

The Document Foundation

2014 Annual Report



Welcome



This year 2014 in LibreOffice / Document Foundation land has passed for me almost in the blink of an eye. It is a welcome opportunity now to look back at it with a bit more leisure, in the form of this annual report.

When I took over the chairman role from Florian Effenberger in February 2014, I was already in a truly volunteer capacity, with my day job being still exciting FLOSS, but no longer LibreOffice. That gave me a renewed perspective on spare time contribution, something that TDF relies upon heavily for the majority of our tasks. The following pages will only provide glimpses and snapshots of the energy and shaping involved, but even that shows a stunning picture of what thousands of volunteers are able to pull off in concert - from QA to development, from documentation to translation, from marketing to conference organization, from design & user experience to system administration & websites.

That is not to say TDF wouldn't be blessed with a small, but very focused and effective team of paid staff, led by Florian, who silently, diligently, and effectively run an organization spanning the world. I am deeply grateful for their work, made possible by our very many, and very generous donors. Without them, TDF couldn't exist in its current form, as they enable and amplify volunteer work.

And let's not forget our contributors employed by ecosystem participants either, first and foremost those represented in the Advisory Board - many of them working day & night to mentor volunteers, straighten out code they feel strongly for, and fixing community bug reports because they care.

I'm therefore honored, and humbled, to be part of that amazing organization, and invite you to take your time to read up on one year's worth of selected community highlights. I'm positive it will be as inspiring to you as it is for me, and if you haven't done so yet - we would more than welcome **your** contribution!

*Sincerely,
Thorsten Behrens
Chairman of the Board*



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TDF in 2014

Being in its third year after incorporation, TDF has seen an exciting year 2014, with lots of activities, developments and achievements which this report aims to share with you

2014 has been a milestone year for The Document Foundation, for a number of reasons:

- (1) a new Board of Directors, with a combination of project founders and second generation members, a full time Executive Director and a number of staff members;
- (2) the announcement of the Document Liberation project, to complement LibreOffice and develop and maintain import filters for the open source ecosystem;
- (3) the new Membership Committee, also with a mix of founders and second generation members.

The new Board of Directors of The Document Foundation is officially in charge since February 18, 2014. Elected as members, in order of votes, are: Thorsten Behrens, Eliane Domingos de Sousa, Michael Meeks, Fridrich Štrba, Adam Fyne, Joel Madero and Björn Michaelsen. Elected as deputies, in order of votes, are: Andreas Mantke, Eike Rathke and Norbert Thiebaud.

During the first meeting, the board has elected Thorsten Behrens as Chairman and Eliane Domingos de Sousa as Deputy Chairman. In addition, Florian Effenberger has been promoted to Executive Director, with the responsibility of helping the Board of Directors to coordinate and control the foundation activities.

Staff members are: Sophie Gautier (administration, QA, localization and certification), Christian Lohmaier

(release engineering and infrastructure), Alexander Werner (infrastructure), Robinson Tryon (QA and release engineering) and Italo Vignoli (certification).

In March, during CeBIT, LibreOffice has received for the third year in a row the Innovations Preis IT 2014 for the category Open Source, awarded by Initiative Mittelstand.

In late March, TDF has supported the Document Freedom Day, a day for the global celebration of information accessibility and open standards organized by the Free Software Foundation.

In early April, The Document Foundation has announced the birth of the Document Liberation Project, a home for the growing community of hackers developing import filters for proprietary file formats, to free personal computer users from the lock-in of contents. Together, these hackers offer a path to standard file formats to users who have their personal digital contents stored in an outdated and inaccessible file format.

In mid July, the UK government has announced the selection of the Open Document Format (ODF) as the reference format for all documents exchanged

within and with the public administration, following a public consultation where The Document Foundation has been one of the leading providers of information on the advantages of ODF and the disadvantages of OOXML.

In early August, ITOMIG - based in Böblingen, Germany, and focusing on open source solutions for



Image by Eliane Domingos de Sousa

the enterprise - has joined the Advisory Board of The Document Foundation.

In mid September, the following TDF members have been elected into the second Membership Committee: Cor Nouws, David Emmerich Jourdain, Jan Holešovský, Charles-H. Schulz and Gabriele Ponzio. Elected as deputies are Klaus-Jürgen Weghorn and Andras Timar.

In mid October, The Document Foundation has received the 100,000th donation in 500 days, with an average of 200 donations per day. Donations are the main source of income for the project, and are key for the independence.

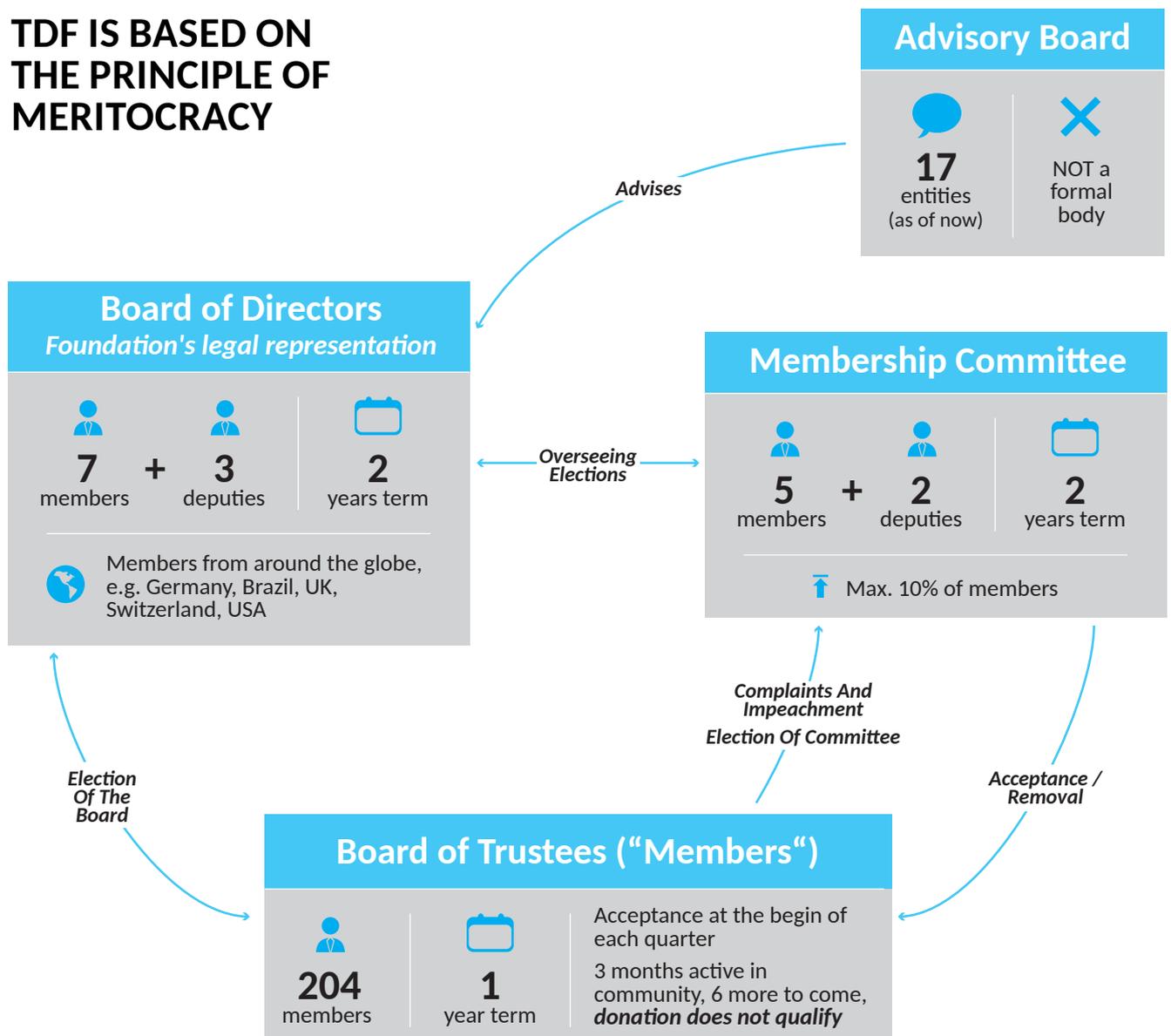
At the end of October, The Document Foundation (TDF)

joined the Open Source Business Alliance (OSB Alliance), to strengthen LibreOffice ecosystem by creating stronger ties with companies and organizations deploying the free office suite on a large scale. The aim of the OSB Alliance is to improve the success of open source software and open collaboration.

In November, CIB Software - based in Munich - has joined TDF Advisory Board. CIB Software develops document lifecycle management applications, and provides IT consulting from planning to maintenance.

In December, The Document Foundation sponsored the ODF Plugfest organized by the UK Government.

TDF IS BASED ON THE PRINCIPLE OF MERITOCRACY



LibreOffice in 2014

LibreOffice follows a time-based release model to the benefit of not only our end-users, but also our developers. New features are released to the public in due time, and improvements are made available on a regular basis

In 2014, The Document Foundation announced two major releases of LibreOffice - LibreOffice 4.2 on January 30 and LibreOffice 4.3 on July 30.

Regular Improvements

15 minor releases have been made available as well:

RELEASE #	DATE
LibreOffice 4.1.5	February 11
LibreOffice 4.2.1	February 20
LibreOffice 4.2.2	March 13
LibreOffice 4.2.3	April 10
LibreOffice 4.1.6	April 29
LibreOffice 4.2.4	May 8
LibreOffice 4.2.5	June 20
LibreOffice 4.2.6	August 8
LibreOffice 4.3.1	August 28
LibreOffice 4.3.2	September 25
LibreOffice 4.2.7 and 4.3.3	October 30
LibreOffice 4.3.4	November 14
LibreOffice 4.2.8	December 12
LibreOffice 4.3.5	December 18

The LibreOffice Impress Remote for iPhone and iPad was announced on March 2nd, for a total of 18 announcements in 12 months (on average, one announcement every 2.8 weeks or 20 days, which represents a significant achievement for a community-based project).

Developers started working on LibreOffice 4.4, and QA volunteers organized two bug hunting sessions: the first in November after the release of the first beta, and the second in December after the availability of the first release candidate.

LibreOffice 4.2

Significant new features of LibreOffice 4.2 were the code refactoring of Calc, offering major performance wins for big data (especially when calculating cell values, and importing complex XLSX spreadsheets); the new formula interpreter enabling massively parallel calculation of formula cells using the GPU via OpenCL; the considerably improved round-trip interoperability with Microsoft OOXML and legacy RTF; the simplified custom install dialog for Windows; the ability to centrally manage and

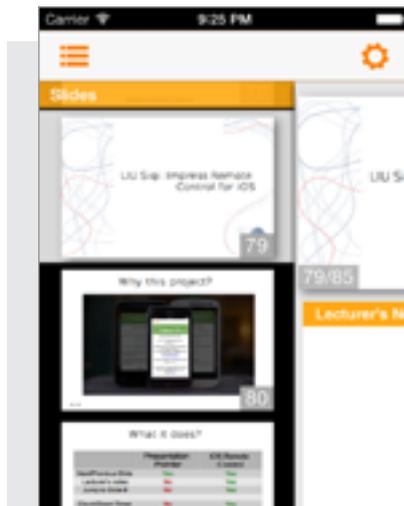


Image by Issa Alkurtass, based on an idea from Daniel A. Rodriguez, licensed under Creative Commons Attribution Share-Alike 3.0 Unported. Further details see wiki.documentfoundation.org/File:LO4-Airport-Sign-v2.svg

lock-down the configuration with Group Policy Objects via Active Directory; the new start screen, with a cleaner layout that makes better use of the available space and shows a preview of last documents; the new Windows (IAccessible2 based) accessibility features developed by IBM; and a beautiful new flat icon theme named Sifr.

LibreOffice 4.3

Significant new features of LibreOffice 4.3 included improved interoperability, with support of OOXML Strict, several graphic improvements (DrawingML, theme fonts, preservation of drawing styles and attributes), the embedding of one OOXML file inside another OOXML file, support of 30 new Excel formulas, support of MS Works spreadsheets and databases, and Mac legacy file formats. The printing of comments in the document margin has also been improved, with better



The Impress Remote is now available for iOS devices

formatting and expanded import/export support for ODF, DOC, OOXML and RTF documents, for improved productivity and better collaboration; a more intuitive spreadsheet handling; 3D models in Impress in the new open glTF format; and support of "monster" paragraphs with more than 65.000 characters (another 11 year old bug solved thanks to the modernization of the source code).

In addition to LibreOffice, there have been several announcements of related products such as LibreOffice Portable, which allows to run LibreOffice from a USB key, and the LibreOffice Viewer for Android. Third parties have also announced solutions based on LibreOffice, such as CloudOn with the iPad editor, and RollApp with the virtualization technology

which brings LibreOffice on iOS, Android, Chrome OS and now Firefox OS.

At the end of 2014, the estimated user base of LibreOffice is exceeding 80 million users worldwide, according to the number of Windows and OS X users pinging for updates, plus Linux users updating their software from repositories.

LIBREOFFICE TIMELINE

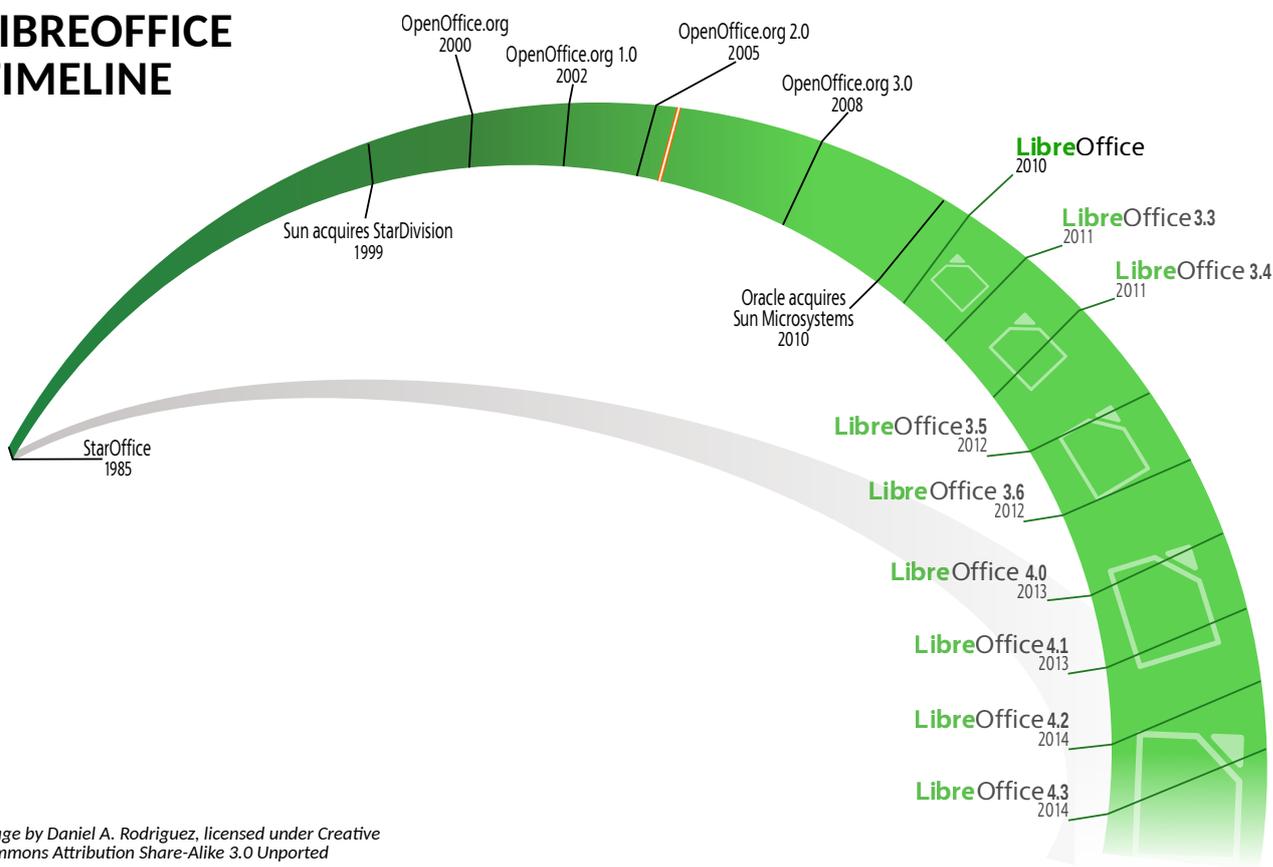


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Financials and Budget

Ever since its incorporation, The Document Foundation has been created by the community, for the community, with invaluable support from our generous donors from all around the world

A Short History of Time

When we envisioned TDF several years ago, one of the key items was creating a strong, stable and enduring entity that provides a framework for the community to grow, prosper and flourish. When setting up the foundation, we already have seen a tremendous and enormous support from all around the world to fulfill the financial requirement providing the necessary capital stock. Over the course of the last years, the incredible support from users all around the world has helped to create the leading free office suite and shape a stable, enduring and long lasting entity – by the community, for the community.

Key to Success

Thanks to this wonderful support and a constant flow of donations, during 2012 and 2013, we already have been able to realize a few projects and put key knowledge and competence into the foundation – by running our own infrastructure and sharing knowledge with volunteers all around the globe, and by having the key role of the release engineer inside the foundation, ensuring timely and proper LibreOffice releases.

During 2014, our donors and supporters enabled us to bring more exciting and important projects on the way, with many of them featured on the following pages of this annual report.

Not only have we released several versions of LibreOffice with dozens of improvements, enhancements and additions to the benefit of our users, but also kicked off new and exciting projects – an Android version base frame work, a certification program, major improvements to quality assurance, and marketing effort, just to name a few.

Spreading Knowledge

In all our doings, we try to act as multiplier, by spreading knowledge and sharing skills with interested volunteers worldwide, by encouraging and motivating contributors, and by getting new people in to the exciting world of a global community.

Projects like EasyHacks and CoreHacks, in combination with Hackfest events, have not only helped our end-users with new features and bugfixes, but also contributed a lot to make our community one of the friendliest places to be, with entry barriers constantly getting lower, and an environment that's as welcoming as can be.

With the native language projects being an integral part of the LibreOffice projects, we have helped to staff and organize events around the world, enabling the local communities to showcase their efforts and achievements, supporting our volunteers to jointly work with colleagues all around the globe, and providing proper documentation to lower the entry barrier even further.

Support All Around the World

During 2014, a total of approximately 67.500 donations from all around the world have been made, totalling to nearly 595.000 €, which gives an average donation of 8,81 €, and is comparable to our 2013 income. In 500 days, from May 1st, 2013, to October 13, 2014, TDF received 100.000 donations, with an average of 200 donations per day.

PayPal is the most widely used donation mechanism, followed by credit card donations, bank wire transfer, and BitPay.

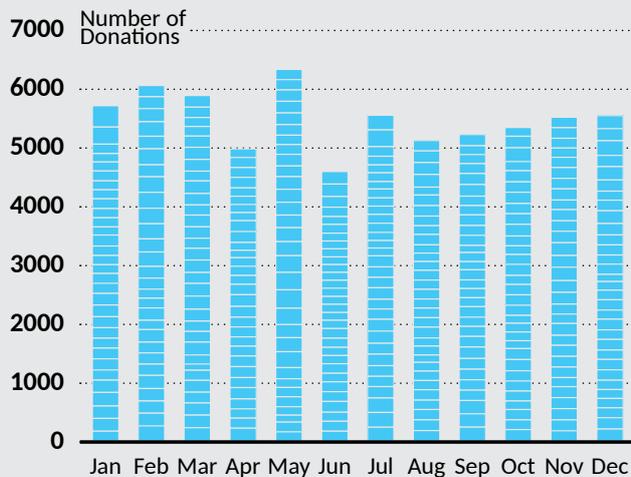
The majority of donations was made in USD, followed by EUR and GBP. In total, 47 we have received donations in 47 currencies.

Since January 2014, TDF has been working with a professional accountant and tax advisor to not only handle the financial annual report, but from now on also ensure timely and proper ledger publication to the community, which has been handled in pure volunteer time before.

Open and Transparent

In all our spendings and doings, TDF is open and transparent as set forth in the statutes. We regularly reach out to the community for project proposals, handle budgeting in public, and publish numbers and ledgers not only to our members and the community, but also to the general public. Everyone who is part of the community has a fair say in how to spend the funds, to ensure a fair and equal support of all projects and parts of the community, driving further LibreOffice, free office software and open file formats for office productivity.

DONATION TRENDS IN 2014



Investing in Free Software Spirit

With the funds received, TDF not only invests into its own products, but also supports other free software that fit into the foundation's statutes. For our Ask LibreOffice forum, one of the most visited websites in the LibreOffice universe, we used donated funds to have various features incorporated that a project like ours need, especially localization. With AskBot, the underlying software, being open source, all improvements have been contributed upstream to the benefit of the wider AskBot community – TDF wants to give back to other free software projects and their users whenever possible.

ACCOUNTING OVERVIEW '14

Overview

- Berlin account balance: **807.718,34 €** (as of 2014-12-31, incl. business part, excl. 50.000 € capital stock)
- Total recurring costs in 2014: **208.658,30 €**

Recurring Costs Spent (Extract)

- Employees: **99.713,96 €**
- Freelancers: **82.400,87 €**
- Servers, domains and other infrastructure: **9.194,14 €**
- Administrative fees: **13.743,02 €**
- Apple developer program: **160,00 €**
- Membership fees: **1.440,22 €**
- Office supplies: **200,00 €**
- Conference budget: **1.211,09 €**

Project Costs Spent

- Server migration: **2.138,43 €**
- AskBot: **3.777,20 €**
- QA, Hackfest & Hardware: **996,00 €**
- Certification: **29.300,00 €**
- Pootle support and maintenance: **203,00 €**
- Pootle translation memory, concordance and performance improvements: **2.409,00 €**
- Load/save/validate regression testing hardware: **1.211,78 €**
- Android base framework: **20.160,00 €**
- DFD gold sponsoring: **3.000,00 €**
- With the support of SPI, nearly **70.000 €** in travel refunds have been covered.

Without our generous donors, TDF would not be where it is today. On behalf of the community, the board would like to thank all our supporters for their valuable contribution, their ongoing support, their trust and their dedication for LibreOffice. Thank you very much!

LibreOffice Conference

The LibreOffice Conference is the annual gathering of the community, our end-users and everyone interested in free office software. Every year, it takes place in a different country

LibreOffice Conference 2014 was hosted by the city and the university of Bern in Switzerland, from September 3rd to September 5th, 2014. The event was organized by the open source association Swiss Open Systems User Group (CH/Open) and the Research Center for Digital Sustainability at the Institute for Information Systems of the University of Bern, with the help of several volunteers.

On September 3rd, the opening ceremony was followed by a professional track covering migrations from proprietary to free office suites, and from proprietary to open file formats, with talks from several public administrations in Austria, Germany and Switzerland.

As usual, the conference was preceded by a full day of meetings - Board of Directors, staff, Engineering Steering Committee, and native language communities. Meetings, keynotes, workshops and tracks were complemented by the hacknight on Wednesday, September 3rd, at the UniS, and the social event on Thursday, September 4th, at the ISC Club Bern, where the 200 conference participants met friends from the local Linux user group and other open source enthusiasts. A KSP (key signing party) was held at the same location.

Workshops and tracks covered the following topics: development (30 talks), ODF and document liberation (4 talks), quality assurance (QA) (5 talks), infrastructure (4 talks), localization (l10n) (2 talks), marketing (8 talks) and migrations (13 talks). All sessions were attended by a rather large audience, with lots of questions and interactivity.

LibreOffice Conference was supported by a large number of supporters - the Hasler Foundation and the Burgergemeinde Bern - and sponsors: CloudOn, Collabora and Google as platinum; Adfinis SyGroup, Canonical, CIB, ITOMIG and Studio Storti as gold; Apertura Design, FOX Free Office eXperts, Igalia, OpenSUSE, Puzzle ITC, RedHat, Ritualis and Uninvention as silver.

On Saturday, September 6th, the conference was followed by a walking tour of the city.

In 2015, the LibreOffice Conference is going to be hosted by the city of Aarhus in Denmark at the Dokk1 - Urban Media Space, from September 22nd, the community day, to September 25th. Aarhus is a dynamic city on the Jutland peninsula in Denmark, with a population of 315,000 inhabitants. With a history stretching back to Viking settlements in the 8th century, and students comprising 13% of its current population, Aarhus is simultaneously the youngest city in Denmark and one of the oldest..



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Certification

LibreOffice certification started back in October 2012, with the certification of a group of developers based on a peer-to-peer review from the Engineering Steering Committee

Since then, new developers have been certified on a regular basis, and today there is a large group of certified developers capable of providing value added development services to organizations deploying LibreOffice on a large scale.

In 2014, the certification program was finalized also for professionals involved in migrations and trainings, based on the same principle of the peer-to-peer review. In order to have a reference for the certification process, a protocol for migrations and trainings was approved by the Board of Directors and a group of experts selected amongst those individuals with a long standing experience either of the community or of migrations and trainings.



The same group of individuals has been appointed to be a reviewer of candidates applying for certification. They are Lothar Becker, Eliane Domingos de Sousa, Sophie Gautier, Olivier Hallot, Thomas Krumbain, Marina Latini, Leif Lodahl, Cor Nouws, Gustavo Pacheco, Stefano Paggetti, Jacqueline Rahemipour, Charles H. Schulz and Italo Vignoli. Several of these individuals are working as consultants - either independent or within an organization - and offer value added services to organizations willing to deploy LibreOffice on hundreds or thousands of personal computers.

Certified developers are the following 44 professionals:

Faisal Al-Otaibi, Jacobo Aragunde, Katarina Behrens, Thorsten Behrens, Stephan Bergmann, Cédric Bosdonnat, Maxime de Roucy, Winfried Donkers, Radek Doulik, Rene Engelhard, Adam Fyne, Jan-Marek Glogowski, Noel Grandin, Jan Holešovský, Khaled Hosny, Andrzej Hunt, Matúš Kukan, Tor Lillqvist, Christian Lohmaier, Luboš Luňák, Lionel Elie Mamane, Eilidh McAdam, Caolán McNamara, Michael Meeks, Samuel Mehrbrodt, Björn Michaelsen, Petr Mládek, Markus Mohrhard, László Németh, David Ostrovsky, Pierre-Eric Pelloux-Prayer, Noel Power, Eike Rathke, Rob Snelders, Marcos Souza, Michael Stahl, Fridrich Štrba, Muthu Subramanian, David Tardon, András Timár, Miklos Vajna, Tomáš Vajngerl, Kohei Yoshida e Tamás Zolnai.

Certification has been opened to TDF members in November 2014, with the first peer-to-peer review session planned for FOSDEM in Brussels. Certification candidates are requested to apply by filling out an online form, and providing the relevant information to demonstrate their experience in migrations and/or trainings. Once the review committee is happy with their application, they are admitted to the peer-to-peer review. A dozen TDF members have applied for the first peer-to-peer review session.

Certification will be opened to the public mid-2015. Candidates with experience in migrations and trainings will follow a two day course. For those new to migrations, or who desire a more in-depth education, longer courses detailing the entire migration and/or training protocol will be announced in the second half of 2015, and the trainings will start in early 2016.

Website

Our website is the main entrance point to the world of LibreOffice, used by millions of visitors around the globe. In 2014, it was recreated with a fresh and appealing design

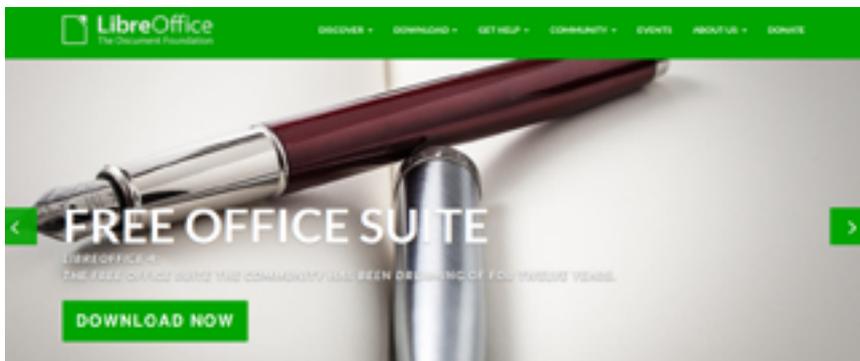


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The website has been redesigned in a modern style, employing current navigation and visual standards. Balancing user and community needs, a lot of information should be accessible in one view. The redesign was implemented by an Italian designer and a French coordinator, building on top of SilverStripe, an open source CMS that is customizable and handles internationalization.

New website content has been developed with community input. A first structure was submitted, then each page discussed with the public, and then a review carried out at each step of the implementation. It took about three months to have the site set, finished, and polished, finally ready to be launched.

The website must serve multiple segments of the LibreOffice community and public, so it was essential to find a structure appropriate for all target audiences. In addition to showing off the software, showing how to download it, and its purpose, it was important to describe how the community can get involved in the project's teams (such as Design, Quality Assurance, Development, etc.) as well as displaying information about the Foundation. Replacing some text with images and icons, and selecting a consistent structure for all pages made it much easier for all users to start using the site immediately.

With the English part done, it was time for the international community to translate the pages into additional languages. As usual, there was no obligation for localization teams to adopt the new site, but several teams were very happy with the professional design and translated pages relevant to their community. Out of 53 sites, 13 have been translated and others are still working on translating pages. The

creation of the new website was an important step to bring more uniformity over native language websites.

Next to the website, whatever the language, which brings a share amount of information, the second source for users are the blogs and the planet aggregating them, offering a day to day overview of what is happening in the project, either on the software side or the community side.

BLOG STATISTICS



In 2014, the blog of The Document Foundation (blog.documentfoundation.org) registered a total of 209,680 page views from 162,116 visitors (an average of 1.29 page views per visitor), with 107 comments and 87 likes.



The top countries in term of visitors were the Unites States with 42,750, Germany with 20,789, the United Kingdom with 12,744, France with 10,586, Spain with 8,687, Italy with 7,927, Russia with 7,030, Canada with 6,697, Poland with 6,292, and the Netherlands with 5,483.

Quality Assurance

Over the past year, the QA team has triaged thousands of bugs, dissected hundreds of regressions, and answered the questions and inquiries of countless bug reporters

As one of the most visible groups directly responding to our users, the QA team must be nimble, able to adapt to changes, get up to speed with new components such as the Android Viewer, and deal with specific requests for help from other teams.

Throughout 2014, bi-weekly meetings have helped us to discuss and resolve big-issue topics and to stay in relatively close contact, even as we are spread out across time zones around the world. Although voice and video calls have their uses, we've actually found that IRC is the best medium for our communication and meetings, perhaps because the #libreoffice-qa channel is so heavily used by our team.

The QA IRC channel provides an excellent opportunity for us to remain in close contact with team members and to welcome and tutor new members in the art and skill of LibreOffice QA. Although we strive to simplify and document all of our QA practices, there are always nuances and corner cases that are best learned through direct communication. Having a "Club House" for the QA team provides a supportive community environment for new and old alike, and encourages dormant members to become more active once again.

The announcement of the beta version of LibreOffice for Android has led to more involvement from users interested in testing on mobile platforms. The QA team is excited to hear about LibreOffice running additional platforms and in new configurations, such as Ubuntu Touch and LibreOffice Online, and the Impress Remote running on the Pebble watch. The team seeks to expand its own knowledge and tooling to provide solid testing support for our users on all of our supported platforms. Since summer 2014, Robinson Tryon has been working as TDF's QA engineer, to drive forward the quality assurance project with great success

Improvement of Documentation

QA documentation has been greatly improved during 2014, including new documentation for Hackfest/LibreFest virtual machines, the operation of Bugzilla, and 'gardening' of our bug reports.

We love to run Hackfests/LibreFests, but we have a big issue: How can we get multiple contributors working in a build environment (or able to bisect bugs) within an event that's only a few hours long? Not wanting to spend valuable developer time helping each person get LibreOffice building on his or her machine, and sensitive to the fact that most laptops don't compile the source very quickly, the idea arose to use generic, cloud-hosted virtual machine images, and connect to them using a remote desktop tool (X2Go). We needed clear documentation to help participants get up to speed quickly, and wanted to make the instructions simple enough that individuals could help themselves with minimal instructor involvement. We're continuing to improve this documentation during each community event, and welcome additional input on the wiki pages!

With the migration of Bugzilla from Freedesktop to our own TDF infrastructure, we had a need to take a more active role in the ongoing maintenance and structures of deployment and administration of the bugtracker. With help from experienced Bugzilla administrators at other projects and companies, we've documented our mechanisms used to set up, update, adapt/modify, and clean up the bug data. Although our efforts are simple so far, perhaps our work will eventually be of use to other projects.



Our own Bugzilla instance gives us more flexibility needed for daily QA work



Since before the Bugzilla migration, QA has endeavored to keep the bugs in the bugtracker relevant, structured, and helpful for the developers, designers, and all other teams in the project. In the past months, we've focused and clarified our efforts to standardize tasks on our 'gardening' page, and to keep track of how long it's been since our last weeding efforts, to ensure that bugs do not linger in inappropriate states endlessly.

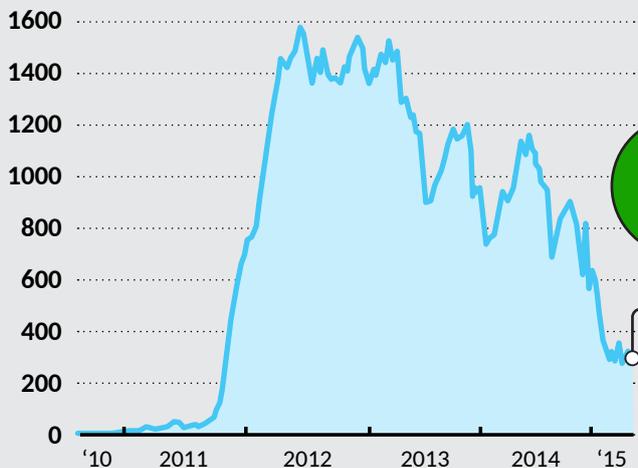
Volunteer Statistics

Volunteers make up the lifeblood of the QA team, and we've had several contributors join or become much more active during 2014. We've seen a 50% increase in members signing up on the QA/Team page (from 19 → 32), and had 4 of our most active team members join in the last year. With record-smashing lows in UNCONFIRMED bugs and highs in identified and bisected regressions over the course of 2014, our volunteers bring energy, innovation, and humor in equal measure that makes being a member of the QA Team a true joy.

Bug Statistics

Since the start of the LibreOffice project, it's been a challenge to stay on top of the incoming bug reports. Zooming far above 2,500 in 2012, we entered 2014 with a debt of over 1,100 UNCONFIRMED bugs. Throughout 2014 we diligently triaged hundreds of bug reports, with a goal of breaking the 500 bug barrier by Christmas. We broke the 500- and 400-bug mark, reaching 387 UNCONFIRMED bugs by the end of December. We're now at historic lows, currently at 282, as we seek to continue the downward trend. With around 25 bugs filed each day, it would be nice to keep the incoming bug pool under 100.

UNCONFIRMED BUG COUNTS



70% less than '14

Bug Hunting Sessions

We had 5 BugHunting Sessions in 2014, each in preparation for an upcoming release. Bringing together QA regulars with developers and occasional contributors, concentrated testing of specific builds resulted in identification of hundreds of bugs and regressions. During the 4.4.0.0 session we had over 100 bugs filed, with nearly a third fixed during the following week.

BugZilla Migration

At the end of January, 2015, we migrated all of the LibreOffice bugs from Freedesktop.org servers to TDF infrastructure. The QA team has long desired the flexibility and control provided by running our own instance of Bugzilla, and after months of careful planning, preparation, testing, and coordination with the Freedesktop Bugzilla sysadmins, we transitioned thousands of bugs in just a few hours.

Having our own Bugzilla has allowed us to organize bug reports more logically, creating new product entries for the Impress Remote, QA Tools, and the libraries that make up the Document Liberation Project. Direct control has allowed us to customize bug entry pages, clarify labels for database fields, highlight the most popular projects, and provide detailed instructions to bug reporters based on the bug state.

Bibisecting

Expanding upon previous years, the QA team relied heavily on our bisect repositories to help discover the commit ranges in which a regression was introduced to LibreOffice. Packing hundreds of binary builds of LibreOffice into a single git repository, we've continued to assemble bisect repositories corresponding to each new master development branch. In 2014 we've overhauled our wiki documentation and step-by-step instructions for using bisect repositories on GNU/Linux, reducing barriers for participation.

Over the course of 12 months, we (bi)bisected a total of 395 bugs in 2014, more than doubling the 150 bisected bugs from 2013. We've (bi)bisected 221 bugs so far in 2015, and are on track to beat our 2014 numbers by a large margin! As we increase the pace of our bisecting in 2015, we're continuing to improve our mechanisms and tooling; whereas our original bisect repositories have a granularity of 1 build every 60 commits, we're shifting to updated repositories that include 1 build for every commit, with the eventual hope of giving all QA team members the power to identify the exact code commit and author of any confirmed regression.

Hackfests

With many LibreOffice developers working physically distant from one another, hackfests provide a unique opportunity for programmers to spend a few days working literally shoulder-to-shoulder with their peers

Bringing developers together in one room for the purpose of intensive improvement to the LibreOffice codebase has resulted in significant updates to the user interface, and important work completed on accessibility, memory issues, and unit tests.

Brussels, February 3-4

Organized to follow immediately after FOSDEM, this 'UX Hackfest' was held at Beta Coworking in Brussels and addressed look-and-feel issues, sidebars and toolbars, improvements to the Start Center, Template Manager, and other dialogs, and a wide variety of accessibility issues, including the addition of several new ATK roles. We now have thumbnails for file types beyond ODF, we better communicate our status to users by showing a busy mouse pointer when starting apps, and we have Unicode-compliant soft hyphen handling (important for languages such as Dutch, Norwegian, Swedish, Catalan, and Hungarian)

Gran Canaria, April 24-25

As a part of a larger effort to build relationships with groups and administrations using LibreOffice, this hackfest was organized with representatives from the University of Las Palmas on the Canary Islands. The city of Las Palmas migrated over 1000 desktops to LibreOffice in 2012, and could benefit directly from having increased local knowledge and ability in the development of the office suite.

Before the coding portion of the hackfest, talks were scheduled to provide background about the LibreOffice project and a brief overview of open standards and the Open Document Format (ODF). Leading into the primary activities, talks then delved into development, including improving the UI, as well as simple introductions to QA testing and use of tooling such as our bibisect repositories.

Hackfest gains included fixing regressions, including new unit tests, and discussing strategies for future development. Users may now opt to remove individual documents from the Start Center, a regression involving disappearing text fields/image on charts in Calc was identified and fixed, a hunspell problem with shortened 8+3 filenames in Windows' "Roaming Profiles" was tracked down and solved, and multiple pieces of bug statistics tooling were improved.





Paris, June 27-28

The first LibreOffice hackfest in Paris was hosted by Simplon.co, a school and incubator for programming and startups, and took place in Montreuil, an eastern commune of the great city. Progress was made on a wide variety of issues, including crashes and memory issues in both Base and Calc, streamlining and polishing the Impress Remote, and trimming the headless startup time of LibreOffice by ~5%. Improvements were made to our import code for DOCX files, the Android version of LibreOffice is now completely integrated to use LibreOfficeKit, and steps were taken to improve support for ODBC (Open Database Connectivity) on Mac OS X.

For users of our LibreOffice Impress Remote, you should see greater stability now that we've streamlined the code, identified and fixed some memory leaks, and eliminated flickering in the PIN-entry pane. It is now possible to remove previously-authorized remotes from LibreOffice.

Boston, July 26-27

Hackfests came to the United States in July when mobile development company Xamarin provided a workspace for a dozen contributors in the heart of Boston, Massachusetts. With a wide array of community representation including core LibreOffice developers, new developers, QA Team members, experienced users, and trainers/service providers, work proceeded on multiple fronts simultaneously. Having attendees from both the US and Canada provided further diversity to the participants at the event.

This was the first hackfest at which we had the opportunity to test out our cloud-based development environment. Leveraging the speed and benefits of a pre-configured and pre-built checkout of the LibreOffice codebase running on a remote virtual machine, we were able to start writing code almost immediately! Achievements included speedups to Calc, bugfixes to search, and introduction of new contributors to our QA workflow.

Toulouse, November 15-16

At the tail end of 2014, several core and junior developers assembled in Toulouse, France for a hackfest during Capitole du libre - a community event attended by several Free Software projects. As the hackfest took place in close proximity to the primary event, developers simultaneously worked on DOCX import and OpenGL bugs while taking time to speak with visitors about accessibility, documentation, and open formats, as well as what OS and software students are choosing for their district-issued laptops or tablets. Improvements were made and unit tests added for DOCX import of overlapping bookmarks.

Native Language Projects

Much of the activity, passion and energy that makes our community prosper comes from our native language projects. They promote and market LibreOffice in their countries, and get new volunteers excited about what we do

Below is an excerpt of what has been going on in our native language community during 2014.

Multilingual Planet

This year, a multilingual planet was set up, allowing native language projects to blog in their own language. On this new multilingual site, one can filter per language or display all news on the same page. Feeds for 10 languages are present on the planet.



Our active blogging community gets featured in our multilingual planet

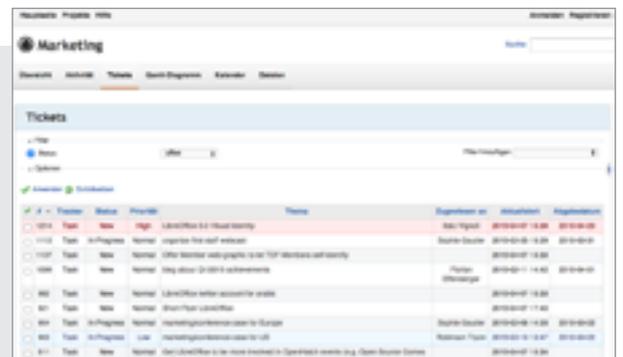
Brazilian Community: Events



Brazil has attended and presented at several events in 2014, including CampusParty Brazil in January, the International Free Software Forum (FISL) in July, and Encontro Nacional LibreOffice in September.

Redmine for Task Management

Several projects are currently experimenting with task management through Redmine. Existing uses include planning exhibitor booths at conferences and community documentation requests for the different tools used by the community.



Redmine has become a key tool for managing our various activities

Uruguay Community: Events



In Uruguay, members of The Document Foundation and the LibreOffice community presented at Antel Avanza 2014, an event held at the beginning of August. Björn Michaelsen gave a talk about getting involved with the LibreOffice project.

Spanish Community: Attracting Volunteers, Translation Guide



The Spanish language team continues its ongoing effort to attract more volunteers. Three more people have sent translation suggestions and corrections to our Pootle server as a one-time contribution. Adolfo has been working on a detailed translation style guide for every volunteer to follow, to help new contributors work efficiently and consistently. This guide is available in the wiki. Adolfo has also sent a couple of patches related to the Spanish language to LibreOffice's core repository; one patch improves auto-correction patterns, and another tweaks key translations under Linux.

Daniel has been translating pages for the new version of the website and publishing LibreOffice news in Spanish to several blogs and social media sites (especially the LibreOffice Argentina community blog, Google+, Facebook and Twitter profiles). As a result, more people are aware of our team efforts and are able to communicate with LibreOffice representatives in their native language.

Japanese Community: Events



The Japanese community was quite active in promoting LibreOffice in 2014, both running LibreOffice-specific events as well as participating in FOSS conferences around the country. In February, the community joined the Open Source Conference 2014 Tokyo/Spring and organized a combined LibreOffice Hack-a-thon and Docfest. In March in Hamanako, members had a table at the Open Source Conference 2014 and ran a LibreOffice meeting. A LibreOffice meeting took place in Kansai in April. May was busy with a the Open Source Conference 2014 in Okinawa and Tokushima LibreOffice meeting, as was June with a LibreOffice mini Conference 2014 in Tokyo and the Open Source Conference 2014 in Hokkaido. In February of 2015, a Document Freedom Day event was held. Kanto



The Japanese community has been very active during 2014

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LibreOffice Offline Meetings were held throughout the year in Tokyo. During these meetings and hackfests, localization has been completed, bugs have been fixed, and mentoring on how to build LibreOffice has been provided.

German Community: Events, Community Phone Calls



Throughout 2014, the German LibreOffice community has attended several events, including CeBIT and didacta in March, and OpenRheinRuhr and Berliner Stiftungstag in November. A project meeting was held in Essen in June, and monthly community phone conferences are now being organized.



The German community at CeBIT in Hannover

The team has kept translations of the LibreOffice UI and online help complete for 4.2 and 4.3, working to improve the quality and consistency of the translations whenever possible. They've also translated the new homepage into German. With renewed interest in reviving Low German (a historic language, still spoken in Northern Germany and the Netherlands) there is now a new initiative within the Germany community to add language support for Low German to LibreOffice.

Czech Community: Localization



The Czech team has kept translations of UI and Help complete for 4.2 and 4.3, improving their quality and consistency.

Translation of the LibreOffice Getting Started Guide to Czech is currently underway, with over one third of the guide completed. The Czech team is working in cooperation with the Slovak team, as machine translation from the Slovak language speeds up the work substantially.



The Italian community has been organizing several events in 2014

Image by Gabriele Ponso for Associazione Libretalia, licensed under Creative Commons Attribution Share-Alike 3.0 Unported

Italian Community: Translation, Events, Migration Protocol, Associazione Libretalia, Training Courses for Children

 2014 has been a landmark year for the LibreOffice community in Italy, with the birth of Associazione Libretalia – a not-for-profit entity (ONLUS) with statutes inspired by TDF statutes – and the first Italian LibreOffice Conference with over 60 participants. Associazione Libretalia has the objective of promoting LibreOffice and advocating for ODF adoption in Italy by the public administration, at both a central and local level, through sustained marketing and lobbying activity. As of December 31, 2014, Associazione Libretalia had over 180 members. Though busy with conference-organizing and the foundation of Libretalia, the Italian team has diligently maintained full translation of LibreOffice 4.2 and 4.3.

Chinese community: Translation, Website, Bugfixing, Forum

 The Chinese LibreOffice community has been quite busy during 2014. The Simplified Chinese Team has finished the translation of LibreOffice 4.2, 4.3 and 4.4 rc, finished translation of the LibreOffice Simplified Chinese Website, and fixed website code for Simplified Chinese. The Chinese community founded a LibreOffice discussion forum and a LibreOffice blog. With the forum, Chinese LibreOffice users can now using their native language to report bugs and discuss issues with others, while more experienced, bilingual team members can transfer these reports to Bugzilla and the mailing lists.

French Community: Events

 The French team has attended or been involved in the following events during 2014: A booth at Solution Linux 2014 (Paris), a booth and talk at JDLL 2014 (Lyon), participation in RMLL 2014 (Montpellier) and OWF (Paris). Full localization for all the active versions of LibreOffice has been maintained. Several French team members have attended the QA bug hunting sessions.

US Community: Events

 The LibreOffice US community is still quite small, but during 2014 has grown in size and in recognition. Over the course of the year, volunteers have helped to staff booths and present talks at several prominent conferences, including SCALE 12x in California, LinuxFest Northwest and SeaGL in Washington State, Texas Linux Fest in Austin, Texas, FOSSCON in Pennsylvania, and the inaugural Fossetcon in Florida.

Activity in North America extended to include Canada as well, with participants joining us at our Boston Summer Hackfest and at LibrePlanet. European developers and marketing coordinators have also joined us for OSCON in Oregon and our fall LibreFest/Hackfest at the University of Washington.

In 2015, the US community aims to expand outreach and collaborative efforts, hosting Document Freedom Day and Software Freedom Day events in March and September (respectively), and partner with non-profit organizations and companies to make further community “LibreFest” events great successes. As LibreOffice, ODF, and even Free/Open Source Software are relatively unknown in the States, brand awareness and basic introduction to open formats and standards will be one of our top priorities as we seek to increase LibreOffice use and community participation in equal measure.

Guarani Community: Translation

There is a new volunteer translating LibreOffice into Guarani, one of the native South American languages. When completed, it will be the first time an office suite is available in this language.

Slovak Community: Documentation and Localization

 In 2014, the LibreOffice Getting Started Guide was translated to Slovak. The native language team has also maintained the UI and Help localizations for LibreOffice.



Infrastructure

The technical infrastructure is of essential importance for the work of the Foundation, as the members of TDF and contributors to our projects are located around the globe. Quite often participants have not even met in person but only via services provided by the foundation

Always Online

The infrastructure provides the basis for the development, design, marketing and improvement of LibreOffice as well as distributing it to mirrors around the world. Via the website, mailing lists, interactive Q&A sites and many other services, millions of people are within reach. As the target group for the infrastructure is spread worldwide, a secure and reliable operation is necessary 24 hours a day and 365 days a year. Due to the size of the project and its continuous growth it is necessary to adapt procedures that allow the infrastructure to grow, without losing maintainability or safety.

Configuration Management and Virtualization

To keep the necessary workload at a minimum for administering servers, services and all other parts of the infrastructure, a large amount of time has been invested into automating and standardizing the configuration management system. For this, multiple repositories of configuration states were created, where most of the setup of our servers is stored. A large amount of states was also made public to give back to the DevOps community and to make it easier for new volunteers to join our team.

To give more fine-grained access to services - as well as to have better isolation between them - it was decided to virtualize most of the machines that were previously running on bare-metal hardware. To lower hardware administration costs, we moved services to a small number of identical, powerful machines. The machines in the new datacenter are equipped with 64 CPU cores

and 256 GB of RAM each, as well as a big storage of about 8 TB per machine. Two machines are used for typical infrastructure related virtual machines, and one server is reserved for development purposes such as crashtesting.



Extensive documentation is key to success

To make it easier to spread information about current infrastructure developments, regular meetings and calls were set up. These proved to be highly productive and covered topics such as the migration to a KVM-based virtualization platform, database optimizations, migration of Pootle to our own infrastructure, monitoring with snmpd, LDAP for internal and external services, and highly available filesystems.

Documentation

Documentation helps users to learn about the power of LibreOffice. Our engaged team of volunteers provides documentation, videos and tutorials for all program modules

User Guides

The user guides and Desktop Reference Cards have been regularly updated following the release of new LibreOffice versions. Translations to several languages are ongoing, e.g. Spanish and Dutch. The Czech team has translated all user guides covering components, as well as the Getting Started Guide.

Translation Workflow

The Czech team has implemented a workflow that allows them to update the guide for each version of LibreOffice, without having to retranslate the guide from scratch or search for differences between two versions. This workflow leverages a functionality of OmegaT (a CAT tool) named 'Team project' which allows revisions handling via GitHub. The .ODT file is split into sentences and changes are stored in the repository. Several other language teams like the Italian and French one have experimented with this workflow in a GitHub repository, and documented the process on our wiki. For non-technical people, working with GitHub may at first seem complicated: creating a dedicated repository and handling rights and permissions is not usually the work of the Documentation Team. However, with a little setup help from the experienced teams, the push and pull from OmegaT are completely transparent for users.

Help Files Structure

The project to move the help files to the help Wiki has made slow progress. Questions remain regarding the handling of the extended tips: Should they be handled by the new .UI dialogs, or should they have their own project on Pootle? In addition, the Brazilian team has documented several parts of the Calc formulas that don't have native-lang support – and haven't had it for many versions.

Pootle Documentation

Pootle documentation on the wiki has been updated to the latest deployed version. Screenshots of Pootle describing the interface and various aspects of functionality have been included, as have tips on how to perform string searches directly on .PO files. Extensive documentation on the structure of .PO files and the XML tags present in the help files has been added.

New Website Translation

The website has been completely redesigned and the native language projects have worked hard to translate all the pages. To help translators keep track of the most important pages and how to proceed, documentation has been added to the wiki. The new website is now available in many different languages. Part of the strings - those of the backend - are handled on Pootle and regularly pushed to the site.



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Video Tutorials

The TDF YouTube channels offer a large variety of video tutorials in various languages. There are many lists of videos available that are targeted at developers or users. Several video tutorials are produced in French by Pierre-Yves Samin and are made available via the French list of the official TDF channel.

Marketing

Marketing LibreOffice is key to the success of the project. Our marketers spread the word about our software and our community, and talk about our foundation's achievements

Marketing a free software product has always been a challenge, for two reasons: volunteers cannot have the same availability as full time professionals, and budgets are not comparable with those of proprietary applications. Keeping in mind these limitations, The Document Foundation and LibreOffice have managed to get an overall decent visibility amongst technology enthusiasts.

During 2014, volunteers active in marketing have managed to keep up with the pace of product announcements, with two major and a dozen minor product launches. In addition, they have also managed to organize press tours in New York and San Francisco for the major announcements.

Several announcements have also been translated into local languages, and distributed to the relevant media list. This has especially improved the visibility of major announcements, with several outstanding results including an article in the main Brazilian newspaper "O Globo".

In addition, social media have been used on a regular basis to spread news about The Document Foundation and LibreOffice, with Twitter, Facebook and Google+ being the most active channels. These channels have complemented the TDF blog,

which has featured all news stories, including updates about the organization and life of The Document Foundation.

Marketing activities have also involved native language projects, with events and conferences in several geographies; additional information on these events may be found in the respective section.

EVENTS

The Document Foundation attended several events in 2014, either directly - with a booth and several speeches by foundation representatives - or indirectly through native language communities.

The two largest ones were FOSDEM in Brussels, the largest European meeting of free and open source developers, and CeBIT in Hannover, the largest IT exhibition and conference in Europe.

FOSDEM 2014, on Saturday February 1st & Sunday February 2nd, 2014, was a huge success for the LibreOffice community, with a large booth visited by hundreds of FOSS advocates willing to learn about the evolution of LibreOffice, or interested in contributing to the project, or simply passing by to say "thanks" to one of the volunteers. On Saturday, February 1st, LibreOffice developers provided more than 60% of the contents of the Open Document Editors DevRoom, with talks by Thorsten Behrens, Stephan Bergmann, Jan Holešovský, Tor Lillqvist, Caolán McNamara, Michael Meeks, Björn Michaelsen, Markus Mohrhard, Eike Rathke, Fridrich Štrba, Andras Timar and Miklos Vajna.

CeBIT 2014 was organized by The Document Foundation with the support of Collabora Productivity, from March 9 to March 14, 2014. The booth was staffed by several members of the German native language community - amongst them Florian Effenberger, Thomas Krumbein, Christian Lohmaier, Andreas Mantke, Jacqueline Rahemipour, Alexander Werner - with the help of Tim Eyles and Michael Meeks from Collabora, and Italo Vignoli from the Italian native language community. Florian Effenberger and Italo Vignoli spoke in the open source forum about LibreOffice and migrations to LibreOffice.



Design

Our design team is not only working on polishing up the visual appearance of LibreOffice and its associated branding and marketing materials, but also on improving the user interface

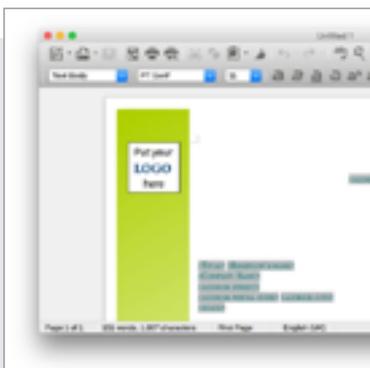
Meetings and Surveys

Starting in October 2014, design meetings were changed from monthly IRC chat meetings to weekly videoconferences. The design team also started to work on user surveys and polls.

UI Improvements

There have been many UI improvements over the course of the 4.3 and 4.4 release branches, achieved by the design team together with the developers.

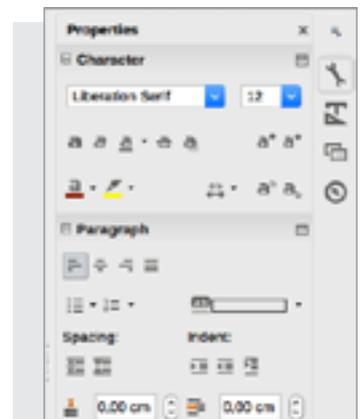
The native background is now used on OS X. There is a new color selector, and there have been related updates in the toolbars. There have been several Start Center improvements such as removing thumbnails and providing easier access to templates. There is a new line-spacing drop-down in the toolbar, as well as new bullets and numbering drop-downs.



Improving templates is also part of the design team's work

Many changes have been done in the sidebar, which is now enabled by default, but stays collapsed. The read-only mode now uses an info bar.

Several improvements have taken place regarding themes, and we've improved the Sifr, Tango, and Oxygen icon sets. The team has bootstrapped the creation of a KDE 5 icon theme, Breeze, and reorganized the toolbars in all the modules, together with improving and stripping down many context menus.



The sidebar greatly improves the user experience

There's been a general review of most LibreOffice dialogs for HIG compliance, as well as making minor improvements to some widgets, such as rulers, slide pane, and much more.

Engineering Steering Committee

The Engineering Steering Committee, or ESC as it typically is referred to, is trusted with the technical guidance and strategic planning of the LibreOffice code development

Examples include creating and maintaining the release schedule, monitor participation in projects like Google Summer of Code and hackfests (find mentors, make sure the project is signed up, pick suitable tasks to implement) and determining the minimal system requirements for both building as well as running the software, deciding whether a given implementation of a feature is ready for inclusion if there are different opinions, the certification of developers and much more.

The ESC meets weekly, in the form of telephone conferences with approximately 15 participants, on Thursdays at 16:00 (central European local time) that last between 30 and 60 minutes, depending on the agenda at hand. Recurring agenda items contain status update on previous action items and reports as well as updates from the various representatives like release engineering, quality assurance and user experience.

Besides posting the meeting minutes to the mailing lists, the calls were opened to the public in the second half of 2014, now bridging public and private conference rooms with videoconferencing.



Image by Jan Holešovský

The ESC consists of individuals from the various affected parties – with a bias on developers – but also has representatives from quality assurance, release engineering, internationalization, user experience and other areas of the project. The current ESC consists of the following steady members, listed with their affiliation.

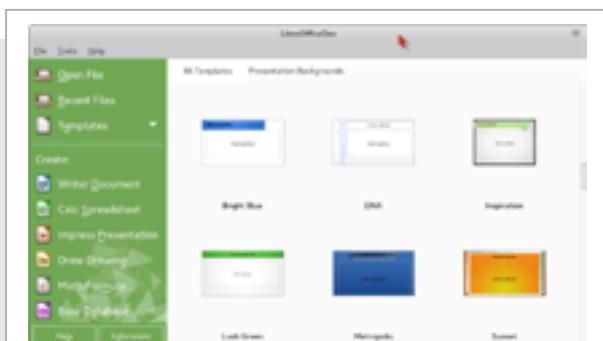
COMMITTEE MEMBER	AFFILIATION
Stephan Bergmann	Red Hat
Rene Engelhard	Individual
Adam Fyne	CloudOn
Ahmad Hussein Al-Harhi	MOTAH
Christian Lohmaier	TDF
Lionel Elie Mamane	Individual
Mirek Mazel	Individual
Eilidh McAdam	ITOMIG
Caolan McNamara	Red Hat
Michael Meeks	Collabora
Bjoern Michaelsen	Canonical
Markus Mohrhard	Collabora
Eike Rathke	Red Hat
Muthu Subramanian	Ericsson
David Tardon	Red Hat
Norbert Thiebaud	Individual
Andras Timar	Collabora
Robinson Tryon	TDF
Miklos Vajna	Collabora

Development

Development of LibreOffice has been extraordinarily active and successful during 2014. The following pages outline what has happened to the program code last year

Easy Hacks

In 2014, a total of 102 EasyHack bugs were closed, 61 of which were closed with explicit reference to source commits (the others were closed as duplicates or fixed without referencing the bug in the commit message). Besides code-cleanup and other non end-user visible changes, there were additions like Insert | Fields → Page Title in Impress or displaying the current selection's size (rows and columns) in Calc's status bar. Writer got a context-menu for easier access to the paste special function, and increasing/decreasing font size now also works if the selection contains different font sizes.



The start center has been improved during GSoC

Google Summer of Code

A total of 10 students were accepted to work on 9 different tasks:

Palneik Mihaly and Szymon Klos were both working on **Dialog Widget Conversion**, turning the remaining legacy, fixed-layout dialogs to the glade based, rescalable UI format. When they started, 64 dialogs and tabpages were remaining, and each of the two managed to convert approximately 30 of those. As the migration started with the easy ones, the two students were left with the more obscure, large and thus more difficult to convert dialogs.

In the meantime, also the remaining elements have been converted.

Andrzej Hunt (who already participated in previous GSoC) worked on **tiled rendering support for Calc and Impress**, the basis for creating viewer applications on mobile devices. Amongst the achievements are zoom controls and part selection that allows switching between tabs in spreadsheets or switching slides in a presentation, a testing-widget that allows inspecting the tile's borders/transitions for easier debugging and automated tests.

Anurag Kanungo implemented an Adobe **Pagemaker import filter**, as part of the Document Liberation Project. This involved reverse engineering the encoding of the various shapes, dealing with transformations such as rotation and skew, parsing fill and stroke patterns and mapping those to Open Document equivalents. While not all fill and stroke patterns are implemented, and the stroke is rendered differently compared to Pagemaker, the rotation, skew and geometry are preserved.

Valentin Kettner was chosen to work on **refactoring god objects in Writer**, or put in other words: His task was to turn huge code-constructs (for example SwDoc with 1800 lines just to declare members and functions) into easier to handle separate parts, that besides reducing the tight coupling and complexity also has the added benefit of reduced rebuild times if parts are changed - work that involved getting rid of old coding sins.

Efe Gürkan Yalaman worked on **improvements to the template manager** that was integrated into LibreOffice's startcenter screen. Besides just accessing and navigating templates, he also added the possibility to restructure templates by adding or removing folders.

Matteo Campanelli added **background color for characters** and worked on **chained text boxes**. While you could already link frames in Writer to have text reflow from one page to another, Draw and Impress were missing such a feature, and although the work on chained text boxes was not completed, it set the basis for adding the feature in a future version of LibreOffice.

Mihai Varga implemented **support for OneDrive and Microsoft SharePoint 2010** into libcmis, and added the necessary changes to LibreOffice to work with those two protocols. While not enabled in all LibreOffice builds, the project was completed and is integrated into the LibreOffice codebase.

Krisztián Pintér worked on **improving color section** and not only added support for loading more palette formats (like those from Gimp) and redesigned the color picker, but also implemented gathering of colors that are used in a document in a “document colors” palette. Furthermore he added a “recently used” section to conveniently reuse colors that the user did already use, and a custom color entry to easily define and use colors that are not yet included in the palettes.

Rachit Gupta **improved support for Firefox Personas**, a feature that was added in a previous GSoC. Instead of being redirected to a browser where the user would have to search for the link of a Personas to apply that the user then would copy into a LibreOffice dialog box, it is now possible to search and browse available themes from within LibreOffice itself. It is also to create themes oneself as OXT extensions and install them via Extension Manager. If multiple themes are installed, it allows to pick amongst the installed ones.

Improvements in IDE Integration

At the end of 2013, initial support for using KDevelop was added. Building on this effort, Honza Havlíček added support for Visual Studio 2012 project creation that David Ostrovsky later extended to also support Visual Studio 2013, and Markus Mohrhard used to add support for YouCompleteMe, a plugin for the popular vim editor that allows for more advanced auto-completion compared to previous solutions based on ctags.

Crashtest Machine

The Document Foundation hosts a virtual machine that is used to load (and then export into various formats and validate the result) of around 76,000 documents that are collected from various bugtrackers. It is used to both test robustness of LibreOffice when importing and exporting both valid as well as malformed or corrupted documents (it checks whether LibreOffice crashes or gets stuck), and to check LibreOffice's conformance when exporting (it verifies the created files using external validators against the corresponding formal specifications). Initially a full test-run took four to five days, but at the end of 2014 more resources were dedicated, and despite the addition of more than 15,000 files, the turnaround is now less than a day, approximately 19 hours. This allows for easier monitoring of both regressions (number of failures increases), as well as impact of fixes. Results are uploaded to a webserver, as well as sent to the developer mailing list.

Buildbot and Bibisecting

Automated builds of the master branch as well as of the two active release branches are provided by tinderboxes for all major platforms (Linux, Mac, Windows) and allow interested users and QA volunteers to test the latest changes quickly, to look out for regressions, as well as to verify fixes. Besides the so called nightly (or daily) builds, collections of hundreds of builds are provided in so called “bibisect” git repositories. Bibisect stands for “binary bisect” – using the application binaries instead of sources that have to be compiled first – to quickly pin down a range of commits (or even the exact commit, depending on the granularity of the corresponding repository) where a specific regression has been introduced. In 2014, more than 250 bugs have been bibisected.

Hackfest VMs

Since building LibreOffice can take a long time, especially on portable devices (notebooks), much time was and is spent waiting for a compilation to complete, until one can make a change and see the result of that change. For events like the hackfests, where the goal is to get new people started with development quickly, The Document Foundation did (and does) provide ready-to-use and pre-built copies of the sources in Virtual Machines, usually hosted on Amazon's EC2. A full rebuild (after a make clean, which usually isn't even necessary) then takes only 10 to 15 minutes, instead of four to six hours on the local, unprepared machine. This allows to actually spend time working with the code instead of spending the time installing build requirements and getting a first build done.

The VMs are also preloaded with various bibisect repositories, so they can be used for both programming and QA work. In 2015, more effort needs to be spent advertising the availability of the virtual machines during and in preparation of the event, as often enough participants either weren't aware of them at all or didn't know who to contact to get access.

Some Statistics

Depending on the method applied, and what kind of files you count, the number of lines of code can vary, but according to open HUB, LibreOffice consists of 7.2 M lines of actual code, of which 82% are C++, and nearly 10M lines are commented-out code or empty lines.

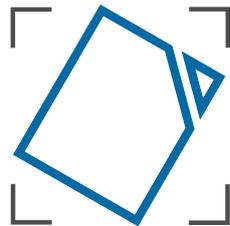
In 2014, the developer community managed to get the defect density as determined by Coverity to a rounded value of 0.00 (0.003515303 defects per 1000 lines of code as of November 2014).

More than 6,500 changes have been processed via Gerrit.

Document Liberation Project

The Document Liberation Project (DLP) was announced as a sister project to LibreOffice on April 2nd, 2014, timed to coincide with the LibreGraphics 2014 Meeting in Leipzig, Germany

DLP is a home for the growing community of developers united to free users from vendor lock-in of content. The Document Liberation Project was created to empower individuals, organizations and governments to recover their data from proprietary formats and provide a mechanism to transition that data into open file formats, returning effective control over the content from computer companies to the actual authors.



Document Liberation

Own your content

Through ongoing development, we are now able to export files into not only ODF, but also into EPUB and ABW (AbiWord) file-formats. Due to some great GSoC work by Anurag Kanungo, the DLP project has now liberated a new

format: Adobe PageMaker. Support for Microsoft Works Spreadsheet and Database have been added to libwps, and libmwaw has gained support for more than twenty additional legacy Mac formats.

Work continues in 2015 on file formats and framework improvements. We have some very interested students lined up for GSoC 2015, and are anticipating improvements to import support for Adobe FreeHand and Apple Pages formats.

More information and details are provided at www.documentliberation.org

Providing interviews to the media and giving talks at conferences, TDF has made a concerted effort to ensure that the public understands the important role that DLP plays for both LibreOffice and for the entire FOSS ecosystem.

In May, we gave a 1-hour talk during FISL15 in Brazil, booked in the primary track in the largest room. DLP has received international recognition for its work, and DLP developers have recently been invited to participate in the UNESCO PERSIST project at their meeting of experts on digital preservation.

May 2014 also brought the first official release of the underlying libvenge framework that forms the technical framework of the project. Before that point, interfaces and helper types were spread over multiple libraries, and made using and developing the DLP libraries much more complicated. Since the refactoring and simplification, DLP libraries via libvenge have been integrated in Scribus, Inkscape (0.91.x), Calligra, and LibreOffice.

LibreOffice on Android

LibreOffice is expanding beyond the desktop; TDF aims to make LibreOffice available on other platforms . In 2014, we took strong steps towards making the Android version a reality

The availability of LibreOffice on mobile platforms has been a long standing objective of The Document Foundation. The development of a full fledged office suite for the Android operating has proved to be a task too difficult for independent volunteers, and therefore the Board of Directors of TDF has decided to invest a significant portion of its budget to fund the development of a base framework including the LibreOffice program modules Writer, Calc, Impress, Draw and Math.

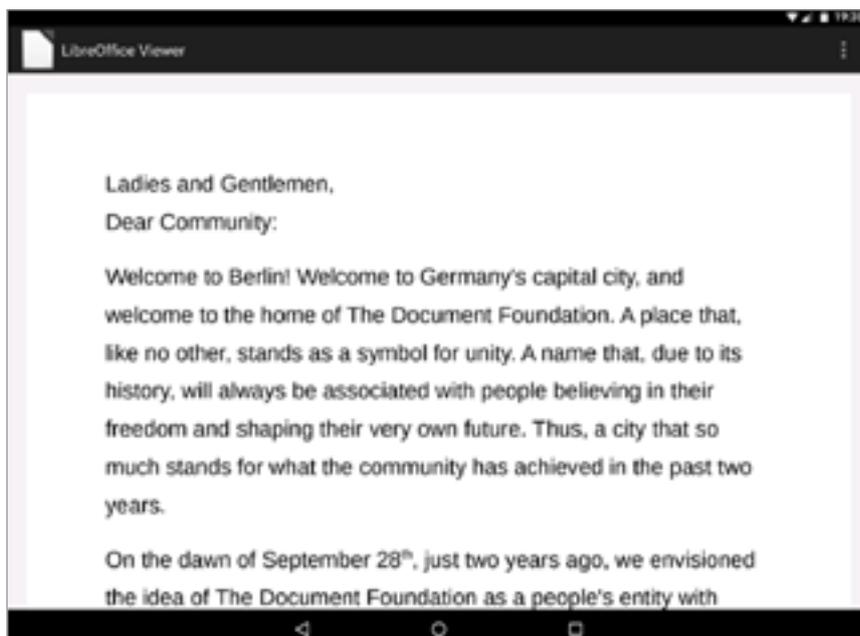
The framework has the objective of empowering the volunteer community and the ecosystem at large to work on concrete features and an end-user-ready version that can be published on Google Play Store.

On September 14, 2014, The Document Foundation launched a tender for the development of the framework, divided in four different work packages: (1) infrastructure, (2) selections, (3) touch user interface, and (4) cloud storage and email. After a thorough review of the proposals, three of the four work packages have been assigned to Igalia and Collabora, which are supposed to provide the code during the second quarter of 2015.

The three work packages are: (1) infrastructure, with integration of on-screen keyboard, routing of Android events to LibreOffice app, triggering updates of views, rendering and invalidation of tiles, insertion and deletion of content, and threading; (2) selections,

with texts and lists, tables for Writer, Calc and Impress, pictures and shapes, support for OpenGL, rendering of selections on overlays, and routing of application information from the program module's core; and (4) cloud storage and email, with toolbar with basic controls, like bold, italics and underlined, context menu, menu items, deleting selections, and loading and saving of documents.

In the meantime, Collabora has announced the development of a LibreOffice Viewer for Android, whose Beta is going to be announced in early 2015. Of course, the development background for the Viewer will be extensively used for the development of the framework.





Top Contributors

Meet the People Top contributors

The Document Foundation would like to thank all supporters for their valuable contributions - it's you who make our community grow and prosper, and everyone of you makes the difference!

TOP ASK LIBREOFFICE CONTRIBUTORS

Oweng	10.624
m.a.riosv	9.717
manj_k	9.079
qubit	6.489
ROSt52	5.060
Pedro	4.637
JohnSUN	3.844
cloph	3.117
mahfiaz	3.066
Regina	3.030

TOP TEMPLATE CONTRIBUTORS

Andras Timar	5
Olivier Hallot	3
Caolán McNamara	3
Michael Meeks	2
Alexander Wilms	2
Istvan Turi	2
David Tardon	2
Péter Szathmáry	1
Jun Nogata	1
Edmund Laugasson	1

TOP WIKI CONTRIBUTORS

K-j	5.145
Roczek, Dennis	5.074
Uroveits	4.059
Tryon, Robinson	3.260
Pierre-yves samyn	3.168
Kü	2.662
Gautier, Sophie	2.599
Tagezi	2.174
Balland-Poirier, Laurent	2.104
Bielefeld, Rainer	2.075

TOP CODE CONTRIBUTORS

Caolán McNamara	6.438
Stephan Bergmann	3.677
Miklos Vajna	1.943
Noel Grandin	1.803
Markus Mohrhard	1.486
Tor Lillqvist	1.472
Michael Stahl	1.218
Kohei Yoshida	1.058
Tomaž Vajngerl	854
Thomas Arnhold	627

TOP BUG RESOLVERS

Caolán McNamara	354
Joel Madero	333
tommy27	311
Joren De Cuyper	304
Maxim Monastirsky	303

TOP BUG REPORTERS

Jay Philips	632
Kevin Suo	127
Luke	67
Michael Meeks	66
Cor Nouws	57

*342 individuals contributed since 2014

Meet the Staff

Thanks to our generous donors, The Document Foundation has been able to contract or hire the different profiles needed to ensure the day to day work of the project



FLORIAN EFFENBERGER

Executive Director

Florian has been working as the Executive Director of The Document Foundation since March 2014. Besides handling the financials, taxes and legal aspects of TDF, he is responsible for coordinating projects and employees, and is one of the foundation's spokespersons.



ALEXANDER WERNER

Infrastructure Administrator

Alexander has been freelancing since March 2014 to administer our infrastructure. He is working on moving our systems to a fully virtualized infrastructure, implements deployment and configuration management, and is responsible to ensure operations of our servers.



SOPHIE GAUTIER

Administrative Assistant, Release Coordinator

Sophie has been contracted in December 2013. She organizes various internal and external meetings, handles organization of the LibreOffice Conference, is doing the coordination amongst the QA, L10N and NLC teams and manages all sorts of administrative tasks.



ROBINSON TRYON

QA Engineer

Robinson has been contracted in August 2014. He is working on bug triaging, bisecting, does regular testing of our snapshot builds, hosts QA events and calls and gets volunteers involved. He was also responsible for the migration of Bugzilla to our own infrastructure.



CHRISTIAN LOHMAIER

Release Engineer

Christian has been employed by The Document Foundation in June 2013. He is handling prereleases and releases, takes care of mirroring and distribution of builds, keeps track of blockers, administers buildbots, and is also involved with the infrastructure and website teams.



ITALO VIGNOLI

Marketing & PR

Italo has been a freelancer for The Document Foundation since December 2013. Next to his work in the certification program, being responsible for developer certification as well as certification of trainers and migration professionals, Italo is also contracted for marketing and PR. He is one of the foundation's spokespersons.

Meet the Board

The Board of Directors is the elected legal representative of The Document Foundation, and takes strategic decisions to fulfill our mission



THORSTEN BEHRENS

**Chairman of the Board,
TDF Founder, LibreOffice
lead at CIB GmbH**

Thorsten was part of the OpenOffice.org project almost from the start, when he joined the then-Sun-Microsystems development team back in early 2001. He's a computer scientist by education, and a Free Software enthusiast by heart, a geek from early childhood - and someone who was lucky enough to turn a hobby into an occupation. During his now fourteen years of tenure in the project, he's spent most of his time hacking the code in areas ranging from build system, platform abstraction libraries, Impress and Writer. Thorsten is happily employed at Germany's CIB GmbH, both providing support for customers and integrating LibreOffice into new products.



ELIANE DOMINGOS DE SOUSA

**Deputy Chairman
of the Board**

Entrepreneur, partner of EDX Informatica and EDX Coworking, elected member of the Board of Directors and Vice Chairman of the Document Foundation since 2014. Active volunteer member of the Brazilian LibreOffice Community, Brazilian LibreOffice Magazine editor and designer, member of the Rio de Janeiro chapter of FOSS community, editor of SempreUpdate blog, LibreOffice Brazil blog, iMasters blog, manager of the Brazilian LibreOffice National Meeting and the lectures cycle of FOSS for SINDPD-RJ.



MICHAEL MEEKS

**VP of Productivity,
Collabora**

Michael is a Christian and enthusiastic believer in Free software. His long involvement with LibreOffice started before it was open sourced at OpenOffice.org, working with Sun to see how best to integrate it with the Linux GNOME Desktop. Michael has lead, and helped to grow investment in the code-base through Ximian, Novell and SUSE, contributing code to many of the components of the suite. He now leads Collabora's Productivity division. In other roles, he has contributed to MeeGo, GNOME, CORBA, Nautilus, Evolution and accessibility, amongst many other interesting things.



FRIDRICH ŠTRBA

**Developer, Trained
Monkey, GSoC Mentor**

Fridrich is a Christian and enthusiastic participant in Free Software. He has worked with the LibreOffice code-base for many years improving many aspects of file filters, starting with the Wordperfect filter. After making that a beautiful thing, he moved onto security issues and filters for other formats such as Wordperfect Graphics, Works, Visio, CorelDraw and more. He works for SUSE, and in his spare time maintains different import filters within LibreOffice. He also excels at mentoring, nurturing and including new programmers in the project.



ADAM FYNE

Interoperability Team Leader, CloudOn

Adam is an enthusiastic technologist and a software engineer with experience of 13 years in computer programming in demanding environments. He has a bachelor's degree in Computer Engineering and he has always loved coding since the days of QBasic. Adam has joined CloudOn & LibreOffice development since April 2013, and is leading a team of engineers working on Writer, mainly on improving interoperability with Microsoft OOXML files and adapting the LibreOffice project to the mobile devices market.



JOEL MADERO

Member

Joel Madero joined The Document Foundation (TDF) in 2011 as a computer hobbyist, mostly contributing to the quality assurance (QA) side of the project. Joel helped build a cohesive, hard working, and dedicated QA team during his first two years with the project. He represented QA on the ESC call, helped organize regular bi-weekly QA calls, and, thanks to some patient developers mentoring him along the way, was able to commit a few patches. Joel and his wife live in San Diego and is currently attaining his law degree.



BJÖRN MICHAELSEN

Developer, LibreOffice Package Maintainer at Ubuntu

Bjoern Michaelsen is a currently employed by Canonical Ltd. and is responsible for the packaging for LibreOffice on Ubuntu. He joined the company and LibreOffice development in February 2011, coming from Oracle (and before that Sun), where he was working on the same codebase for a few years in the Writer/Framework area. Even since long before that he is an open source enthusiast and did start with minor contributions to a range of open source projects.

BOARD DEPUTIES



ANDREAS MANTKE

Maintainer of the LibreOffice Extension and Template Site Infrastructure

Having made his first experience with free software at the end of the 1990s, and having joined the OpenOffice.org project in 2002 as contact person for documentation and as maintainer of the portable version, Andreas supported the way to an independent foundation from the announcement in September 2010 on and started working on different areas of LibreOffice during his spare time. He worked for the infrastructure team and attends many events on behalf of the community.



EIKE RATHKE

Senior Software Engineer at Red hat, Inc., Developer, Hacker, Transpositionizer

Eike has been a StarOffice/OpenOffice.org/LibreOffice hacker since the early days at Star Division, and nowadays works for Red Hat, Inc. He was also a member of the OASIS technical committee for the Open Document Format for Office Applications (ODF) and an editor of the OpenFormula part (aka ODFB) of the ODF standard. His main areas of expertise are the Calc spreadsheet core, formula compiler and interpreter, number formatter/scanner, the i18n framework and locale data. Eike is an ardent supporter of Free Software.

NORBERT THIEBAUD

Volunteer

Norbert joined the project with his first code contribution literally one day after we announced it on Sept. 28th, 2010, and has since been working as a volunteer on things as diverse as build system, code cleanups, git & Gerrit, foundation statutes and membership management software.

Meet the Membership Committee

The Membership Committee appoints and renews our Board of Trustees (“Members”) following the criteria defined in our statutes



COR NOUWS

Chairman of the Membership Committee

Member Certification Committee, QA, Trainer, Migrations Manager

Migrations Manager

Cor Nouws is one of the founding members of The Document Foundation. Before starting with LibreOffice, Cor Nouws has contributed for years to OpenOffice.org, among others as community representative in the Community Council. For LibreOffice he continues supporting marketing, QA and other areas, as he did before the free-making of OpenOffice.org. His involvement in the free office community is a natural combination with his position as founder of the Dutch consulting firm Nou&Off, leading in training and migrations for OpenOffice and LibreOffice.



DAVID EMMERICH JOURDAIN

Member Certification Committee, List Moderator

David has been helping with LibreOffice (and with TDF) since the beginning, as he is a founding member of TDF. He is also helping since 2007, when OpenOffice.org was needing a pt_BR translation. On that moment, he involved some college students from the University where he worked and, in a few weeks, they already had a full pt_BR translation for OpenOffice.

With a few years of experience in applications processes, not only in open source communities, but also at University Programs and International Research Programs for IT, he has done over 100 lectures in Brazil, Chile, Argentina, Paraguay and Uruguay, teaching how to set up research groups to FLOSS, and he also has established relationships with other research institutions and/or Universities in USA and Germany, to foment and to promote joint tech development programs, always under free licenses. Right now, he is also coordinating a research team for open technologies. He is one of the translators of the LibreOffice Magazine Brazil, where he is writing articles for this magazine since the first edition and is also helping TDF as list moderator for pt_BR.



JAN HOLEŠOVSKÝ

Developer

Jan Holesovsky is with LibreOffice from the very beginning, and was with OoO previously; now for more than 11 years. He is primarily a developer, but reaches out to the other groups too – he has been translating to Czech, works with the designers, and in marketing. He is a regular GSoC mentor.



CHARLES-H SCHULZ

Marketing

Charles-H Schulz has been one of the co-founders of the LibreOffice project and used to be a contributor of the OpenOffice.org project. These days he is mostly involved in comms and marketing for the community.



GABRIELE PONZO

Early adopter from StarOffice time, he joined Progetto Linguistico Italiano OpenOffice during the 2009 Conference in Orvieto, and has been part of OpenOffice.org community until LibreOffice was born. Training and support are his most activities and he's been working on LibreUmbria project as a teacher.

Co-founder of Libreltalia, where he's also in the BoD. His contributions are mostly in speaking at conferences, some translation and user support in Italian mailing list. He's been also a radio speaker for many years and hopes to help with speech on explaining videos and e-learning objects, as well as to be soon a certified trainer and participate in more migrations.

COMMITTEE DEPUTIES



KLAUS-JÜRGEN WEGHORN

Starting with the comment "There is a mistake on the webpage" on the German mailing list, Klaus-Jürgen as a normal user got involved step by step in the project work of OpenOffice.org and LibreOffice; first in localized and later in international work of wiki, website, design, documentation and marketing.



ANDRAS TIMAR

Andras Timar started to work on the Hungarian localization of OpenOffice.org in 2002. He joined the LibreOffice project on the first day and started to work on localization related issues, including tools and infrastructure. He worked full time as a paid developer with the SUSE LibreOffice Team from April, 2011 to August, 2013, and he has been contracted by Collabora Ltd. since then. His LibreOffice related activities included coordination of localizations, release engineering, hacking on Windows installer, hacking on localization tools, general bugfixing, and mentoring students.

Board of Trustees

The Board of Trustees is the heart of The Document Foundation, reflecting the principle of meritocracy. Appointed by the Membership Committee, this formal body consists of those individuals who regularly contribute to our projects and the good of TDF. Without you, we would not be where we are today - thank you very much for all your work and efforts!

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Advisory Board

Meet the People
Advisory Board

The Document Foundation would like to thank the members of its Advisory Board for their ongoing support and advice, and for helping us to fulfill our mission



WE WELCOME
OUR NEWEST
MEMBERS:



“ ***It's a no-brainer to recommend LibreOffice [...] thanks to Libre's consistent release schedule and the increasingly polished quality of the product.*** ”

Serdar Yelgulalp, Senior Writer, InfoWorld

<http://www.infoworld.com/article/2889314/applications/review-libreoffice-4-4-raises-the-bar.html>

