LibreOffice 3.5
"the best free office suite ever"
<table>
<thead>
<tr>
<th>SEARCH</th>
<th>italo vignoli</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projects</td>
<td>People</td>
</tr>
<tr>
<td><strong>People</strong></td>
<td></td>
</tr>
<tr>
<td><strong>italovignoli</strong></td>
<td></td>
</tr>
<tr>
<td>Contributes to <a href="https://www.libreoffice.org">LibreOffice</a></td>
<td></td>
</tr>
<tr>
<td>6 total commits to 1 project</td>
<td>Most experienced in XML</td>
</tr>
</tbody>
</table>
The Way We Were ...
Build dependencies SO 5.2 (2000)
Build dependencies OOo 2.0 (2005)
Community building

- Build environment improvements (Kai Backman from Google, Volker Quetschke and Novell involved)
  - Reduction of Code Complexity
- Mentoring in the Google Summer of Code
- Further improvement of patch handling
- More transparency
  - Updating current project sites
  - Wiki
  - Group blog
- Online trainings, hands-ons for different skill levels
- Mentoring newbies
Cleaner & Leaner Source Code

Removal of Unused Methods

July 2011 to December 2011
The Way We Are ...
LibreOffice Code Contributors

<table>
<thead>
<tr>
<th>Occasional</th>
<th>Easy Hacks</th>
</tr>
</thead>
<tbody>
<tr>
<td>(250 volunteers)</td>
<td>Small Patches</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Regular</th>
<th>Easy Hacks</th>
</tr>
</thead>
<tbody>
<tr>
<td>(100 volunteers)</td>
<td>Large Patches</td>
</tr>
<tr>
<td></td>
<td>Small Features</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core</th>
<th>Key Patches</th>
</tr>
</thead>
<tbody>
<tr>
<td>(50 paid/volunt)</td>
<td>Key Features</td>
</tr>
<tr>
<td></td>
<td>Dev Strategy</td>
</tr>
</tbody>
</table>
Balanced Developers Community

LibreOffice

Commits by Company/Group

- SUSE
- Post-TDF Launch Volunteers
- RedHat
- Oracle (OOo Code)
- Pre-TDF Launch Volunteers
- Canonical
- Other Companies
Growth of New Code Committers

Cumulative Number of LibreOffice New Code Committers

- New Hackers
- Old Hackers

<table>
<thead>
<tr>
<th>Month</th>
<th>New Hackers</th>
<th>Old Hackers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sep 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nov 10</td>
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<tr>
<td>Dec 10</td>
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<tr>
<td>Jan 11</td>
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<tr>
<td>Feb 11</td>
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<tr>
<td>Mar 11</td>
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<tr>
<td>Apr 11</td>
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<tr>
<td>May 11</td>
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<tr>
<td>Jun 11</td>
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<td>Jul 11</td>
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<td>Aug 11</td>
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<td>Sep 11</td>
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<td>Nov 11</td>
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<tr>
<td>Dec 11</td>
<td></td>
<td></td>
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<tr>
<td>Jan 12</td>
<td></td>
<td></td>
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<tr>
<td>Feb 12</td>
<td></td>
<td></td>
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<tr>
<td>Mar 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apr 12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Stable Number of Committers

LibreOffice Code Contributors per Month

- New Hackers
- Old Hackers
Stable Number of Commits

LibreOffice Code Commits per Month

- Sep 10
- Oct 10
- Nov 10
- Dec 10
- Jan 11
- Feb 11
- Mar 11
- Apr 11
- May 11
- Jun 11
- Jul 11
- Aug 11
- Sep 11
- Oct 11
- Nov 11
- Dec 11
- Jan 12
- Feb 12
- Mar 12
- Apr 12
Cumulative Unique IPs for 3.5.x
Reduced footprint of the software
Undertaken long awaited code renovation
Removed tens of thousands lines of dead code
Removed deprecated libraries
Translated many German comments to English
Many other code renovation actions
All: paying down substantial technical debt
Using 20'th Century C++ constructs
Ongoing Quality Process

Background Development Tools
- Tinderboxes (14) compile the code after each commit
- Hackers can check development problems in real time
- 9 tinderboxes upload dailies for QA ongoing activities
- Bibisect (Binary Bisect) help chasing regressions
- Multiple office installs in a small package allow to spot the commit that introduced the bug
Automated tests to prevent software problems
- Fuzzy tests on filters to anticipate security issues
- Nightly builds to execute tests on newest versions
- Objective: to spot problems before they hit master
- Tests integrated into development strategy
- Every compile iteration by every developer on every platform runs new torture tests
LibreOffice 3.4
New Features
New Feature: LibreOffice 3.4

New gradient / drop-shadow to highlight Writer pages
New Feature: LibreOffice 3.4

Color and line styles for the columns and footnote separator lines
New Feature: LibreOffice 3.4

Greek Characters mode for bullets and numbering
New Feature: LibreOffice 3.4

Redesigned Move/Copy Sheet dialog
New Feature: LibreOffice 3.4

Named range as the data source for Pivot Table
New Feature: LibreOffice 3.4

Improved search toolbar opens by hitting Ctrl+F
New Feature: LibreOffice 3.4

Adding and removing color charts
New Feature: LibreOffice 3.4

Improve HTML export with an image thumbnail gallery of the slides on the contents page
New Feature: LibreOffice 3.4

Linux text-rendering improvements
LibreOffice 3.5
New Features
New Feature: LibreOffice 3.5

Better UI for Header and Footer handling
New Feature: LibreOffice 3.5

First ever built-in Grammar checker for English (and a few other languages...)

English sentence checking in LibreOffice

Default checks

- Some word duplications: and and or or for for the the.
- Simple grammar checking: Her's is a better idea.
- Articles: a hour, an one-way, etc. It doesn't check ambiguous (for example a/AN hotel) and unknown (misspelled) word.
- Capitalization of words in more sentences in the paragraph.
- Punctuation: (period, colon, semicolon, colon, period, exclamation mark, question mark, etc.)
- Typewriter dashes: foo—bar or foo—bar
- Missing space: g
- Multiplication sign: 4x4 → 4×4.
- Double or triple spaces between words.

Settings for optional features
Tools » Extension manager » English dictionary extension » Options:
New Feature: LibreOffice 3.5

New Hinting on Linux Libertine G and Linux Biolinum G
**New Feature: LibreOffice 3.5**

**Multi Line input bar in Cal**

![Multi Line input bar in Cal](image)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>This is a demo of the multi-line input bar</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
New Feature: LibreOffice 3.5

Unlimited conditional formatting
New Feature: LibreOffice 3.5

Re-designed Autofilter popup window
Support embedding Palettes and other property list types (we could only embed palettes into Impress ODP thus far)
New Feature: LibreOffice 3.5

Line chart smoothing upgraded to ODF1.2 standard
New Feature: LibreOffice 3.5

Import filter for MS Visio documents
New Feature: LibreOffice 3.5

Import filter for MS Visio documents
New Feature: LibreOffice 3.5

Import filter for MS Visio documents
New Feature: LibreOffice 3.5

Toolbar improvements
New Feature: LibreOffice 3.5

The word count dialogue is now mode-less and updates as you type

This feature is key for professional writers like journalists and translators
New Feature: LibreOffice 3.5

Improved color picker
New Feature: LibreOffice 3.5

Importing PPTX SmartArt

Sample Slide containing SmartArt in extLst

This is a test document with dummy content – really!

Something to start with
Cleanup
Fix bugs
Add features and fix more bugs
All this to get LibreOffice 3.5!
New Feature: LibreOffice 3.5

RTF import rewrite
New Feature: LibreOffice 3.6

Support for contextual spacing
New Feature: LibreOffice 3.6

Label / Business Card Wizard
New Feature: LibreOffice 3.6

Improved CSV export
New Feature: LibreOffice 3.6

Support field items in cells
New Feature: LibreOffice 3.6

Allow Sorting from Autofilter popup window
New Feature: LibreOffice 3.6

Quickly allow pasting only text, value, or formula from the context menu.
New Feature: LibreOffice 3.6

Corel import filter
New Feature: LibreOffice 3.6

PDF Export with Watermark option
New Feature: LibreOffice 3.6

Rulers are now much cleaner and more light-weight
Lots of Promising Students & Mentors

Andrzej Hunt - **Smartphone remote control** for Impress

ArturoPL - Tooling - More and better **unit tests**

Brennan Vincent - Implementing a **Microsoft Publisher** import filter

Daniel Bankston - **Calc Performance** Improvements

Daniel Korostil - Lightproof **grammar checker** improvements

Gökcen Eraslan - Signed **PDF export**

iai - Java **GUI** for Libre-Office Based **Android** App(s)

Marco Cecchetti - Enhanced Impress **svg export** filter

Matúš Kukan - **Telepathy for collaborative editing**

Rafael - New **templates** picking **UI**
The Way We Will Be ...
We produce documents
We edit/modify documents
We exchange/store documents
We print/duplicate documents
ODF on Every Platform

Desktop: LibreOffice
Cloud: LibreOffice OnLine
Mobile: LibreOffice OnPads
One Document Format: ODF
Open Document Format

ISO/IEC Standard 26300
Driven and maintained by OASIS
Implemented to the latest version
Recognized by many governments
Cloud: LibreOffice OnLine

HTML5 approach: full feature experience: i.e. Complex text-layout, complex spreadsheets, WYSIWYG editing, VBA macros, Pivot Tables, etc.

Based on GTK+ 3 Broadway backend for rendering

Still a prototype, rendering performance improving

Targeting mainly enterprise or ISP private clouds
Software code already compiling
Mobile touch interface still completely missing
Developer's community starting to aggregate
Leading developer: Tor Lillqvist from SUSE
Growing the Ecosystem

Educating enterprises about getting professional support for LibreOffice Certification program, to allow community members to add value - and make money - with LibreOffice
Help migrations from MS Office to LibreOffice, based on professional consultancy and support
THE JOURNEY HAS JUST BEGUN