

# Collabora



## Libre Office what we fixed in 4.2/4.3

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# Agenda

- Intro: what is Libreoffice?
- What we fixed in:
  - 4.2 / stable
  - 4.3 / fresh
- Prototypes
- Under the hood
- The Document Foundation
- How you can help



# Introduction

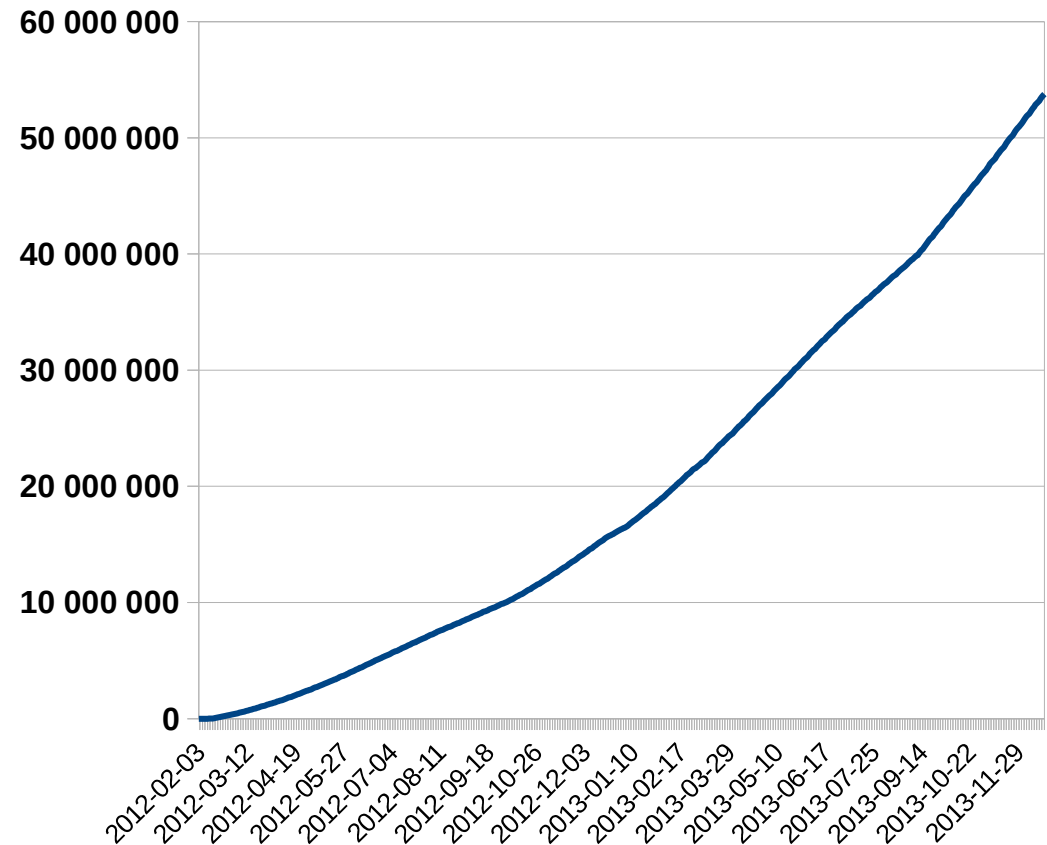


# LibreOffice: Project & Software

- Free Software
- One million new unique IP / week
- Tens of millions of users, growing fast
- 2500+ commits last month
- 100+ developers

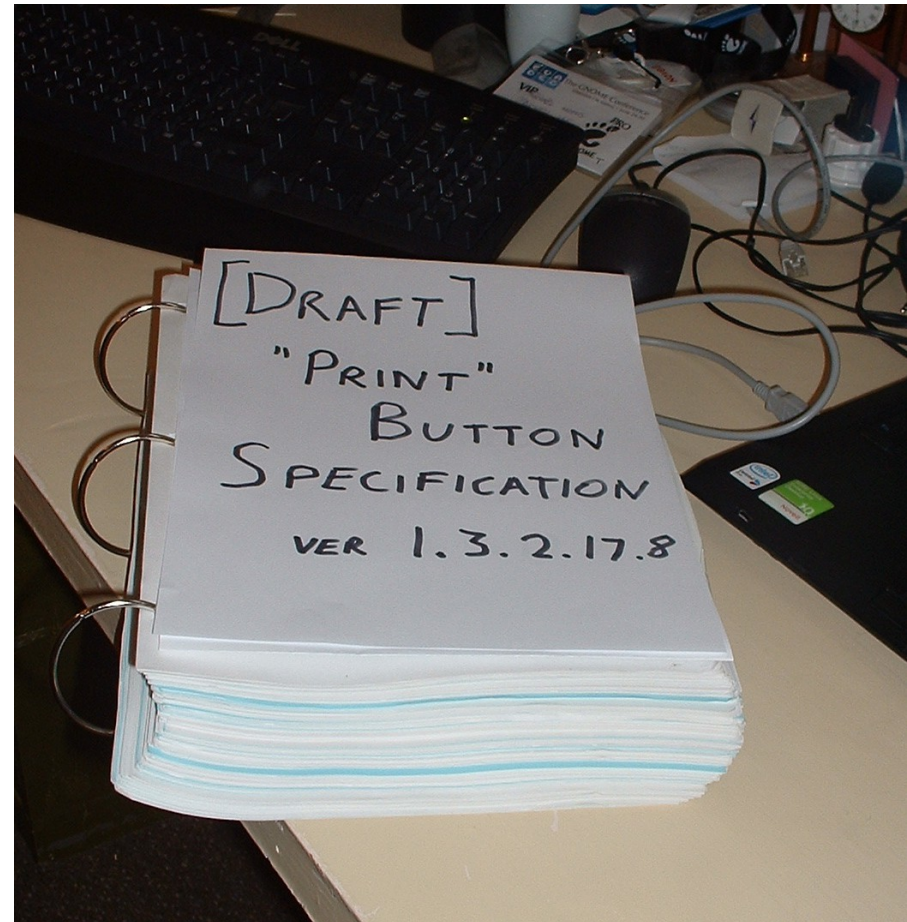
Cumulative unique IP's for updates vs. time

not counting any Linux / vendor versions



# The fork of OpenOffice.org

- It was hard to contribute



# Platforms

- Most users are on Windows
- A considerable amount also on Mac
- Most developers are on Linux:



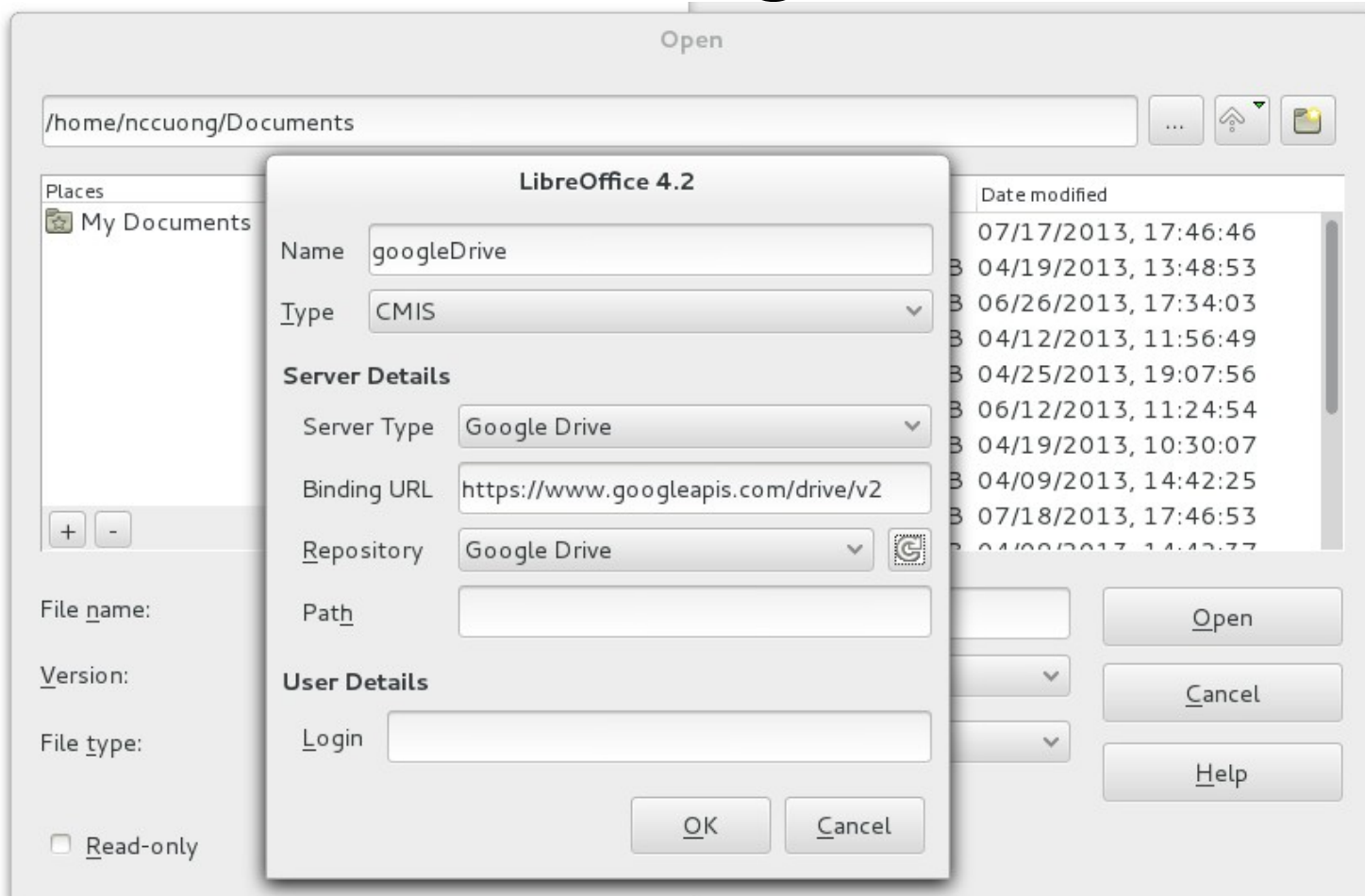
# What we fixed in 4.2







# GDrive integration (via libcmis)

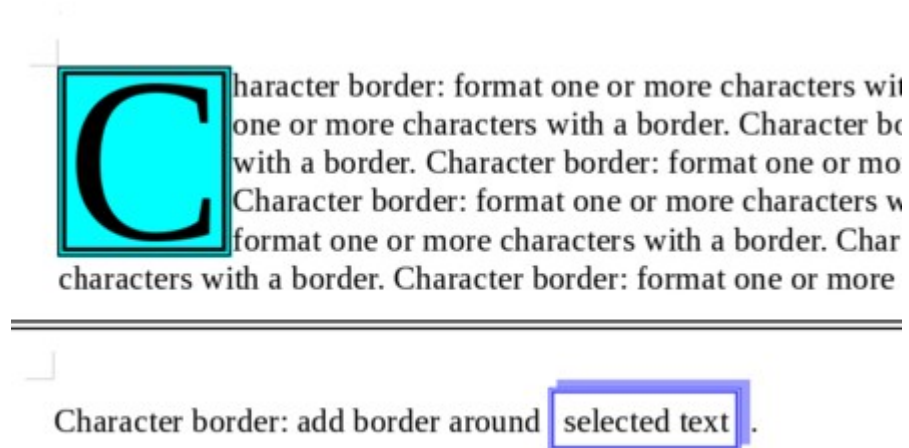


With  
thanks to  
*Cuong  
Cao Ngo*  
and  
*Cedric  
Bosdonnat*



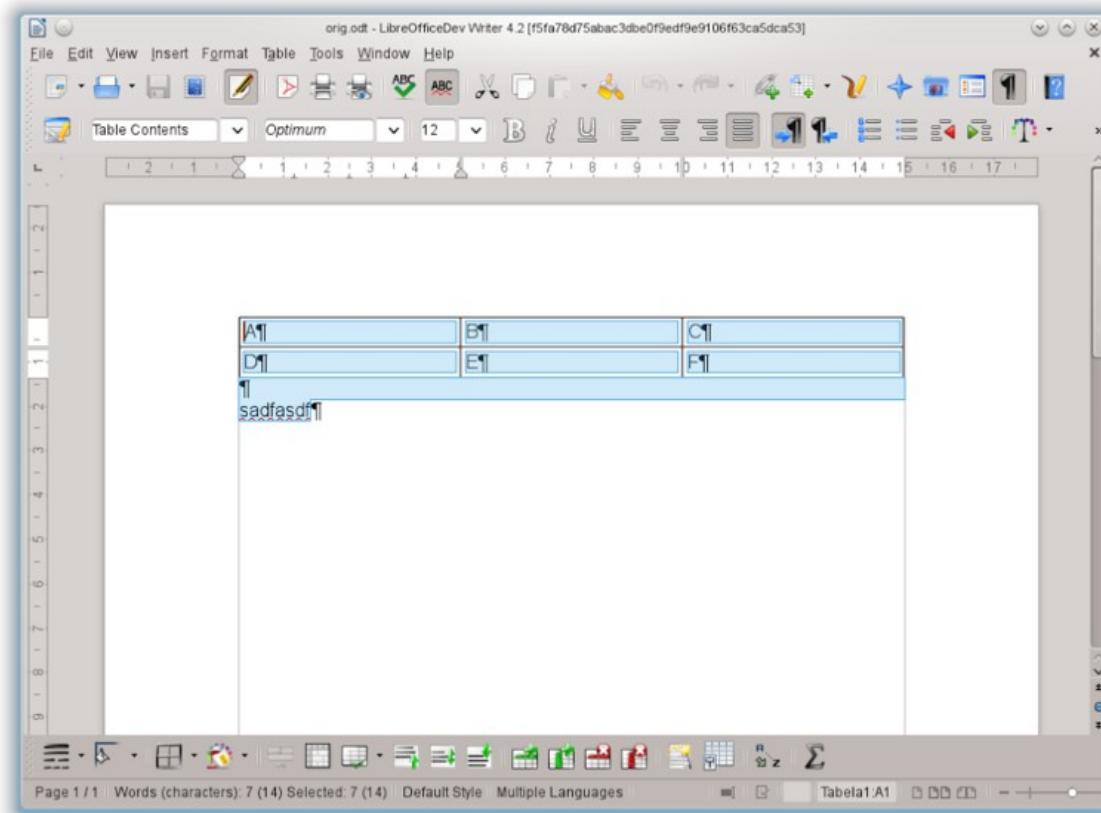
# Writer

- Character borders
  - Thanks to Tamás Zolnai



# Writer

- Select all now works, if doc starts with a table



# Calc

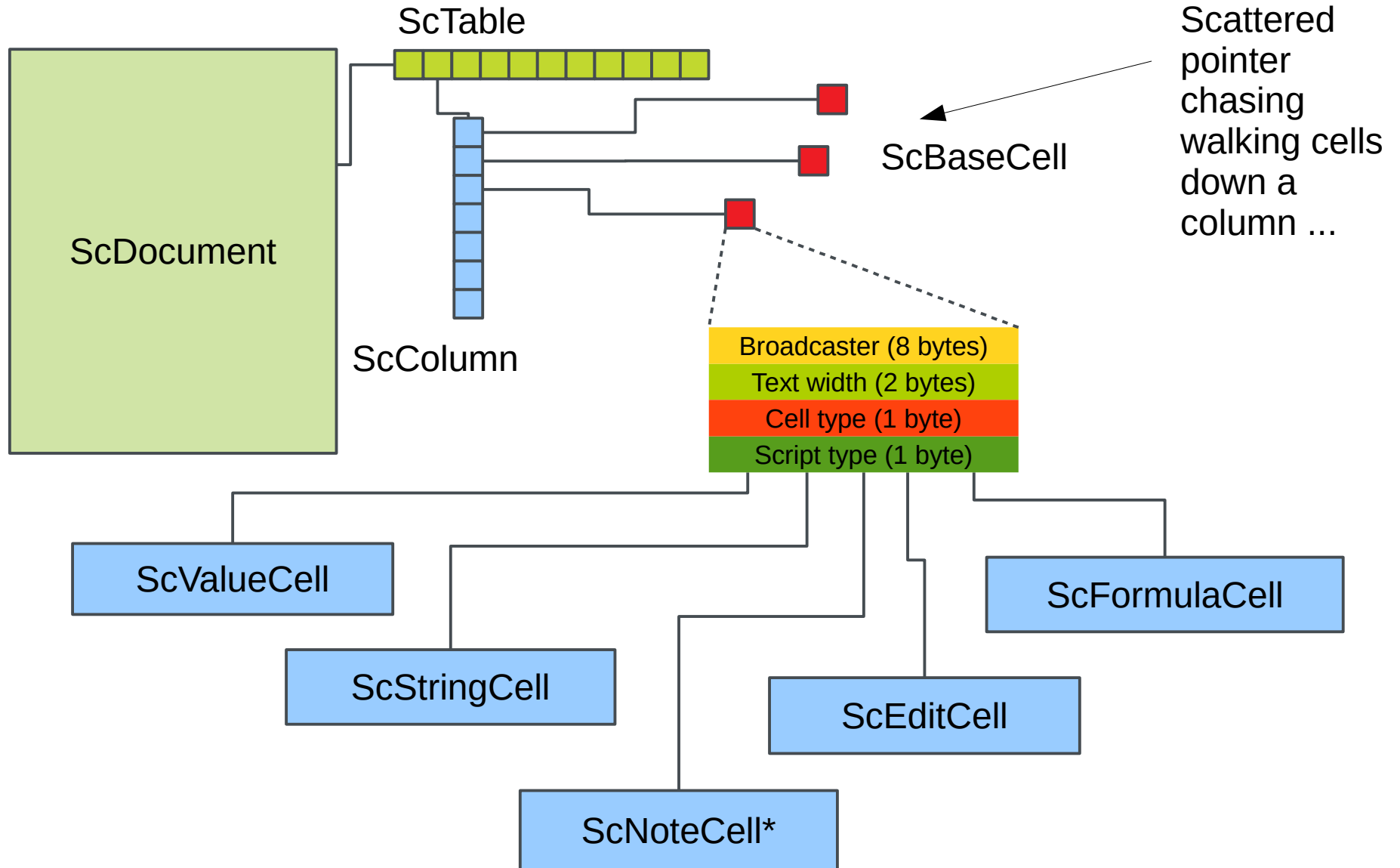
- Conditional formats: bars and icons

	A	B	C
1	Name	Score A	Score B
2	Mary	16.38%	65.98%
3	Bob	22.35%	32.36%
4	Abdul	22.61%	13.90%
5	Holly	49.00%	77.50%
6	Oak	17.57%	18.98%
7			

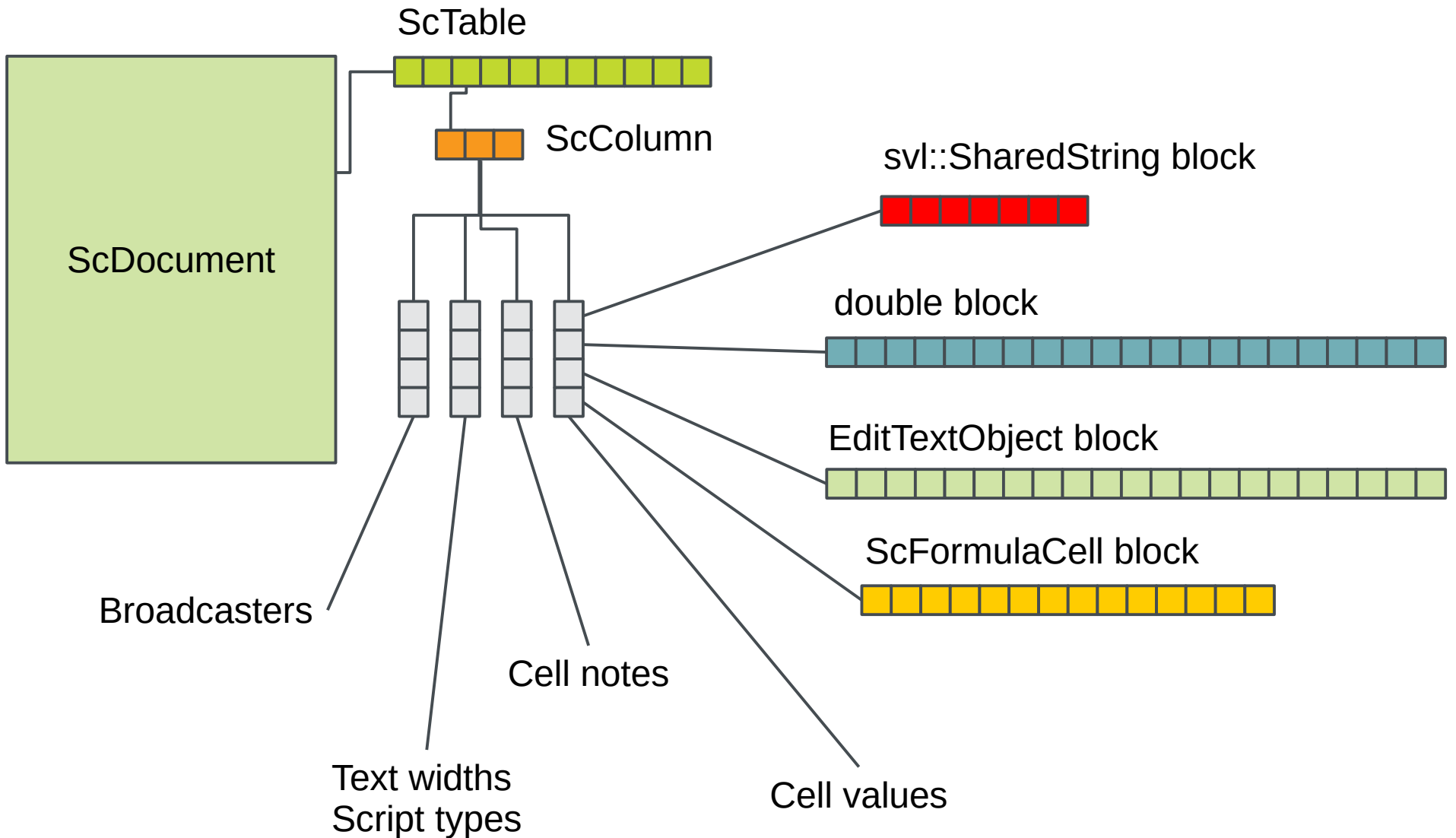
Customer requested feature:  
Implemented by a Collabora  
Engineer.



# Calc: storage rework – before

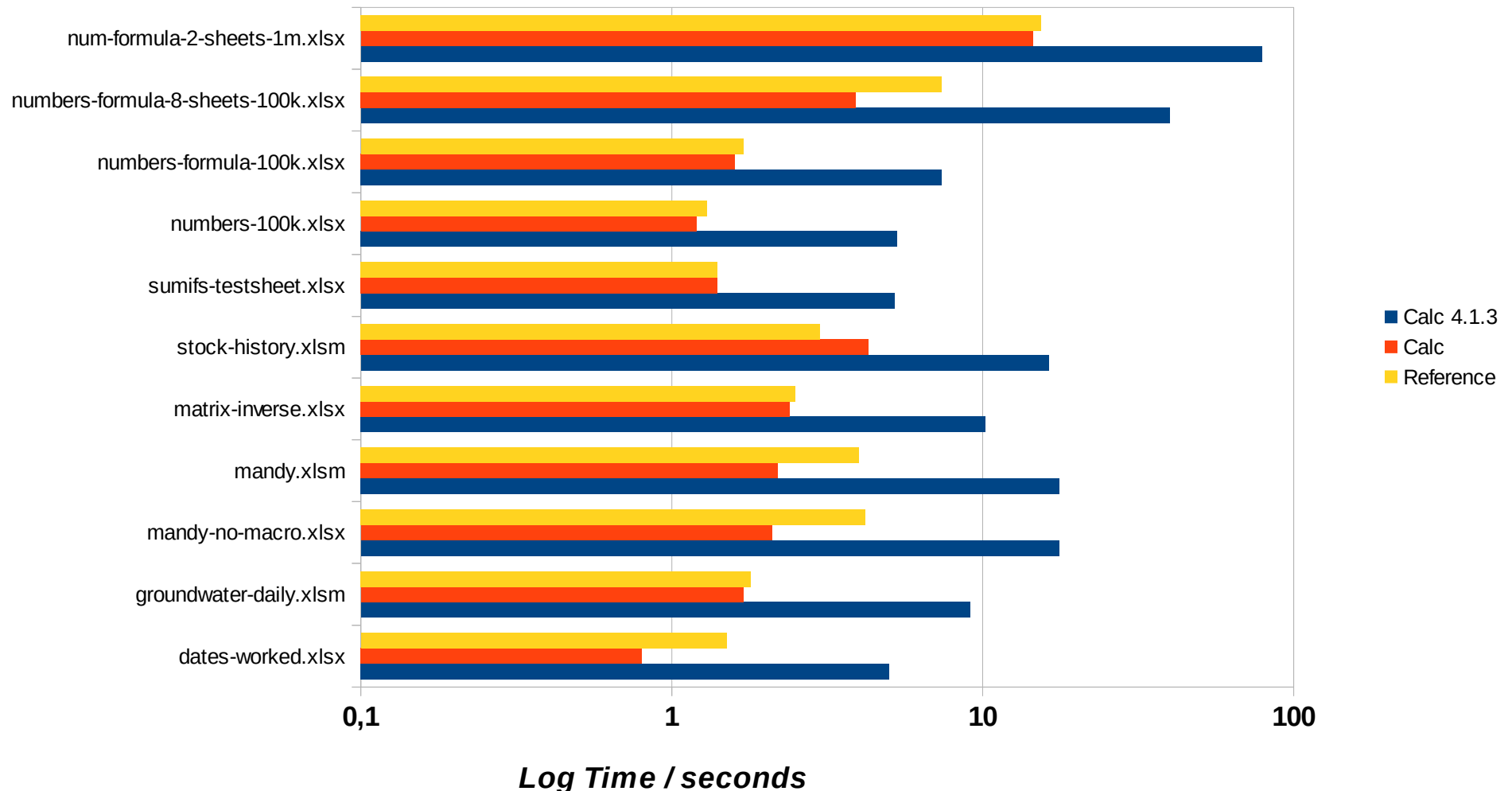


# Calc: storage rewrok – after



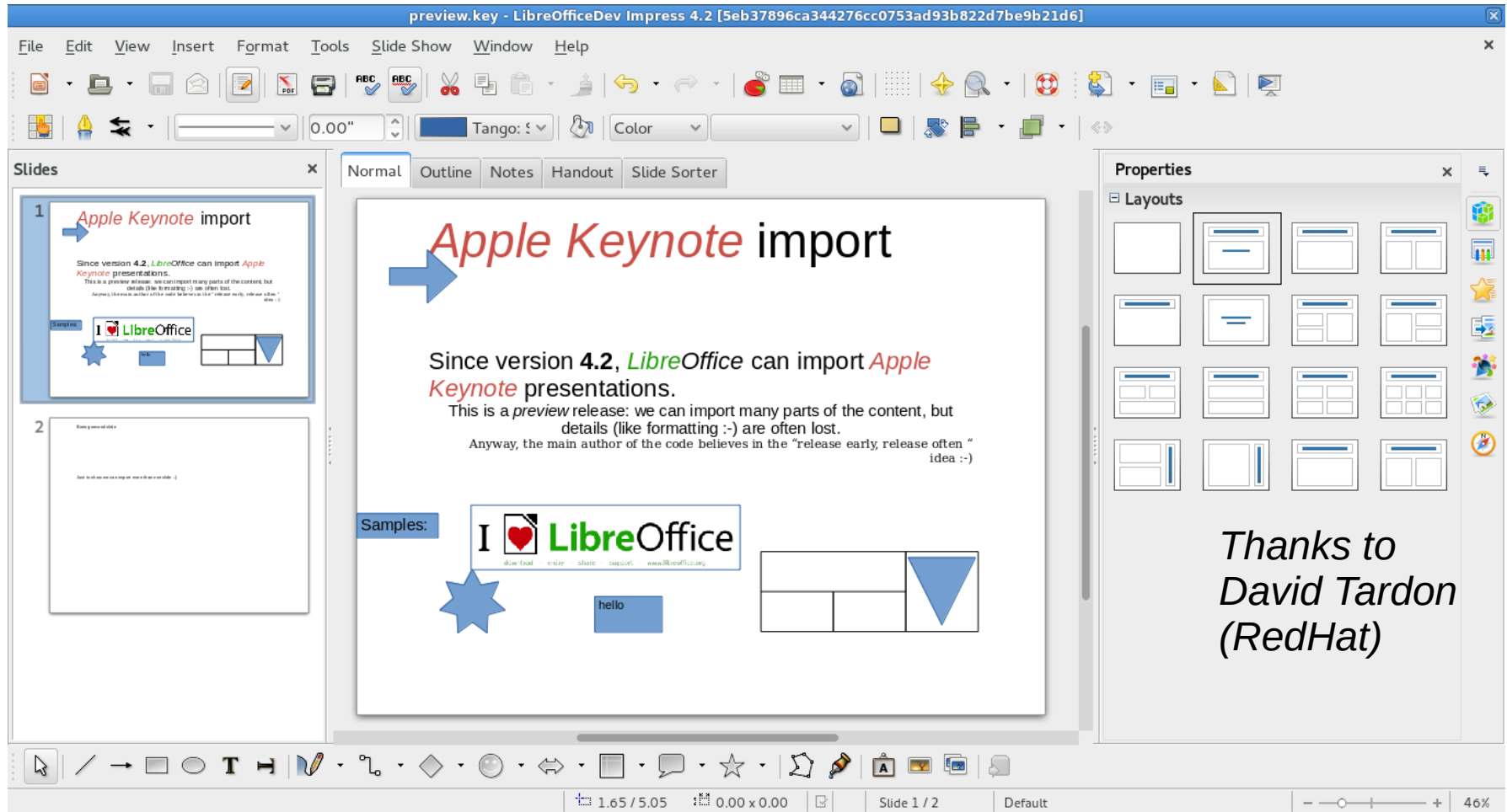
# Calc: storage rewrok – results

Wall-clock time to load set of large XLSX spreadsheets: 8 thread Intel machine



# Impress

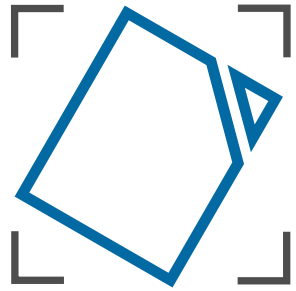
- Initial Keynote import:





# What we fixed in 4.3





Document  
**Liberation**  
Own your content

Fantastic work on a diversity of file filters:  
Wordperfect, MS Publisher,  
MS Works, Keynote,  
Visio, MWAW (stable),  
Abiword, E-book, Freehand  
& more in progress.

David Tardon, Fridrich Štrba, Валёк  
Филиппов & others



# Writer

- Long paragraphs:

A single writer paragraph with more than 65535 characters.

Properties of Untitled1	
General	Description
CMIS Properties	Security
Font	Statistics
Number of Pages:	22
Number of Tables:	0
Number of Images:	0
Number of OLE Objects:	0
Number of Paragraphs:	1
Number of Words:	18144
Number of Characters:	104328
Number of Characters excluding spaces:	86184
Number of Lines:	713

Update

OK Cancel Help Reset



# Writer: printing notes

These guys on Paper / PDF:

DEARBHÚ UILE-CHOITEANN CEARTA AN DUINE

BROLLACH

De Bhrí gurb é aithint dínte dúchais agus chearta combhionanna do-shannta an uile dhuine den chine daonna is foras don tsaorise, don cheartas agus don tsíocháin sa domhan,

ge nitive singular of dúchas

Caolán McNamara  
Today, 10:36

De Bhrí gur thionscain a neamhaird agus an mí-mheas ar chearta an duine gníomhartha barbartha a chuir uafás ar choinsias an chine daonna, agus go bhfuil fórógartha gurb é meanmarc is uaisle ag an gcoitiantacht saol a thabhairt i réim a bhéarfás don duine saoirse chainte agus chreidimh agus saoirse ó eagla agus ó amhgar,

De Bhrí go ndearna pobail na Náisiúin Aontaithe sa Chairt dearbhú athuair ar a gcreideamh i gcearta bunúsacha an duine, i ndínt agus i bhfiúntas pearsan an duine agus i gcearta combhionanna fear agus bean, agus gur chinneadar tacú leis an ascnamh sóisialach agus réim maireachtana níos fearr a thabhairt i gcrích faoi shaoirse níos fairsinge,

Noun masculine  
1st declension

Caolán McNamara  
Today, 10:37

De Bhrí gur ghabhadar na Stát-Chomhaltai faoi chuing ghealltanais go ndéanfaid, i gcomhar leis na Náisiúin Aontaithe, urraim uile-choiteann éifeachtach d'áirithiú do chearta agus do shaoirsí bunúsacha an duine.

De Bhrí go bhfuil sé fíor-thábhachtach, chun an gealltanais sin a chomhalladh ina iomláine, go mbeifí ar aon-tuiscint maidir leis na cearta agus na saoirsí sin,

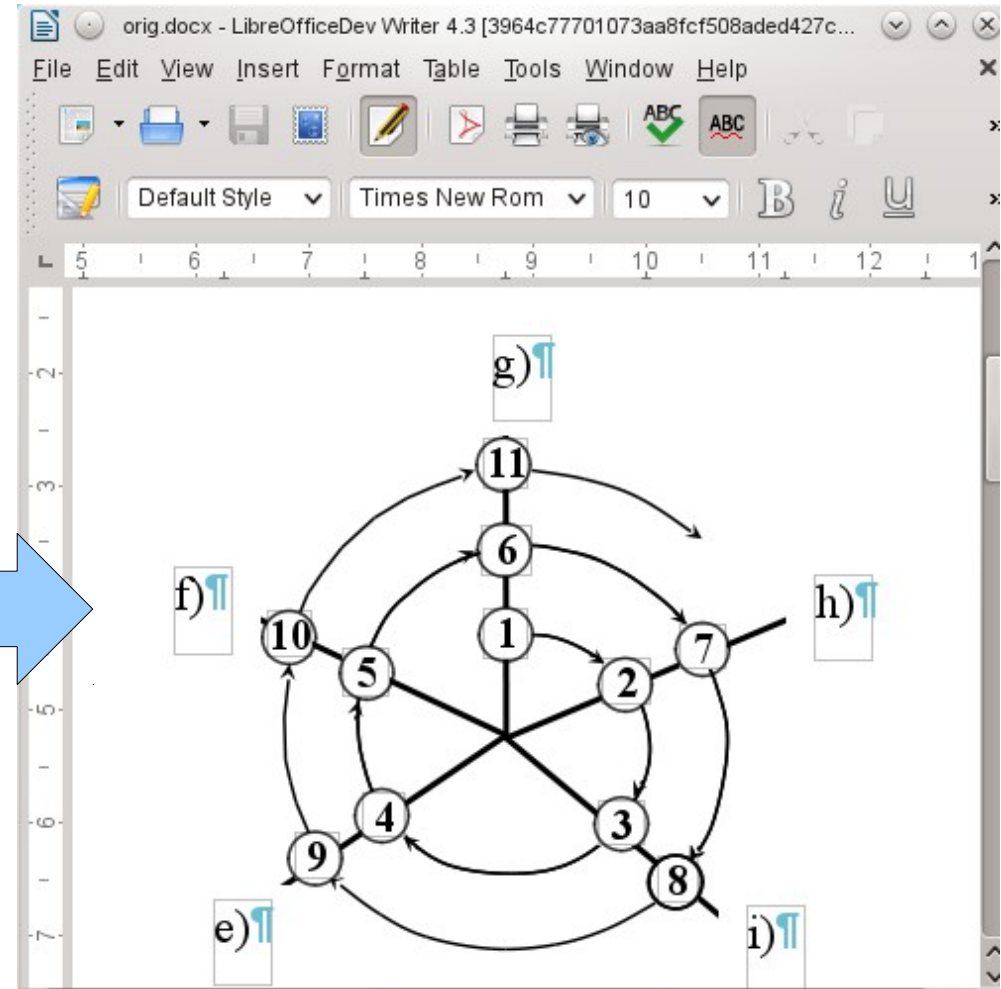
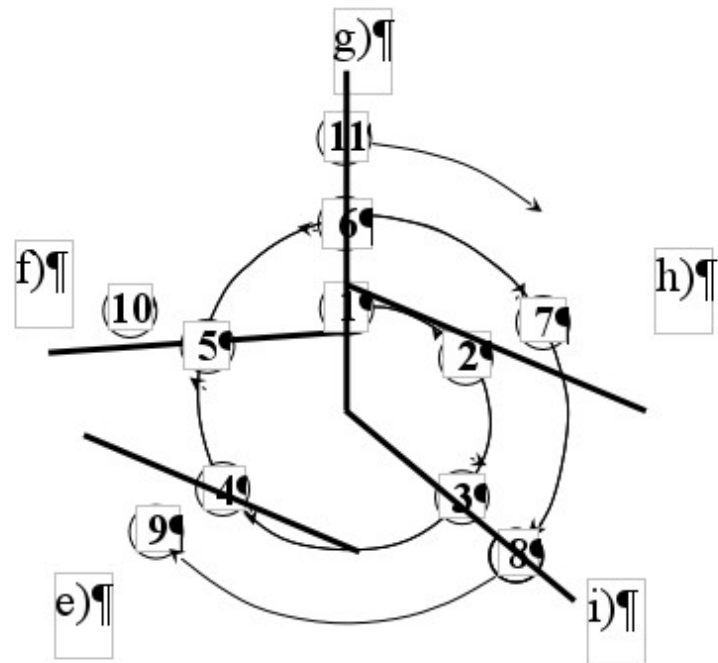
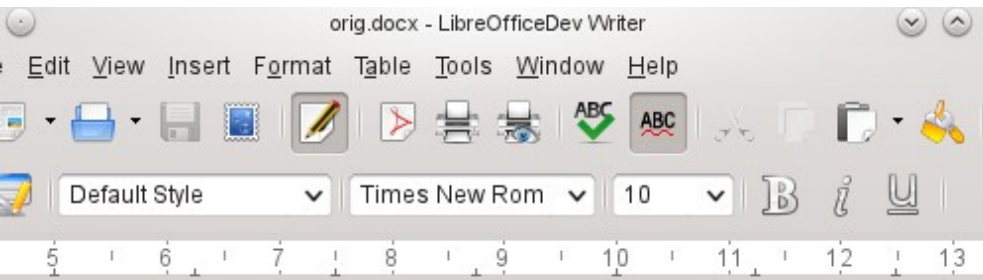
Anois ar an abhar sin fórógrainn an Tionól Ginearálta an Dearbú Uile-choiteann seo ar Chearta an Duine mar chomhchaighdeán le tabhairt i réim ag gach pobal agus gach náisiún ionas go ndéanfaidh gach uile dhuine agus gach uile organ den chomhdhaonnacht, agus iad de shíor ag tabhairt an Dearbhuithe seo dá n'aire agus dá n-úidh, dícheall, tríd an teagasc agus an t-oidreachas, chun uraim do na cearta agus do na saoirsí sin a chothú agus chun a áirithiú tríd bearta ascnaimh, náisiúnta agus eadamáisiúnta, go mbeidh aithint agus feidm éifeachtach uile-choiteann acu, ní hamháin i measc pobal na Stát-Chomhaltai féin, ach fós i measc pobal na gcríocha atá faoina ndlíne sin.

And easier to format; thanks to Caolan McNamara

The screenshot shows a comment interface with two comments. The first comment is titled "A comment" and is by Caolán McNamara, posted yesterday at 16:49. The second comment is titled "Another one" and is also by Caolán McNamara, posted yesterday at 16:49. A context menu is open over the second comment, showing options: "Delete Comment", "Delete All Comments by Caolán McNamara", "Delete All Comments", and "Format All Comments". The "Format All Comments" option is highlighted in blue.

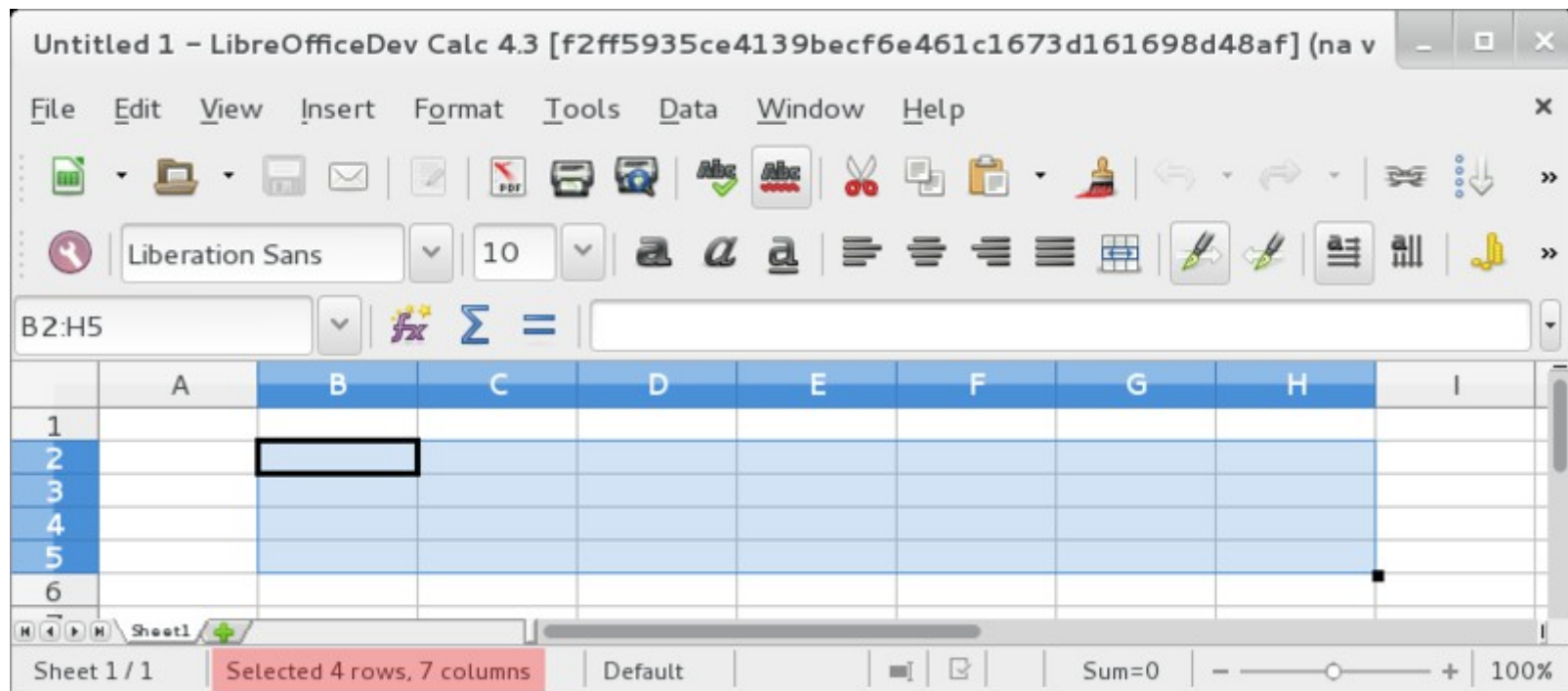


# Writer: better OOXML shape interop



# Calc

- Status bar: # of selected rows / columns



# Impress

- Fit slide to current window:



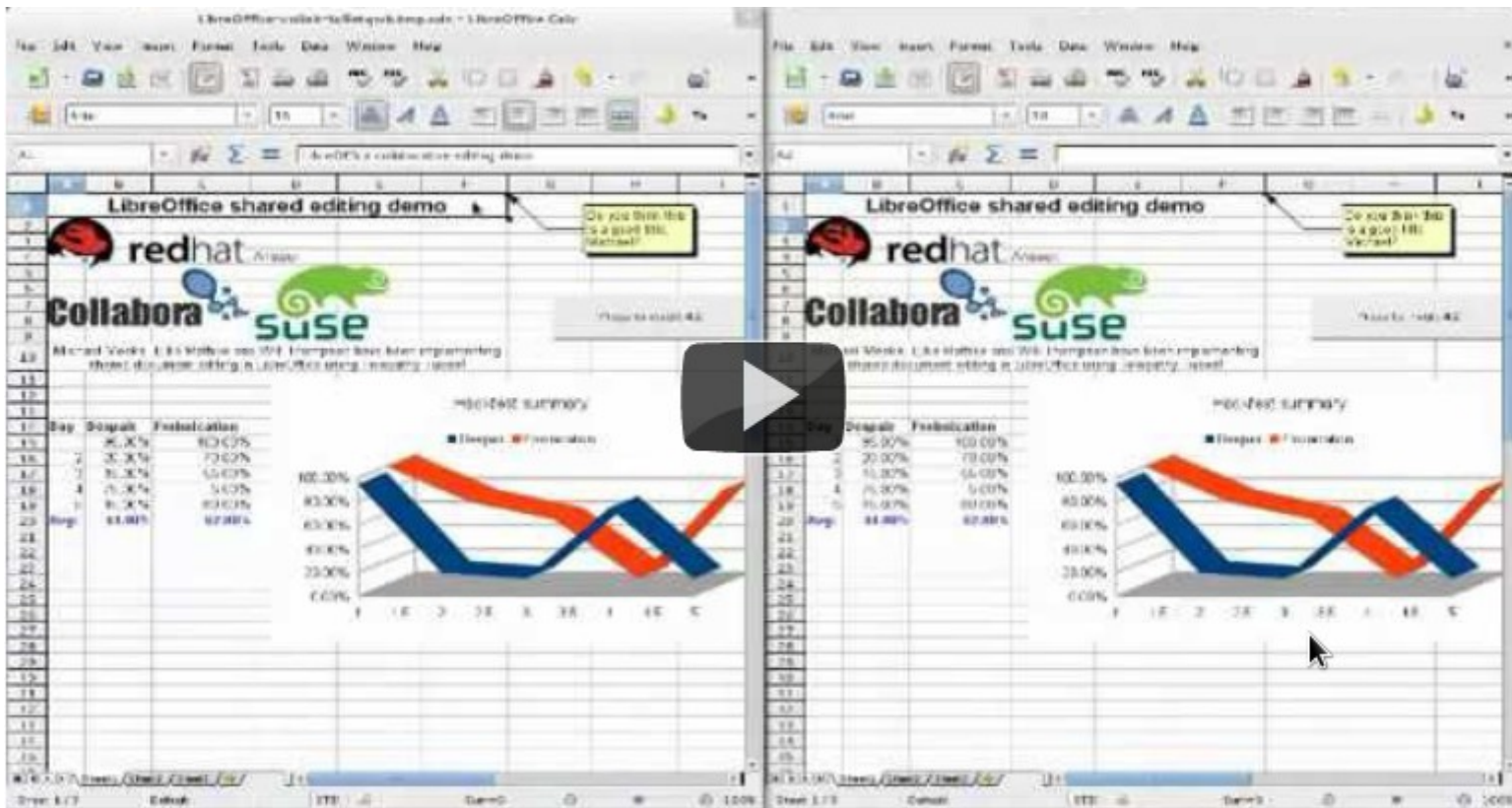
# Prototypes





# Collaboration

- Based on Telepathy:



# Android

- Impress remote / Viewer / Desktop


3G 1:30 3G 1:31 3G 1:24

Slide 3 of 12 5 minutes remaining

Slide 3 of 12 5 minutes remaining

Connection

Рефлекторная деятельность мозга



Мышление

1

2

3

4

5

6

7

8

9

10

11

12

**Connection failed**

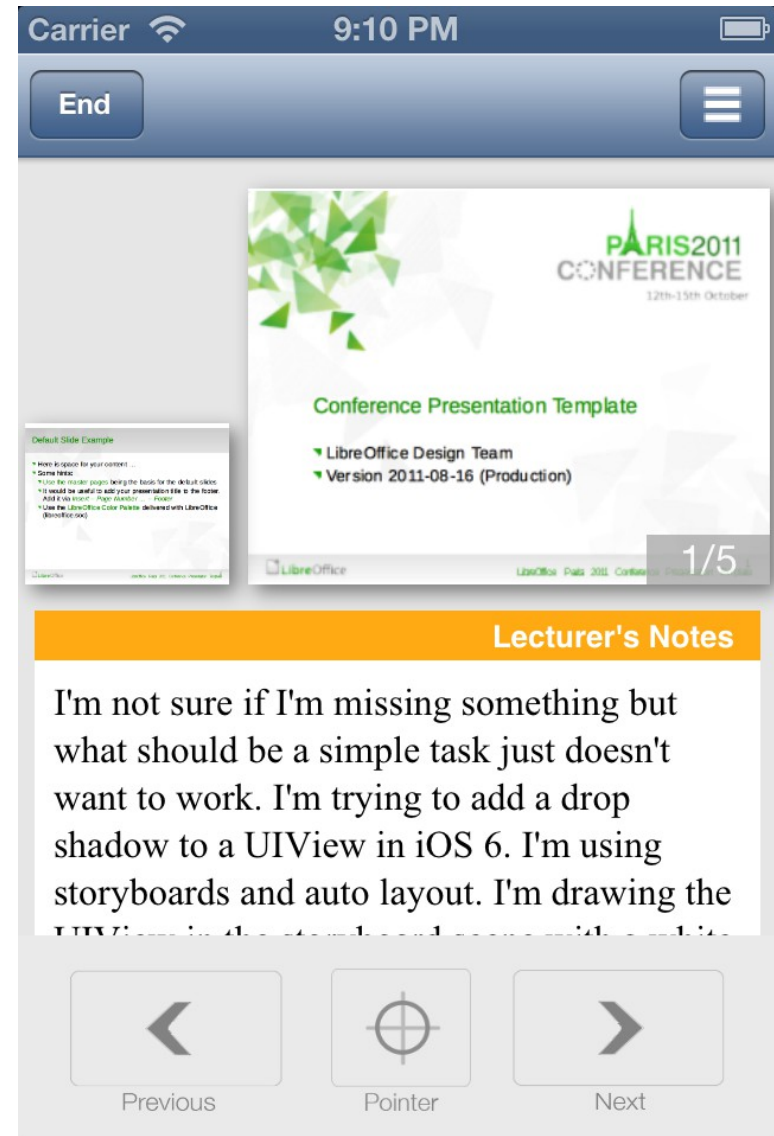
Make sure you enabled remote control. Go to "Tools → Options → LibreOffice Impress → General" in LibreOffice Impress.

You should enable experimental features at "Tools → Options → LibreOffice → Advanced" as well.

With thanks to *Artur Dryomov*

# iOS

- Impress remote (beta) / Viewer

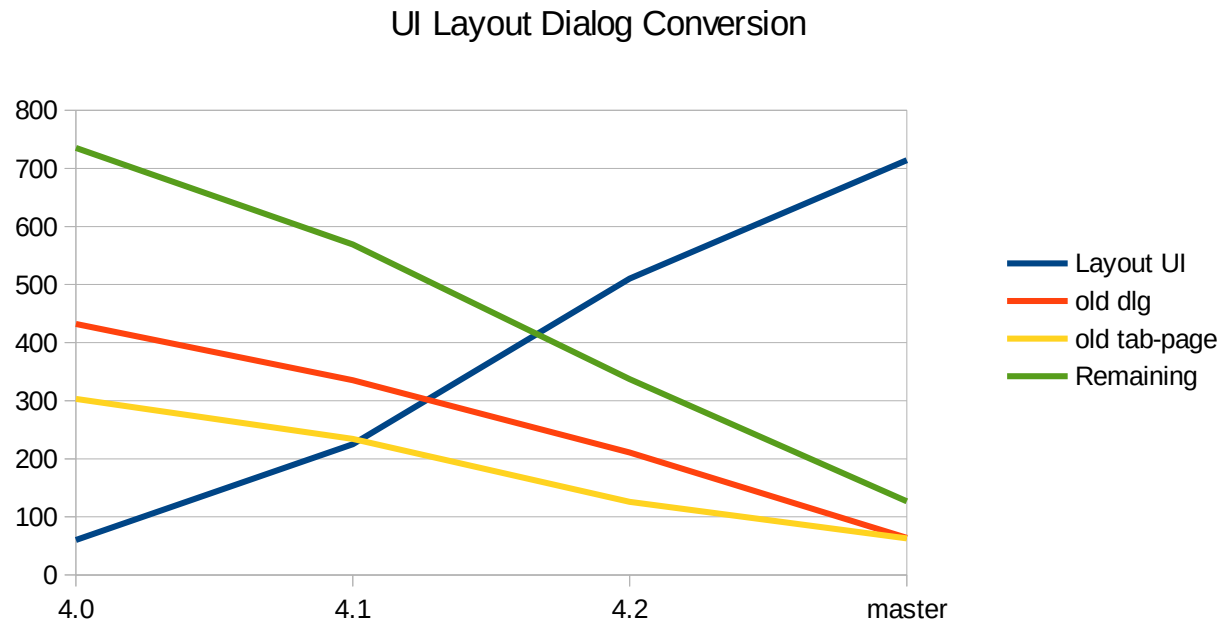


# Under the hood



# Cleanups: .ui conversion

- 84% complete: 64 dialogs to go
- Checkout [Caolan's blog](#) to help out



# The Document Foundation

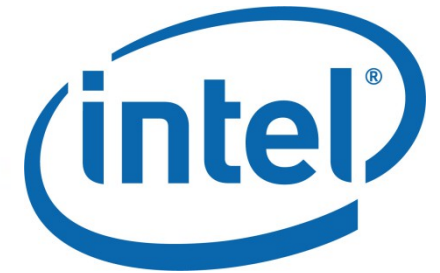
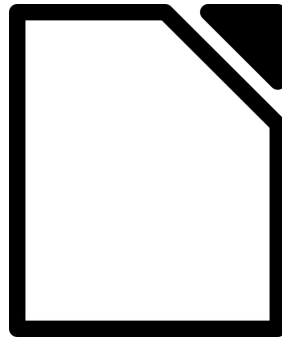


# No Single Vendor Dominance

- No one can control more than 30% of the votes in any statutory body of TDF



# Advisory Members



مدينة الملك عبد العزيز  
للعلوم والتقنية KACST

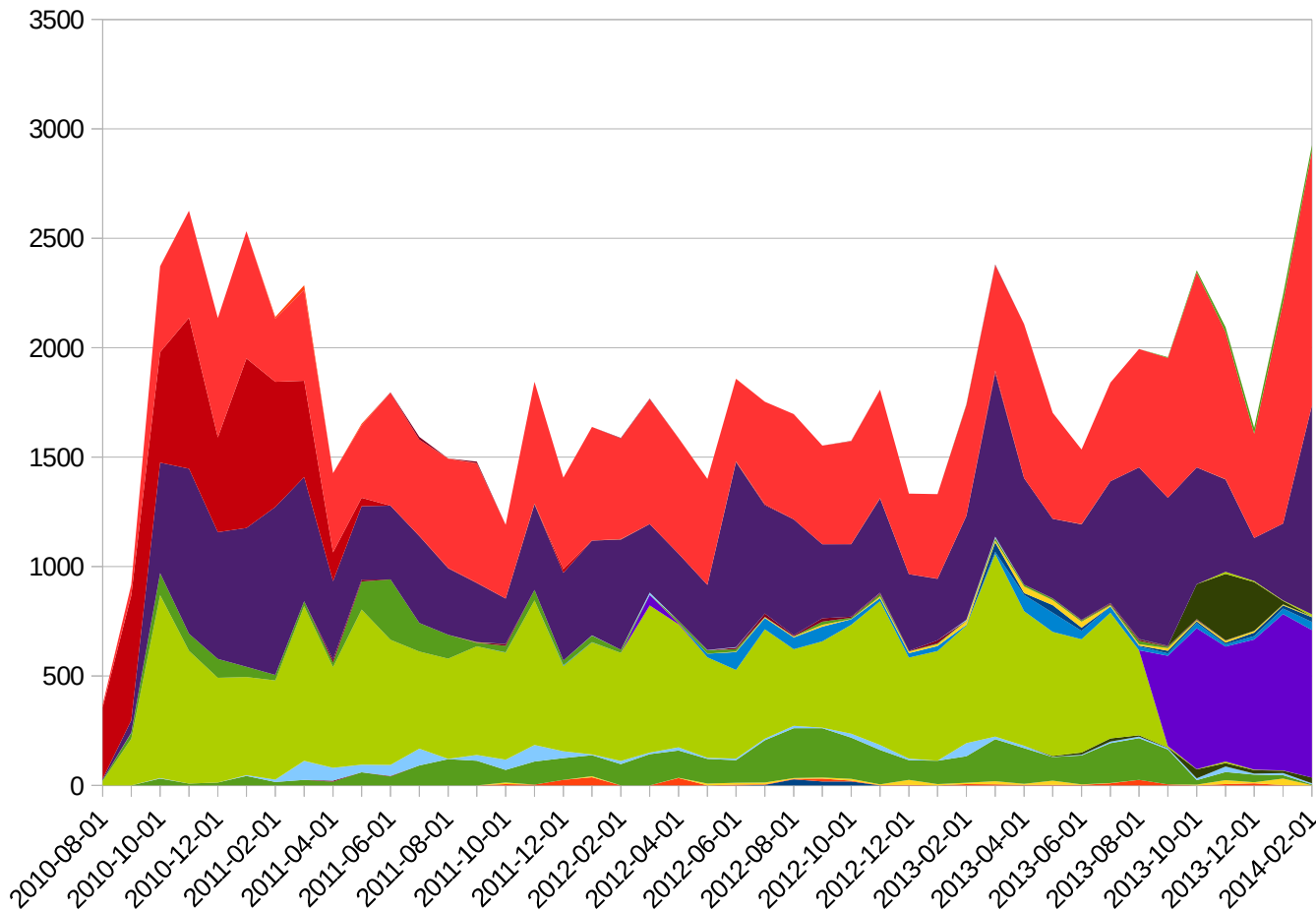




# How you can help



# What to join the fun?



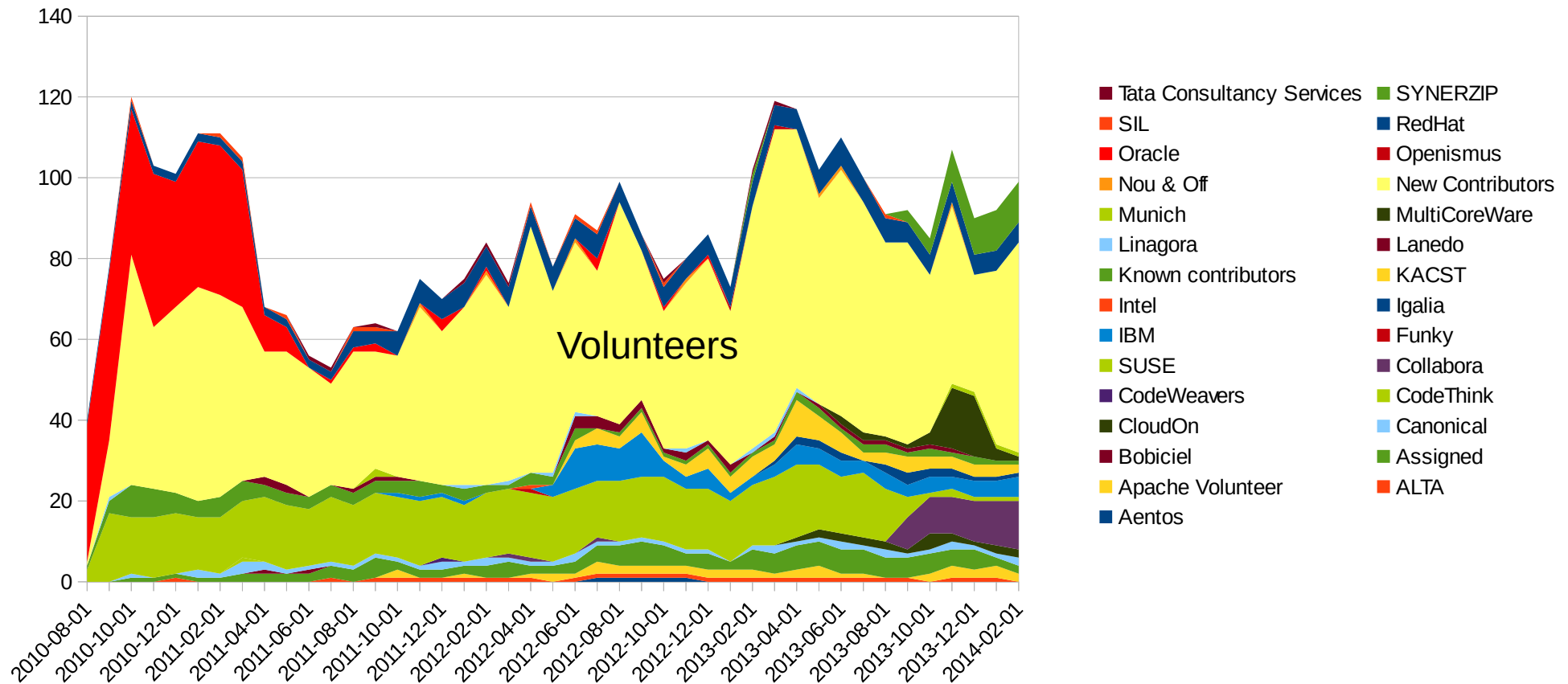
- Tata Consultancy Services
- SIL
- Oracle
- Nou & Of
- Munich
- Linagora
- Known contributors
- Intel
- IBM
- Collabora
- CodeWeavers
- CloudOn
- Bobiciel
- Apache Volunteer
- Aentos
- SYNERZIP
- RedHat
- Openismus
- New Contributors
- MultiCoreWare
- Lanedo
- KACST
- Igalia
- Funky
- SUSE
- CodeThink
- Canonical
- Assigned
- ALTA

Measuring and demonstrating diversity, and growth → a metric for maturity & dependability



# Diversity

Active individual committers per month by affiliation



# Easy Hacks

- “ LibreOffice is now ridiculously easy to build”  
(Karl Fogel)
  - Thanks to the gnumake port & other cleanups
- We love people to contribute changes
- We want your first patch to be non-controversial, and easy, so you're up-to-speed and included outright:
- [http://wiki.documentfoundation.org/Development/Easy\\_Hacks](http://wiki.documentfoundation.org/Development/Easy_Hacks)



# Collabora Productivity

- Subsidiary of Collabora  
Leading Open Source Consultancy  
12 Certified LibreOffice Developers

Collabora fixes your problems !

Consultancy: new features, custom fixes. Long term support & maintenance.

- Team spun out of SUSE  
SUSE needed to focus ...  
LibreOffices' growth areas:

<http://libreoffice-from-collabora.com/>

Windows, Android, iOS, not a great match.

- Best Possible outcome given the circumstances

# Conclusions

- LibreOffice is an Xorg-like fork
  - An open community, new members are welcome
- LibreOffice is diverse & easy to deploy
- Thanks for all your help and support!
- Interesting?
  - Get involved, your contribution does help! :-)

