Next, while still porting it to KDE Frameworks 5 and Qt 5. Ivan Čukić brought activities to a new level, making them truly useful and properly integrated with the environment. Antonis Tsiapaliokas did the port of Plasma Active Shell to libplasma2 and QML2 and nikhatzi added DVB support to Plasma Media Center.

Of course, we love games and KDE GSoCers do as well. Abhinav Gangwar developed a new game based on Marble, which helps children learn geography, while Anuj Pahuja worked on porting several KDE Games to KDE Frameworks 5. Claudio Desideri did the port of Gluon Player to Qt 5 and enhanced it with a real-time chat.

Six GSoC 2014 students worked on KDE Edu Suite – our collection of applications related to education for children and adults, students and teachers. Amarvir Singh implemented the semi-automatic generation of language lessons for

Parley, while Aniket Anvit added support for Geogebra files in Kig. Avik Pal developed some features for sound visualization and sound effects in Artikulate. Debjit Mondal implemented some advanced features in Kanagram. Percy Aucahuasi improved the KDE-Edu / Analitza math library. Finally, Vijay Dhameliya implemented the astrophotographs browser in KStars.

The KDE digiKam features for digital photo management were leveraged by the work of three GSoC students. Mohamed Anwer implemented a quick access to colors and labels. Shourya Gupta integrated KIPi export plugins directly into digiKam's Batch Queue Manager (BQM), while Veaceslav Munteanu did the integration with gmic – a library with a lot of image processing algorithms.

Three students worked on Krita. Mohit Goyal improved the brush modules, Somsubhra Bairi made the Krita's animation features usable, and Spencer Brown worked on Krita's features for material painting and preview rendering.

Advanced features and enhancements for Kanagram – by Debjit Mondal



Various existing activities in GCompris were ported to Qt Quick, with improvements in both design and logic. Bharath M S did that port, as depicted in GCompris' football activity below.

A number of other KDE technologies were also the focus of GSoC 2014 projects. Alexandr Akulich worked on the Telegram network support for KDE Telepathy, while Ziemin implemented features for Off-the-Record support. Ahmed AbouElhamayed improved some features of the KDE Reports web application. Abhijeet Nikam implemented the API and recreated the UI for Active Mail's composer. Bhaskar Kandiyal worked on the Akonadi commandline/shells scripting interface.

Marble was improved with Calin Cruceru's work on the editing mode for polygons and Sanjiban Bairagya's interactive tours feature. David Rosca created a new asynchronous Qt Bluez wrapper library. Denis Kuplyakov

implemented an outliner for Calligra Author. Harshita Mistry added support for importing tables from LibreOffice Base to Kexi. Karan Luthra added a new SMTP Layer integrated with Trojita's Streams Layer, while Stephan Platz added cryptography support.

Nilesh Suthar created an address book application based on KPeople. Rupanjana Mitra worked on Calligra Sheets. Vedant Agarwala improved the lyrics support in Amarok. Wenchao Li developed a Calligra plugin for drawing variable thickness lines. Finally, Yang Qiao implemented the KDE Solid integration for the iOS platform.

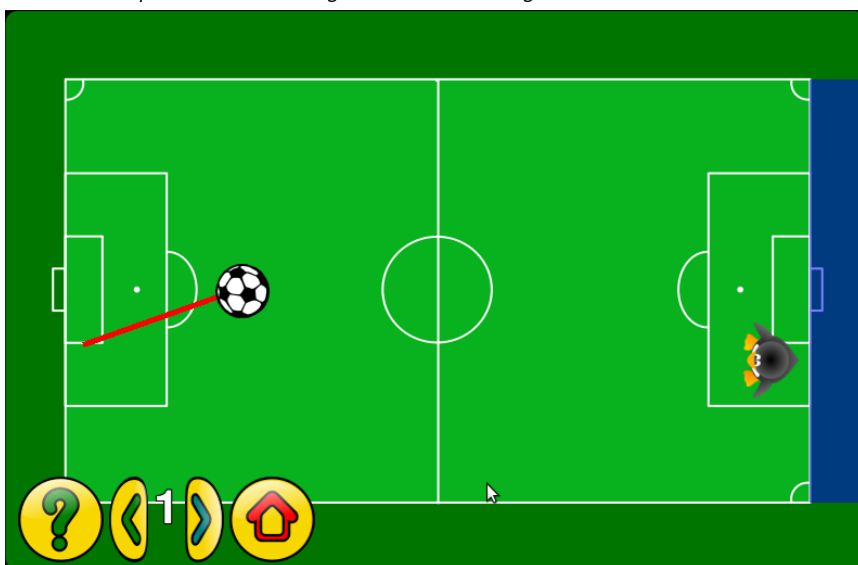
What's next?

Well, as you can see, a lot of work has been accomplished by KDE's participation in Google Summer of Code 2014. This endeavor is indeed a quite fruitful opportunity for newcomers to fully experience joining a large, dynamic, and thriving FLOSS community.

As a result, many of them keep working on their way towards mastering free software contribution after the GSoC period ends. Many of them are going to attend Akademy and other sprints organized by KDE. Some of them become mentors in the next editions of GSoC and that's the aftermath we expect by thinking about GSoC as an utmost important FLOSS program, which indeed brings potential benefits to both KDE as a community and students as future FLOSS evangelists.

Keep watching! We also have our beloved own program - The Season of KDE. But that is another story :).

Port of GCompris' football activity to Qt Quick 2 - by Bharath M S



SUPPORTED MEMBER ACTIVITIES

Developer Sprints

DIGIKAM CODING SPRINT

BERLIN, GERMANY

14-16 November 2014



After nearly three years since the last digiKam sprint, six contributors from one of the most mature KDE applications had the chance to meet again at Digiá's office in Berlin, between November 14th and 16th, 2014.

The sprint focused mostly on porting digiKam to Qt 5, specifying a timeline, assigning porting priorities to features, and delegating tasks to developers. The discussion also included the KIPI plugins, where unmaintained ones were identified and therefore left out of the porting task. Moving to KDE Frameworks 5 as an opportunity to integrate binary incompatible and architectural changes was also considered.

Shourya Singh Gupta did the API changes which allowed the use of KIPI tools functionality in the Batch Queue Manager. A generic way to adjust plugins' settings from the user-interface was also implemented. Marcel Wiesweg fixed several reported memory leaks and worked on memory consumption problems with database functionalities. He also finished the implementation of Removable Collection - a feature which supports disconnected operations (e.g.: search and preview with thumbnails), without accessing the actual media source.

Gilles Caulier did the required changes in some digiKam's libraries in order to reduce binary compatibility issues. Veaceslav Munteanu worked on porting a digiKam library based on KDE Platforms 4 to the new KDE



The KDE digiKam team at Digiá's office during the Berlin sprint.

Frameworks 5's ThreadWeaver implementation.

Teemu Ryttilahti fixed some crashes and presented his plans for cleaning up the codebase, improving cmake files, and moving misplaced source files. Dmitri Popov advocated the idea of having digiKam less dependent on Plasma Desktop, wrapping specific features as optional when possible. That would make digiKam more usable elsewhere.

(KMail Mobile). The long-term goals which support the major planned features and changes for Akonadi Framework and PIM architectures were analyzed.

Another topic was the discussion about how to split up PIM repositories for KDE Frameworks 5 compliance, along with decisions regarding options for the KDE PIM release schedule. A major refactoring in KDE PIM's async library was also considered.

PIM WINTER SPRINT

MUNICH, GERMANY

21-23 November 2014



The LiMux's office in Munich was the venue for the 2014 KDE PIM Winter Sprint. Twelve KDE contributors met from 21st to 23rd November and discussed the future of Kontact (the marketing name of KDE's Personal Information Manager suite)

Based on feedback from actual users of the KDE PIM deployment in the city of Munich, several user stories and scenarios for enabling user-centered design were investigated by KDE developers and the KDE Visual Design Group. The participants also discussed the QML APIs for PIM-related features and the future of Active Mail

Also an important outcome of the PIM Winter Sprint was the development of the project vision for KDE PIM. A vision describes the goal of the project, explains who will use the product, and how he or she will take advantage of it.

That's what the participants came up with as the KDE PIM framework vision: "*The KDE PIM Framework allows to easily create personal information management applications ranging from personal to large enterprise use, for any target device and major platform. It seamlessly integrates data from multiple sources, while aiming to be rock-solid and lightning-fast. The PIM framework focuses on supporting open groupware servers like Kolab, but can be extended to access information from various sources*".

SUPPORTED MEMBER ACTIVITIES



KDE PIM winter sprinter: user-centered design, porting to KDE Frameworks 5, and beyond.

KDE e.V. BOARD WINTER MEETING

BARCELONA, SPAIN

6-8 December 2014



The KDE e.V. Board keeps a continuous workflow by doing bi-weekly calls to discuss major subjects related to the KDE community. In spite of that, in-person meetings are well-known to be quite effective in handling long-term goals and most tricky topics. From 6th to 8th December, 2014, the KDE e.V. Board met in Barcelona, Spain. Discussed topics included: the hiring of the KDE e.V. Executive Director, accounting, Akademy 2015, new plans for the e.V.'s organizational structure, fundraising approaches, analysis of metrics regarding KDE and KDE e.V., KDE e.V. membership, and the KDE Community Partnership.

As for the hiring of an Executive Director, the board evaluated the job advert, discussed budget impacts, and the tasks the Executive Director is expected to be involved with. Plans for making accounting more electronic-based were considered, in an attempt to support a more collaborative handling of that by the board members. The board also worked on the plans, sponsorship ideas,

and potential partners for making Akademy 2015 happen. Fundraising has been improved by learning from experiences with bitcoin donations, polishing KDE donation pages, improving PayPal integration, and setting yearly fundraising goals.

The board also talked about the KDE and KDE e.V. metrics already in place, needed improvements, and intended goals. Actions for having new contributors involved in KDE e.V. and leveraging the KDE Community Partnership Program were also discussed.

Trade Shows and Community Events

QT DEVELOPER DAYS 2014

BERLIN, GERMANY

6-8 October 2014

Qt Developer Days is the most important forum for Qt users to become informed about topics ranging from embedded systems and 3D graphics to Qt support for cloud computing applications. KDE contributors were at the Europe Edition of Qt Developer Days 2014 with a booth showing off the newest KDE technology, an entirely KDE-dedicated hacking room, and – of course – some talks related to KDE's use of Qt technology. David Faure was the KDE representative in the "Contributing to Qt" panel while Aleix Pol talked, in the sponsors showcase, about the impact KDE has on the Qt Community as well as on other Open Source and technological communities.

KDE hacking room at Qt Developer Days 2014 in Berlin.



Sysadmin Report

Created 29 contributor accounts
Disabled 3 contributor accounts

Created 2 kdemail.net aliases
Created 3 kde.org aliases
Modified 1 kdemail.net alias
Modified 2 kde.org aliases

Created 10 kde.org mailing-lists:
kde-distro-packagers
gcompris-france
krecipes-devel
kde-security-preannounce
conf2015-team
kexi-bugs
gcompris-devel
kdenlive
gcompris-portugues
bangarang

Disabled 3 kde.org mailing-lists:
kbabel
kde-packager
nepomuk

Finances for 2014

INCOME (€):

Akademy:	24,864.37
Donations:	87,136.18
Corporate Supporters:	25,406.73
Individual Supportive Membership Program:	7,679.50
Others:	2,474.51
Total:	147,561.29

EXPENSES (€):

Akademy, sprints, and meetings:	54,574.87
Personnel:	11,524.05
Administration/Office:	35,542.64
Legal/Accounting:	21,008.57
Other expenses:	166.20
Total:	122,816.33

New Members

KDE e.V. is happy to welcome the following new members:

- Bhushan Narendra Shah
- Cristian Onet
- Kai Uwe Broulik
- Nicolás Alvarez
- Sinny Kumari
- Vincent Pinon

Financial Support

If as a company or individual you are interested in providing financial support to the KDE community on a continuing basis, please visit the Supporting Members page on the KDE e.V. website,
<http://ev.kde.org/getinvolved/supporting-members.php>

KDE E.V. BOARD

Lydia Pintscher - President
<lydia@kde.org>

Aleix Pol - Vice President
<aleixpol@kde.org>

Marta Rybczyńska - Treasurer
<marta.rybczynska@kde.org>

Pradepto Bhattacharya - Board Member
<pradepto@kde.org>

Albert Astals Cid - Board Member
<aacid@kde.org>

Report prepared by:

Sandro Andrade

Thanks to the other KDE members and supporters who contributed to this report.

This report is published by KDE e.V., copyright 2015, and licensed under Creative Commons-BY-3.0 (creativecommons.org/licenses/)