

# How Collabora Online benefits LibreOffice (core contributions)

Mike Kaganski

Software Engineer

[mike.kaganski@collabora.com](mailto:mike.kaganski@collabora.com)



Collabora  
Online



# Introduction

- Collabora Productivity is one of the primary contributors to LibreOffice over the years
- The improvements important to Collabora Online users are also useful to desktop users
- Win-win situation

# What I hopelessly try to cover in this talk

- A short overview of the most user-visible contributions over the last year – i.e., in the two last major releases of LibreOffice (7.4 and 7.5)
- Only those that appeared in the release notes
- Ignoring many and many bugs that were fixed, refactorings that made the code cleaner, optimizations that improved performance made by us during this time span
- And even then, only briefly mentioning many features just because of talk time limitation :)

# In LibreOffice 7.4

- Compatibility with MS Office
  - A never-ending effort to allow users enjoy better interoperability, without sacrificing the benefits of FLOSS
  - Writer:
    - Word-style borders; clearing breaks; content controls – thanks to Miklos
  - Calc:
    - Sparklines – thanks to Tomaž
    - 16384 columns – thanks to Noel and Luboš

# In LibreOffice 7.4

Outside-Borders set to Pattern (Double-Line) and 3pt

PDF Output: Middle row table cell borders extend beyond the double line border.

Untitled - LibreOffice Calc

File Edit View Insert Format Styles Sheet Data Tools Window Help

Outside-Borders set to Pattern (Thick Outer, Thin Inner) and 10pt

PDF Output: The Thick Outer / Thin Inner is in place

	XEW	XEX	XEY	XEZ	XFA	XFB	XFC	XFD
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Outside-Borders set to Pattern (Thin Outer, Thin Inner) and 10pt

PDF Output: The Thick Outer / Thin Inner is in place

1	3.337809	2.684713	4.390088	-6.10523	9.942015	-7.16605	6.909696	-1.12705	3.062532	-7.68426
2	2.904447	-5.36058	3.298746	-7.37053	7.999817	-6.06372	3.570971	-8.41792	9.06064	5.322733
3	0.75045	0.91525	-6.20167	6.841334	7.162389	-5.71154	-0.66683	2.847072	-7.39982	3.73394
4	-4.68307	-2.87271	-2.5248	2.718894	7.260048	5.429548	7.718436	3.927427	-4.32966	0.532548
5	-7.93146	9.902341	-3.3549	-7.01529	-7.62993	4.653157	-0.47273	0.625935	7.498093	4.37727
6	7.261269	-9.9762	1.544542	-4.60189	-4.93454	2.953887	-3.10892	-2.54006	-6.94632	-8.96237
7	2.780541	0.497757	8.424635	-8.32331	0.030824	-6.99332	-7.15629	8.392285	-7.50237	-9.85412
8	-9.34385	8.712729	5.930052	-0.31831	-6.46962	2.717063	4.82284	-6.08325	-2.81655	-4.62508
9	7.911313	5.720084	5.79577	-4.20454	-7.08243	-3.22306	-0.25178	-3.48308	-8.81649	-3.8023
10	-7.69524	5.959349	2.809229	-2.39967	-9.13511	7.168493	-7.07755	-7.20756	8.412427	5.972777

Insert Break

Type

Line break

Restart Location:

Next Full Line

Column break

Page break

Page Style:

[None]

Change page number

Help Cancel OK

# In LibreOffice 7.4

- Compatibility with MS Office (contd)
  - A never-ending effort to allow users enjoy better interoperability, without sacrificing the benefits of FLOSS
  - Impress and Draw:
    - Themes – thanks to Miklos
  - VBA:
    - Support for more Application properties – thanks to Tomaz

# In LibreOffice 7.4

- New remote grammar checker: LanguageTool
  - “A Match Made in Heaven”
  - Using the leading open-source linguistic solution
  - HTTP proofreading API – you don’t need to install dictionaries locally
  - Thanks to Mert

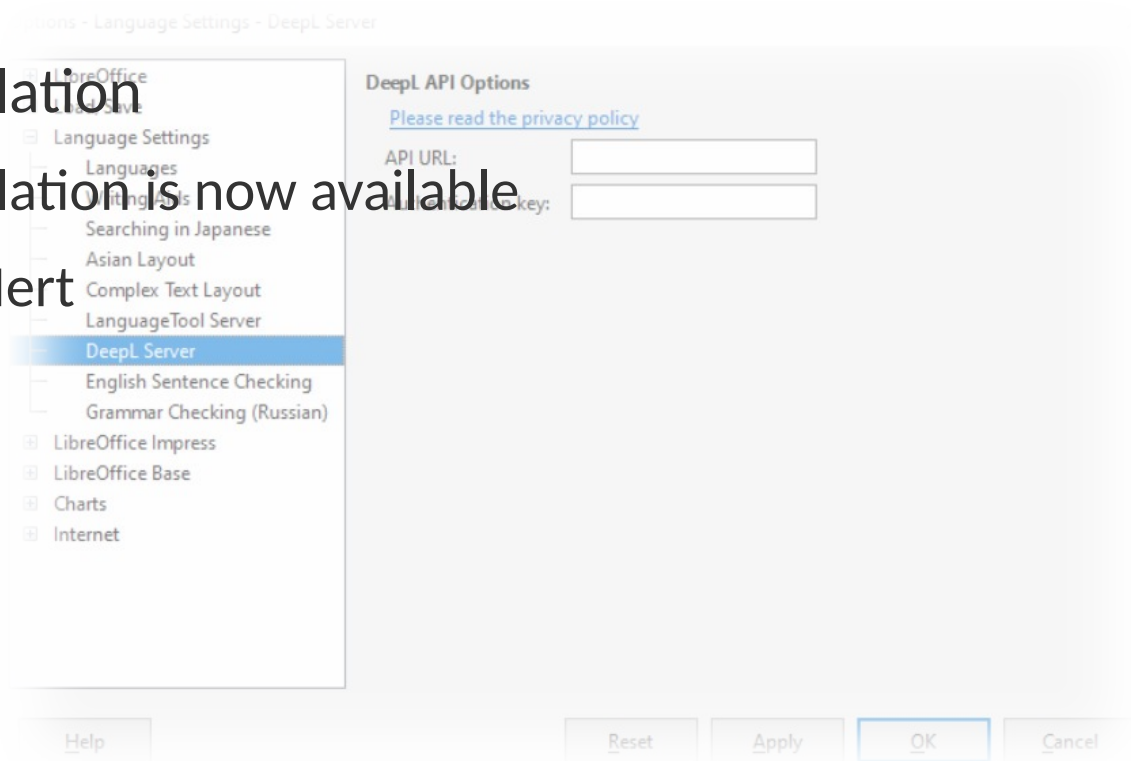
# In LibreOffice 7.5

- Compatibility with MS Office
  - Writer:
    - More content controls supported – thanks to Miklos
  - Calc:
    - Data tables in chart – thanks to Tomaž
  - VBA
    - New methods and properties supported – thanks to Justin



# In LibreOffice 7.5

- Machine translation
  - DeepL translation is now available
  - Thanks to Mert



# In LibreOffice 7.5

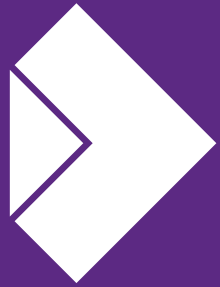
- Accessibility checker
  - More rules
  - New (experimental) automatic check
  - Thanks to Paris and Tomaž



# Conclusion

- Collabora loves LibreOffice
- We hope that every user – be it a user of Collabora Online, or a user of LibreOffice – would love the new features that we added, as much as we liked working on them!

COOL  
*days*



Collabora  
Online

Thank you!

@CollaboraOffice  
hello@collaboraoffice.com  
www.collaboraoffice.com

