

Whats new in LibreOffice 4.1 and whats coming



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Introduction

Who the hell is Tomáš Chvátal

- SUSE Employee since 2011 (QA, openSUSE)
- Packager of Libreoffice and various other stuff for openSUSE
- openSUSE promoter and volunteer
- Gentoo developer since fall 2008 and Council member since 2010

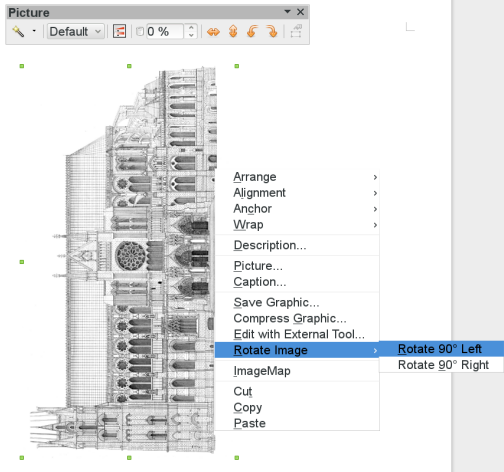
Libreoffice 4.1 features

Writer features

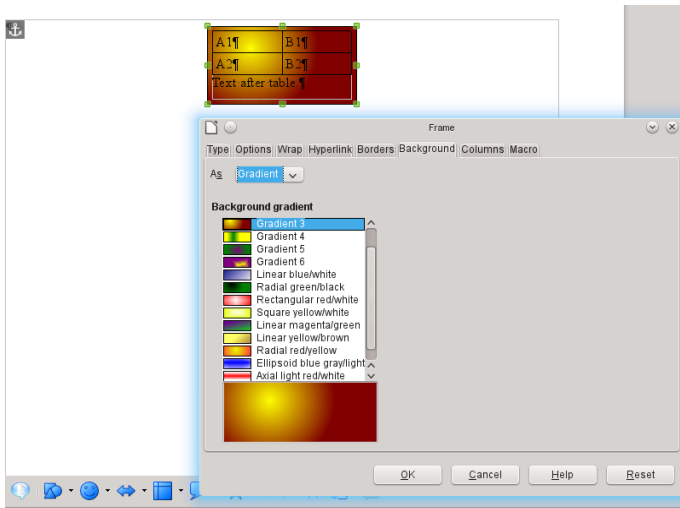
Fonts embedding

- Feature apply actually for all parts, writer/impress/calc/...
- Ensures that your peers can see the document exactly like you
- Applies only for OpenDocument formats
- File → Properties → Font → Embedd fonts in the document

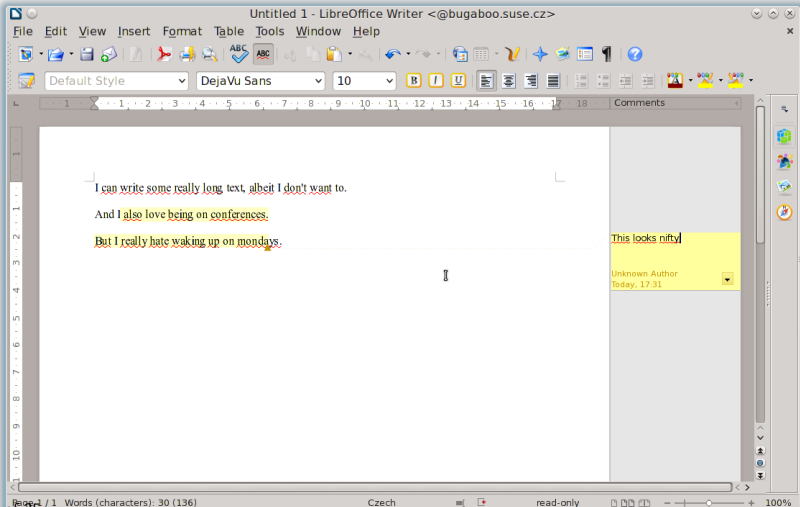
90 Degree rotation of images



Gradient background



Range comments can span multiple paragraphs



Calc features

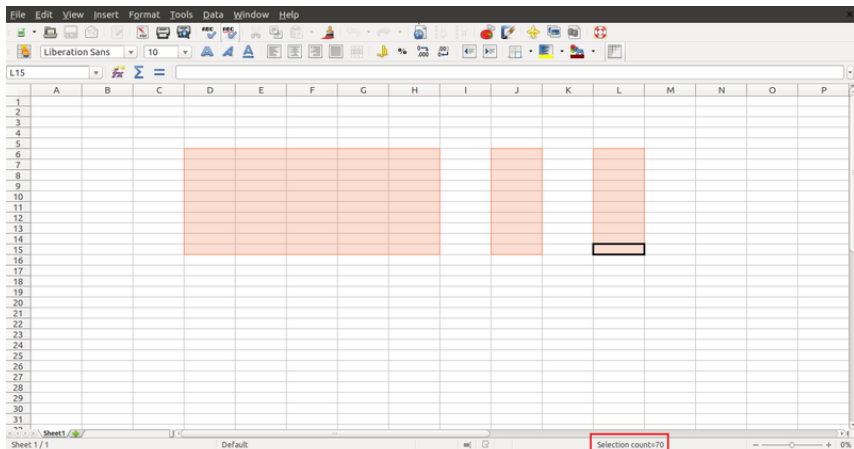
Large tables import support >64k table cells

- With this function you can finally put in use huge stylesheet
- The problem was that previously with big sheets you imported only 13635 from word file and lost the rest silently
- Big problem is that calc is just huge mesh of cells, which inflict speed problems with more and more cells in equation (this is being fixed if I am not mistaken)

New functions from excel 2013 for formulas creation

ACOT, ACOTH, ARABIC, BASE, BINOM.DIST.RANGE (B)
[BINOM.DIST.RANGE], BITAND, BITLSHIFT, BITOR, BITRSHIFT,
BITXOR, COMBINA, COT, COTH, CSC, CSCH, DAYS, DECIMAL,
FORMULATEXT (FORMULA) [FORMULA], GAMMA, GAUSS,
IFNA, IMCOSH, IMCOT, IMCSC, IMCSCH, IMSEC, IMSECH,
IMSINH, IMTAN, ISFORMULA, MUNIT, NUMBERTOVALUE,
PDURATION (DURATION) [PDURATION], PERMUTATIONA, PHI,
RRI, SEC, SECH, SHEET, SHEETS, SKEW.P (SKEWP) [SKEWP],
UNICHAR, UNICODE, XOR

Counting selected cells



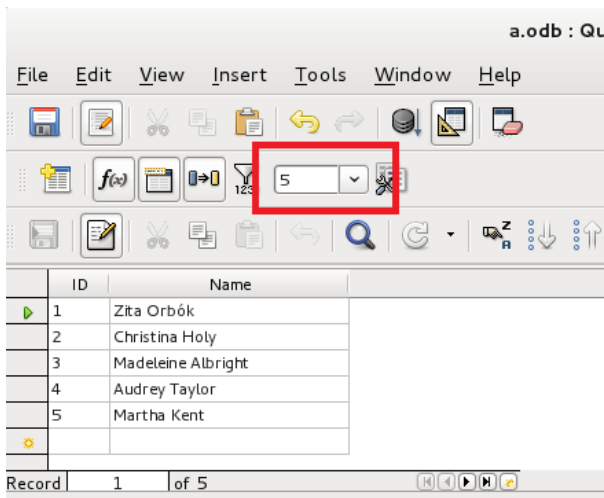
Impress features

Creating picture series presentations

- Family reunions were never scarier
- Just point impress to folder with photos and you get series of your pictures for everyone
- Insert → Picture → Photo Album

Base features

LIMIT for results



Global/Core changes

Core changes

- There is ongoing effort punting java in favor of python, tis time Agenda and Web wizzards were pythonified
- Text rendering was moved from deprecated ICU LE to HarfBuzz (mostly used up now in chrome)
- More dialogs were rewritten with HIG in mind (glade .ui files).
- New Galery images from Lotus Symphony
- Experimental sidebar from Lotus Symphony, this is being converted to dynamic expansion and the feature should be completely ready for 4.2 release.

Core changes: part 2

- Deprecation of dmake
- Reduction of german comments (around 17k lines, 3.3 had 52k)
- Tons of coverity fixes
- Automated detection of crasher bugs
- 100+ new unit tests to cover more ground
- Complete SDF removal making build way faster with enabled languages

Filter updates

New provider for mwaw format

- Files generated on Mac OS (pre-OSX)
- Microsoft Word for Mac 5.1, Write Now 4.0, MacWrite Pro 1.5, Appleworks 6.0
- Even if questionable use nowadays it is always good to be able to open old documents

Help updates

Syntax highlighting

Example:

```
Sub ExampleStrComp
Dim iVar As Single
Dim sVar As String
iVar = 123.123
sVar = Str$(iVar)
Msgbox strcomp(sVar , Str$(iVar),1)
end sub
```

Example:

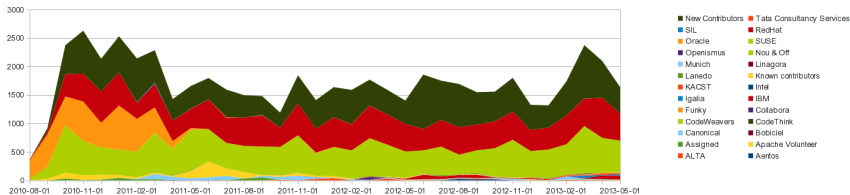
```
Sub ExampleStrComp
Dim iVar As Single
Dim sVar As String
    iVar = 123.123
    sVar = Str$(iVar)
    MsgBox strcomp(sVar , Str$(iVar),1)
End Sub
```


Contributing

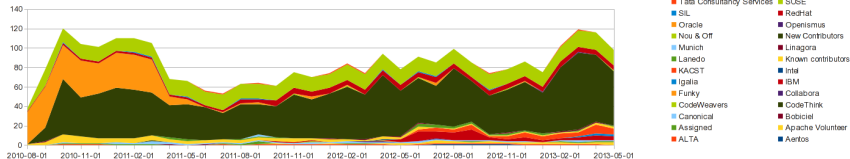
Graphs

Current contributors

Commits per month by affiliation

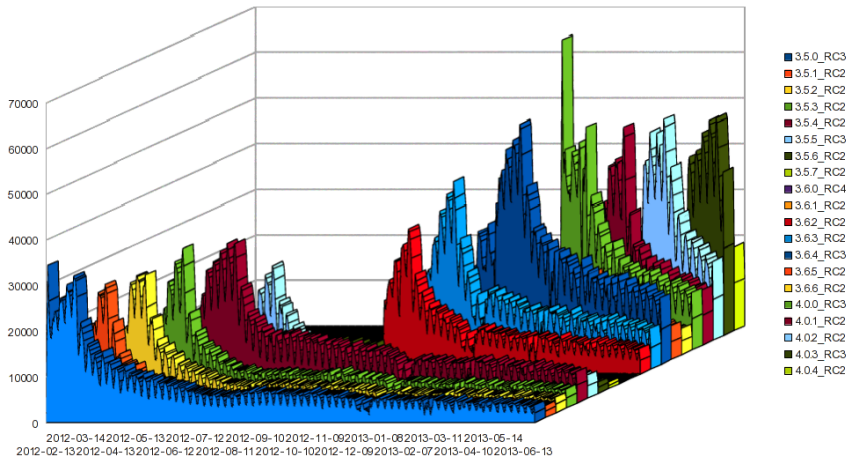


Individual committers per month by affiliation



Unique hits on page per version

New unique IPs per day per version



How can I contribute

Working with bugs

- Report your bugs using assistant
<https://www.libreoffice.org/get-help/bug/>
- Work in bugzilla to confirm and cleanup all the reported bugs
- Currently there are 5442 overall open bugs, weekly it gets around 200 more and around 100 is closed

Running tinderbox

- Tool running continuous builds to see if something broke or not
- <http://tinderbox.libreoffice.org/MASTER/status.html>
- Even if it is without fancy css it provides great fast way how to keep the code compiling under various build setups

Endnote

Suse is hiring

Join the Geeko!

Learn more about SUSE's openings, globally:

1. Talk to our colleagues at the booth
2. Check out our careers page www.suse.com/careers
3. Contact our recruiting team at jobs@suse.com



Questions

Any curious questions? Did I forget your favorite new feature?

Thanks

Thank you for your attention.