



# Collabora & LibreOffice

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**General Manager at Collabora Office**

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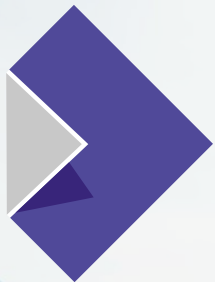
*“Stand at the crossroads and look; ask for the ancient paths, ask where the good way is, and walk in it, and you will find rest for your souls...” - Jeremiah 6:16*



Collabora  
Office

OPENSUSE-LIBREOFFICE CONF'20





# Collabora Productivity

— RECLAIM YOUR BUSINESS

The driving force behind putting  
LibreOffice in the #Cloud

## Collabora

- >140 staff, Cambridge & Montreal
- our parent company – 15 years old
- Leading Open Source Consultancy
- Parent company of:

## Collabora Productivity

- Spun out of SUSE in 2013
- 32 staff
- 7 years old
- Focused fully on Office



# Make Open Source ROCK

This is the goal of our shareholders

What does that mean ?

We re-invest your support into FLOSS software, including LibreOffice, and into our partners.

All our code is open

We do have to make money to re-invest.







Semiconductor



Automotive



Digital Signage



OEM

Examples:



chromeOS





# Some recent highlights

## Collabora & Panfrost community:

- Curing the blight of proprietary kernel drivers in embedded systems:
- Reverse engineered driver for ARM / mali – now working together with us:



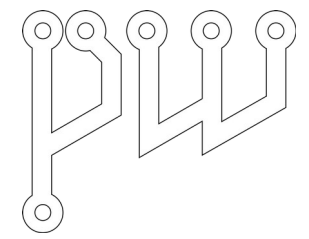
## FOSS & Open Standards

- Monado for VR / AR:
  - Get involved
  - <https://gitlab.freedesktop.org/monado>
  - <https://monado.freedesktop.org/>



## PipeWire, WirePlumber

- Automotive Grade Linux work
- Bluetooth, Libcamera, Session mgmt



## Kernel

- eg. case insensitive ext4

# Collabora Office

*100% focused on your productivity*



# Collabora Office: examples

# AMD

# RYZEN

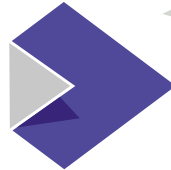
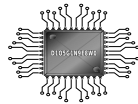
THREADRIPPER

National Research &  
Education  
Netherlands

# SURF

# NET

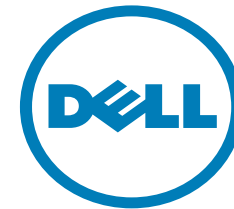
45,000  
users



Partner:  
**NOU & OFF**

Powerful document  
classification – eg. “top  
secret”. Digital signatures and  
classification of paragraphs.

# MICRO FOCUS



***200 partners and growing ...***



# Strong preference: sell through partners !

Customer has a **single** support partner.

- Who are L1/L2 support & deployment experts in Collabora products – **in your language**: 58 countries
- We provide Service Level Agreement & place to file tickets

Helping people start their own LibreOffice business

- Can you speak your native language ? And a little English ?
- Do you know about LibreOffice ? → ***it could be you !***
- ***We need you***: Put together a full-service: your training, your migration ...

Encouraging others to invest alongside us & the community ...



# as an example in France

- Conseil Départemental de la Côte d'Or (Bourgogne)
  - Elected representatives editing documents online on their tablets, collaborating with agents in a workflow
- MTES: Ministère de la Transition Écologique et Solidaire
  - 25k users
- Université de Lille
  - 70k users, for agents, teachers, researchers,
  - students: <https://www.arawa.fr/2019/11/23/arawa-annonce-le-deploiement-de-collabora-online-a-luniversite-de-lille/>
- Académie de Nancy-Metz
- Académie de Paris
  - 1500 users
- Conseil Départemental de la Seine-Saint-Denis
- ERT Technologies, groupe Altice
- Ville de Gières
- Ville de Fleury les Aubrais
- Préfecture des Bouches-du-Rhône
  - 500 users
- Service Départemental d'Incendies et de Secours de la Moselle
- Enercoop
- Fiducial



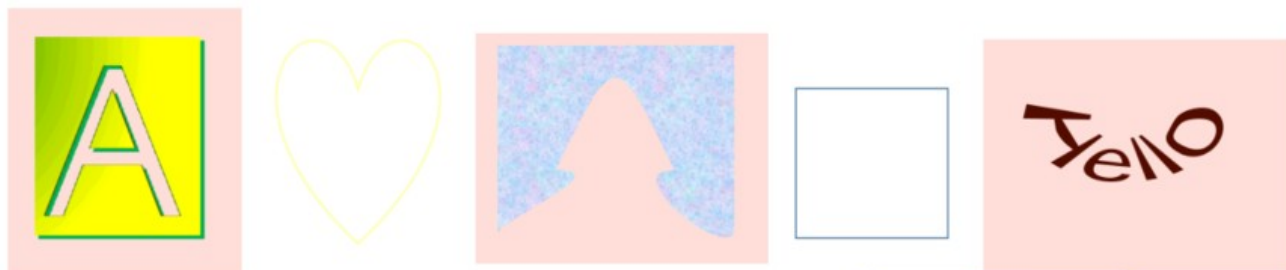
# Collabora Office new feature examples





# Interop: glow effects

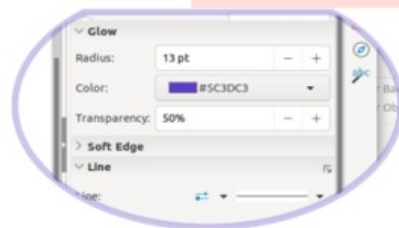
## Glow Effect



Before



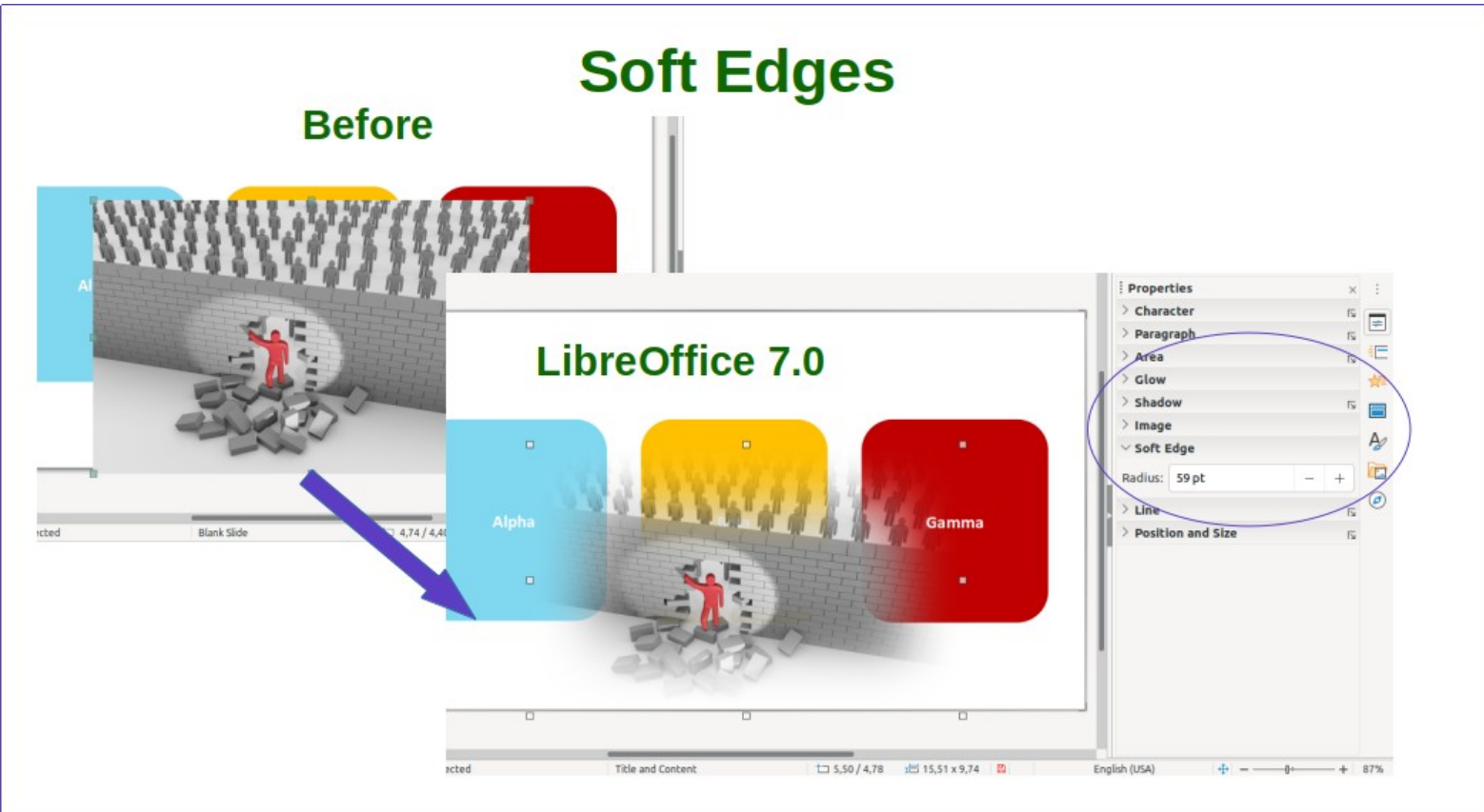
LibreOffice 7.0



Thanks to:  
Tamas Bunth,  
Mike Kaganski,  
SUSE.



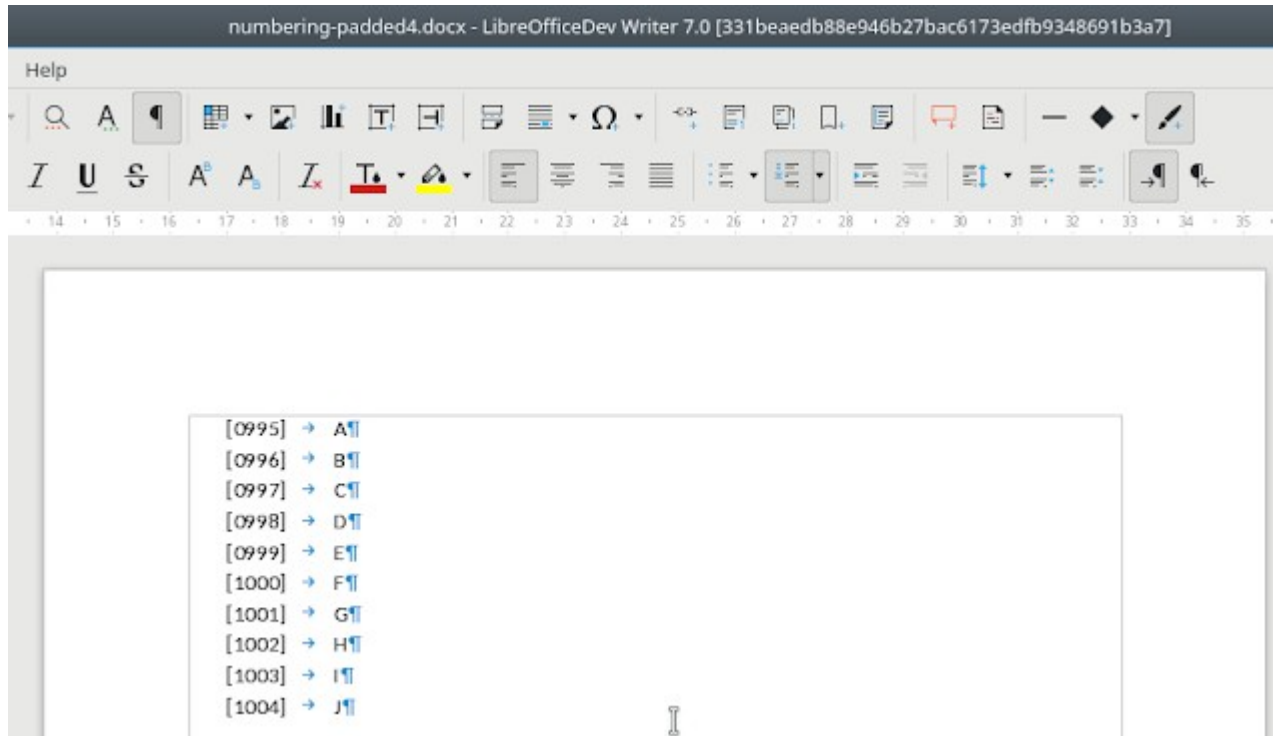
# Interop: Soft Edges



Thanks to:  
*Mike Kaganski*  
*SUSE.*



# Interop: Padded numbering



**Thanks to:**  
*Miklos Vajna*  
*Adfinis.*



# Accessibility Check:

## June 2020 Report

### Accessibility improvements

A new "Accessibility Check" tool (Tools > Accessibility check) allows to review a document for common problems that make it less accessible to the audience.

This is an image without a proper caption:



*A photo of Shirley Chisholm (public domain)*

And this text has different colours that highlight important parts, but the background is not satisfactory.

And this is a table with split and merged cells:

	Merged cells				
			Split cell		

**Accessibility Check**

Document title is not set

Avoid footnotes.

Hyperlink text is the same as the link address '[https://commons.wikimedia.org/wiki/File:Shirley\\_Chisholm.jpg](https://commons.wikimedia.org/wiki/File:Shirley_Chisholm.jpg)'

Text contrast is too low.

No alt text for graphic 'Image1'

The text formatting conveys additional meaning.

The text formatting conveys additional meaning.

The text formatting conveys additional meaning.

The text formatting conveys additional meaning.

Table 'Table1' contains merges or splits

Headings not in order.

Go to Issue

Go to Issue

Go to Issue

Go to Issue

Go to Issue

Go to Issue

Help

Cancel

OK

Thanks to:  
*Tomaž Vajngerl,*  
*Ivan Stefanenko*

&

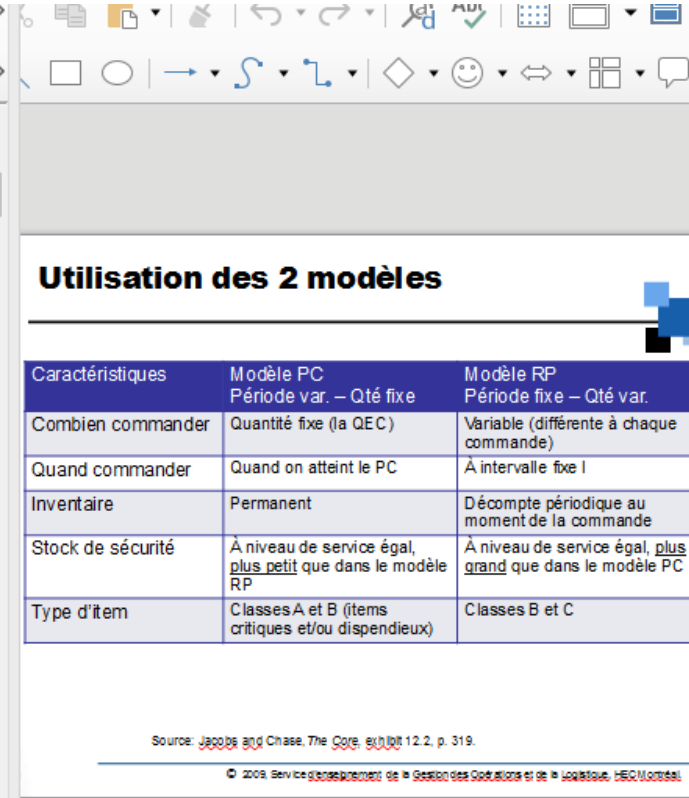
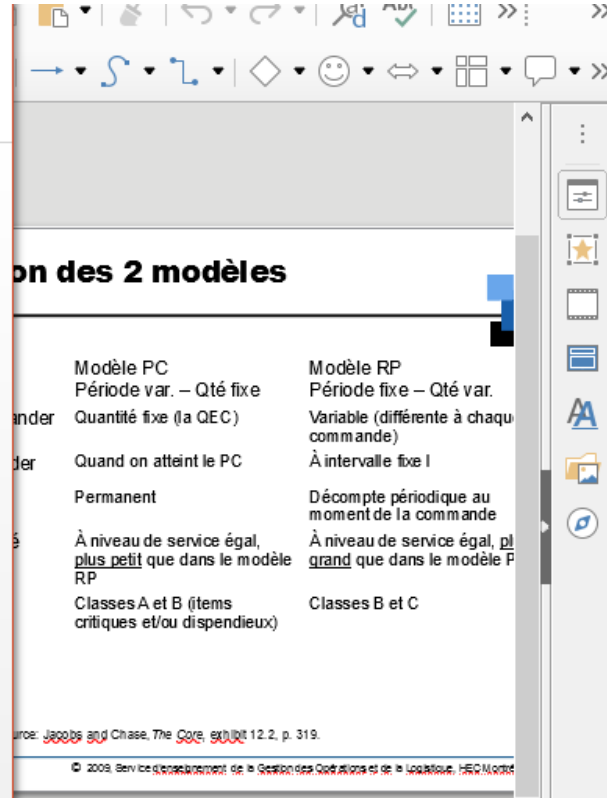
*Nou&Off*

&

**Netherlands  
Standardisation  
Forum**



# PPTX pre-defined table styles:



## Utilisation des 2 modèles

Caractéristiques	Modèle PC Période var. – Qté fixe	Modèle RP Période fixe – Qté var.
Combien commander	Quantité fixe (la QEC)	Variable (différente à chaque commande)
Quand commander	Quand on atteint le PC	À intervalle fixe I
Inventaire	Permanent	Décompte périodique au moment de la commande
Stock de sécurité	À niveau de service égal, <u>plus petit</u> que dans le modèle RP	À niveau de service égal, <u>plus grand</u> que dans le modèle PC
Type d'item	Classes A et B (items critiques et/ou dispendieux)	Classes B et C

Source: Jacobs and Chase, The Core, exhibit 12.2, p. 319.

© 2009, Service d'enseignement de la Gestion des Opérations et de la Logistique, HEC Montréal.

Source: Jacobs and Chase, The Core, exhibit 12.2, p. 319.

© 2009, Service d'enseignement de la Gestion des Opérations et de la Logistique, HEC Montréal.

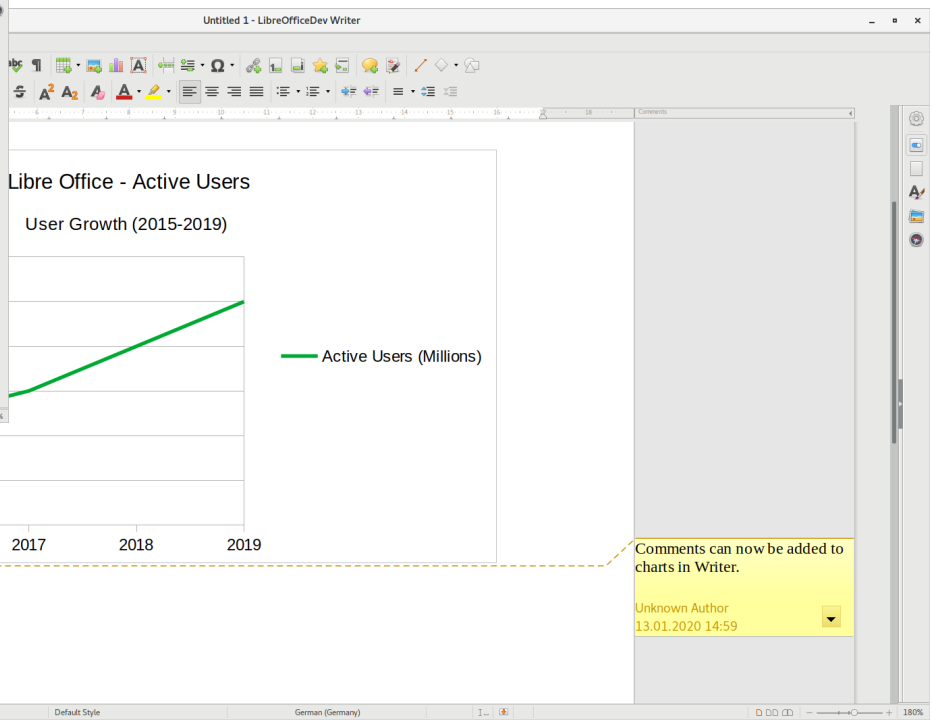
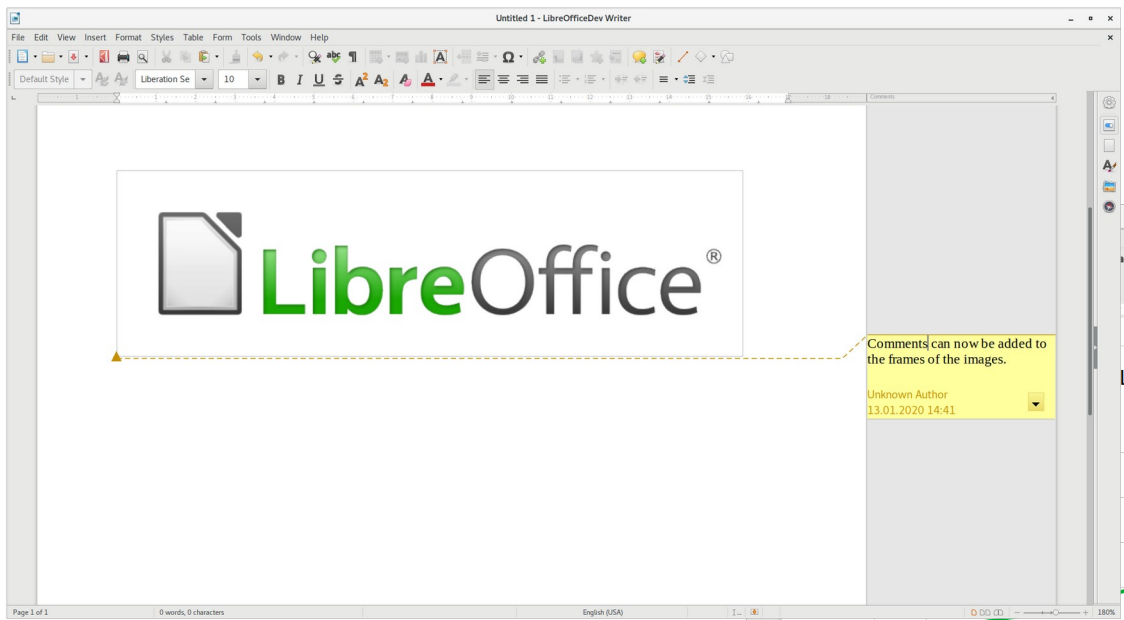
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© 2009, Service d'enseignement de la Gestion des Opérations et de la Logistique, HEC Montréal.



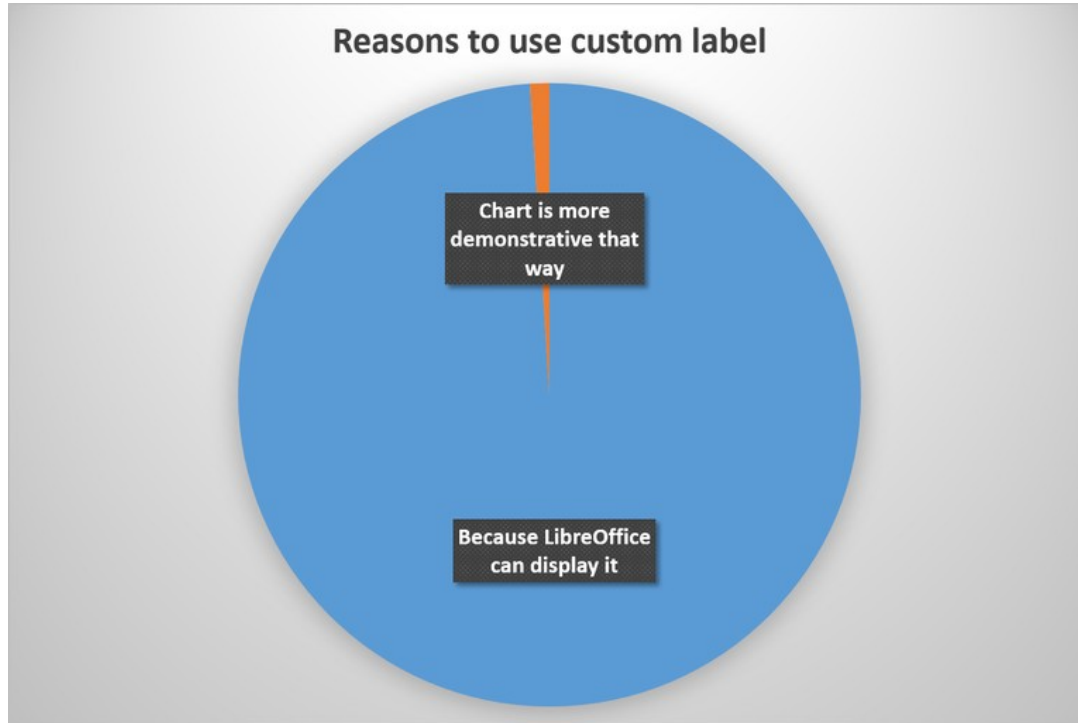
# Interop: more powerful commenting

Thanks to:  
Miklos Vajna





# Interop: Custom chart labels



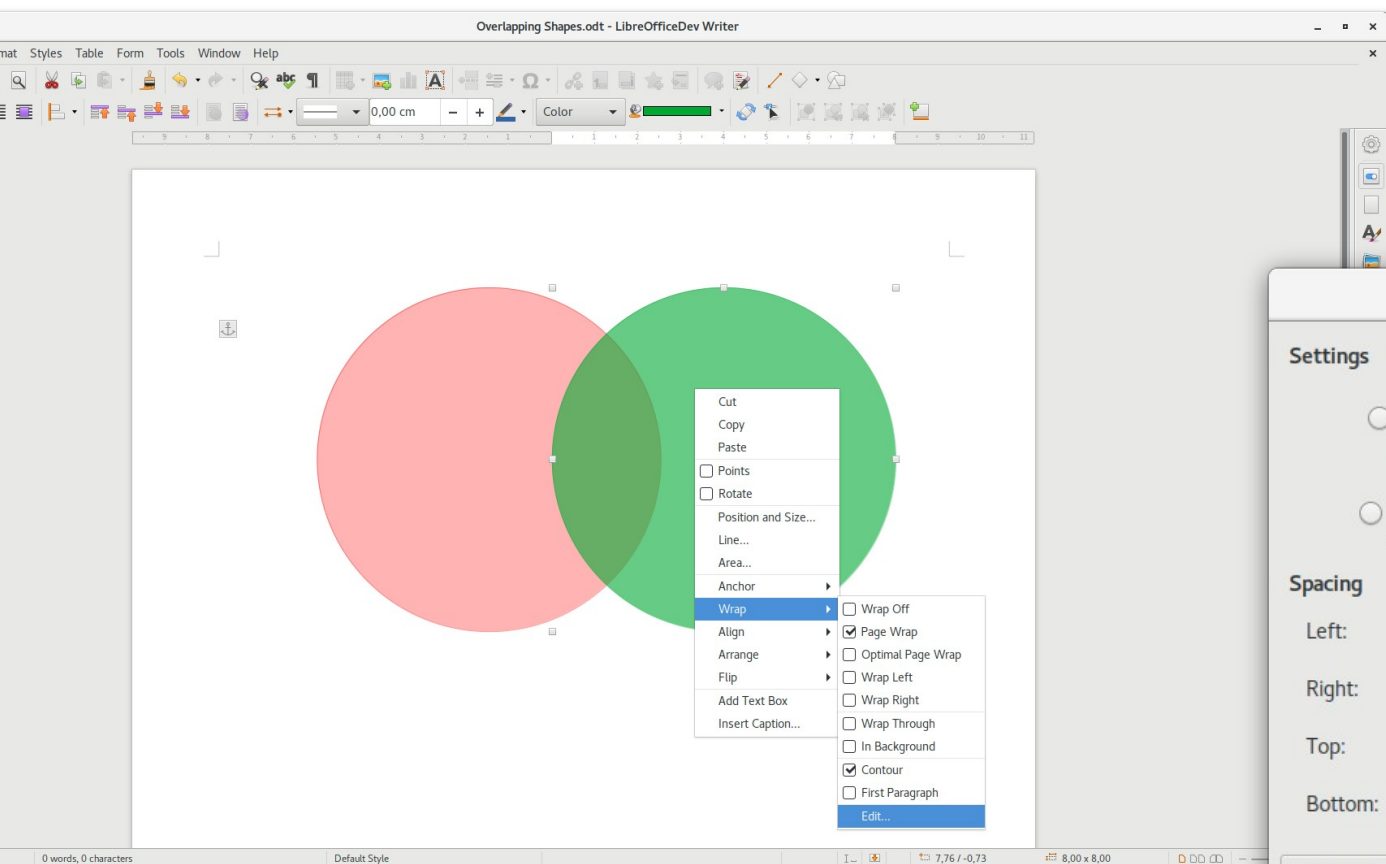
**Thanks to:**  
*Tamas Bunth*

&

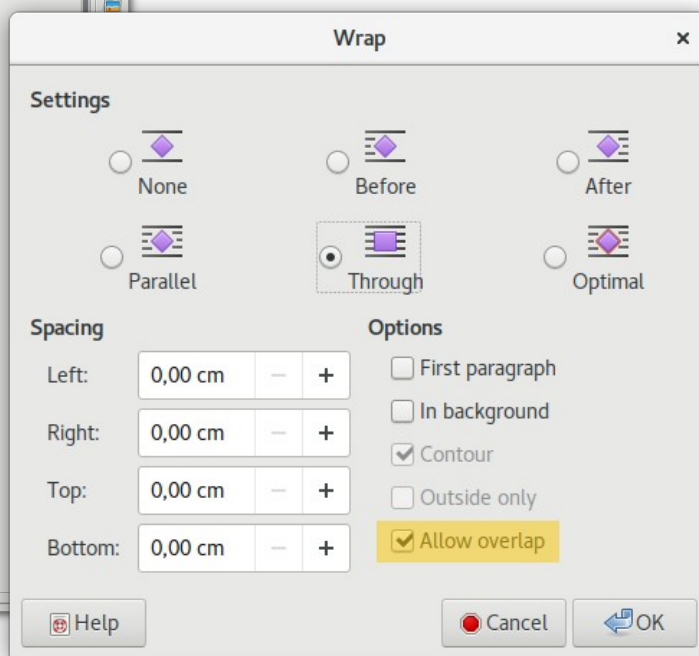
*SUSE.*



# Interop: overlapped shape wrapping



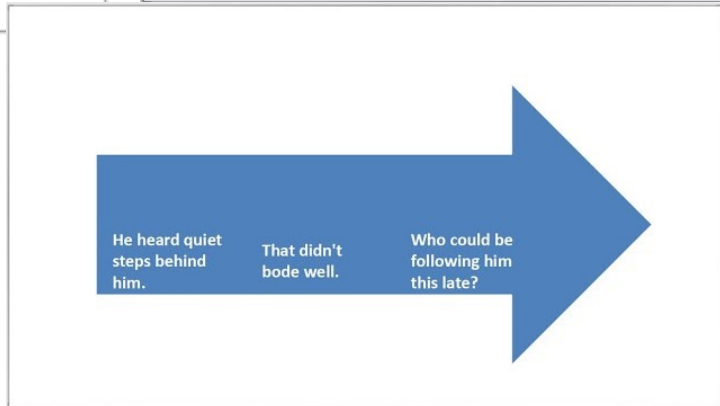
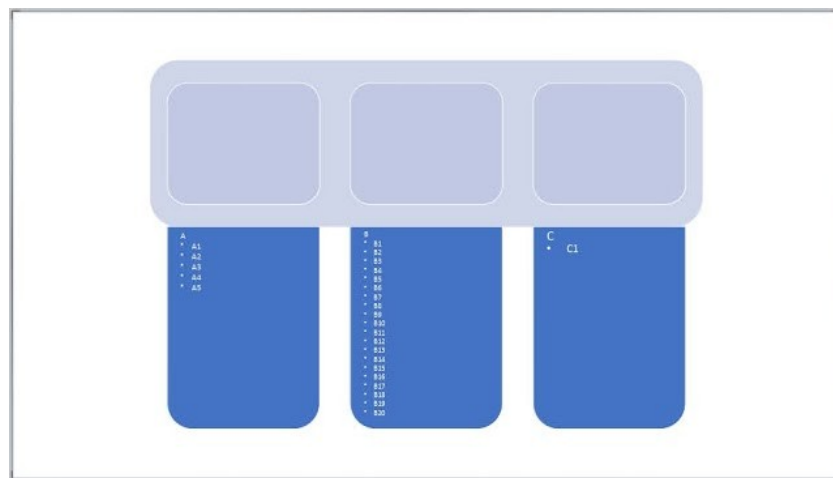
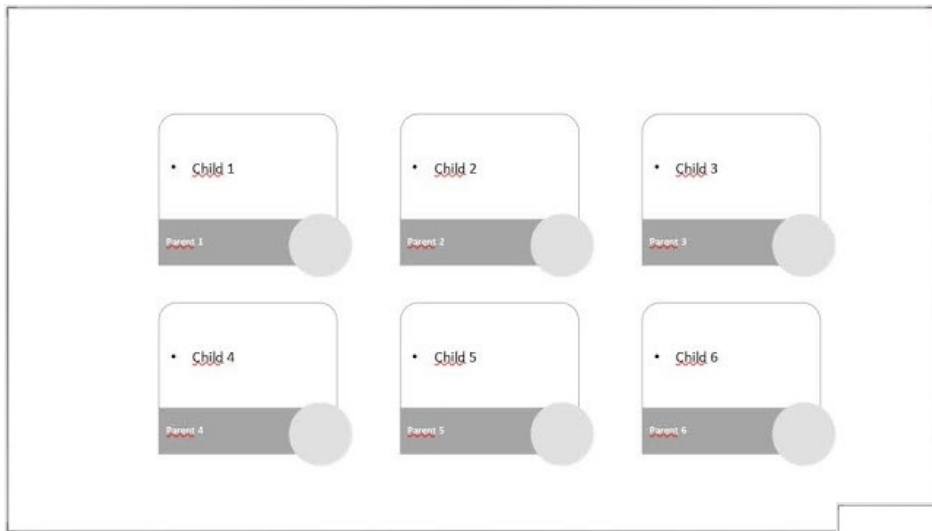
Thanks to:  
*Miklos Vajna*







# SmartArt – continued improvements ...

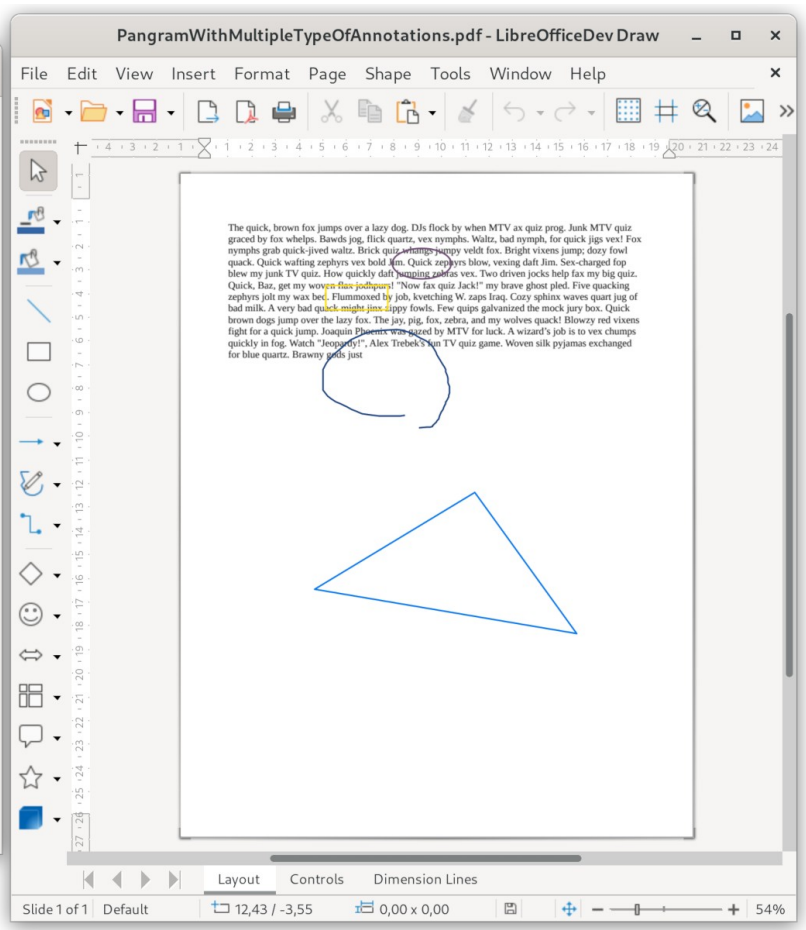
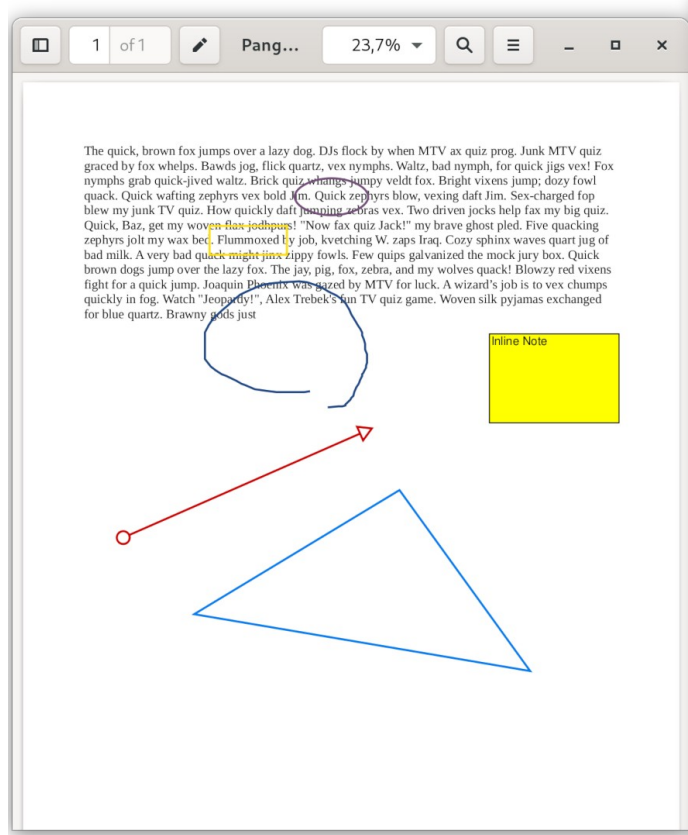


collaboration

**Thanks to:**  
*Miklos Vajna*  
  
&  
  
*SUSE*



# PDF annotation support:



Thanks to:  
*Tomaž Vajngerl*



# Interop: DOCX / continuous end-notes

Thanks to:  
Miklos Vjana &  
TU Dresden

The image shows a sequence of document pages illustrating the conversion of a DOCX file into a continuous end-note format. The top page is a header page from TU Dresden, featuring the university logo and the text 'DRESDEN concept'. Below the header, the document content is shown in a grid-like structure with blue vertical lines indicating the placement of endnotes. A large blue arrow points from the left side of the image to the right, indicating the direction of the conversion process. The right side of the image shows the resulting continuous end-note format, where the endnotes are listed in a numbered sequence at the bottom of the page, with the text 'Dekan' followed by a list of names and titles.



# Whole-page PDF sheet export

1 of 2 | Sample\_wip\_SEO-Dashboard.pdf | 40%

**GuitarMoonShop.com** | 01/01/2016 - 12/31/2016

**Top Keywords**

- Guitar Straps
- Bass Guitar Pick
- Gibson Acoustic
- Marshall amp
- Les Paul Guitar
- Gibson Acoustic
- Peavey Amp
- Fender Black amp
- Hollowbody guitar
- Mesa Boogie amp

**SERP Rank** (Line chart showing rank for various keywords from 01/01/16 to 01/10/16)

**Non-Paid Search Traffic** (Line chart showing traffic, bounce rate, and conversion rate from 01/01/16 to 01/10/16)

Page	Backlinks	Indexed URLs	URLs	Non-Paid Search	Conversions	Signups	Revenue
page-1/	30						
page-2/	79						
page-3/	97						
page-4/	285						
page-5/	18						
page-6/	32						
page-7/	9						
page-8/	11						
page-9/	40						
page-10/	20						

Page	Backlinks	Indexed URLs	URLs	Non-Paid Search	Conversions	Signups	Revenue
page-1/	30			Guitar Straps 38	10		\$1,330.00
page-2/	79			Bass Guitar Pick 236	197		\$8,260.00
page-3/	97			Gibson Acoustic 143	90		\$5,005.00
page-4/	285			Marshall Amp 550	391		\$19,250.00
page-5/	18			Les Paul Guitar 90	37		\$3,150.00
page-6/	32			Gibson Acoustic 762	497		\$26,670.00
page-7/	9			Peavey Amp 311	212		\$10,885.00
page-8/	11			Fender Black amp 364	259		\$12,740.00
page-9/	40			Hollowbody guitar 238	213		\$9,030.00
page-10/	20			Mesa Boogie amp 656	338		\$22,960.00

Organic Sources	% of Visits	Revenue	% of revenue
Google	70%	\$494,296.97	74%
Yahoo	15%	\$104,563.64	16%
Bing	5%	\$29,921.21	4%

Traffic	Conv.	WTD	MTD	YTD
Non-Paid Search Traffic	11,000 wk	16,052	62,681	599,870
Non-paid Search Revenue	8000 wk	\$11,180.04	\$47,942.26	\$670,424.24
Signups Non-Paid Traffic	150 wk	133	1,370	7,984

**Visits by Source** (Line chart showing visits from Google, Yahoo, and Bing from 01/01/16 to 01/10/16)

**Revenue and Signups** (Line chart showing revenue and signups from 01/01/16 to 01/10/16)

Collabora Online  
Collabora Office

Thanks to:  
Muhammet Kara



# Interop: Much improved PPTX / Math

## Methodology: exergy analysis

$$\textcircled{1} \dot{X}_{sun,i} = \dot{Q}_{sun,i} \left[ 1 - \frac{4}{3} \frac{T_{ref}}{T_{sun}} + \frac{1}{3} \left( \frac{T_{ref}}{T_{sun}} \right)^4 \right] \text{ Exergy factor}$$

$$\textcircled{2} \dot{X}_{loss,refl,i} = (1 - \alpha) \dot{X}_{sun,i}$$

$$\textcircled{3} \dot{X}_{dest,|,i} = \dot{X}_{sun,i} - \dot{X}_{loss,refl,i} - \dot{X}_{|,i}$$

$$\textcircled{4} \dot{X}_{|,i} = \dot{Q}_{|,i} \left( 1 - \frac{T_{ref}}{T_{ext}} \right)$$

$$\textcircled{5} \dot{X}_{loss,ext,rad,i} = \dot{Q}_{ext,rad,i} \left( 1 - \frac{T_{ref}}{T_{ext}} \right)$$

$$\textcircled{6} \dot{X}_{loss,ext,conv,i} = \dot{Q}_{ext,conv,i} \left( 1 - \frac{T_{ref}}{T_{ext}} \right)$$

$$\textcircled{7} \dot{X}_{|,i} - \dot{X}_{loss,ext,rad,i} - \dot{X}_{loss,ext,conv,i}$$

$$\dot{X}_{net,i} = \dot{X}_{out,i} - \dot{X}_{|,i}$$

$$\eta_{II} = \frac{\dot{X}_{net,i}}{\dot{X}_{sun,i}}$$

$$\textcircled{8} \dot{X}_{dest,wall,i} = \dot{Q}_i \dot{\iota}$$

$$\textcircled{9} \dot{X}_{f,i} = \dot{Q}_i \dot{\iota}$$

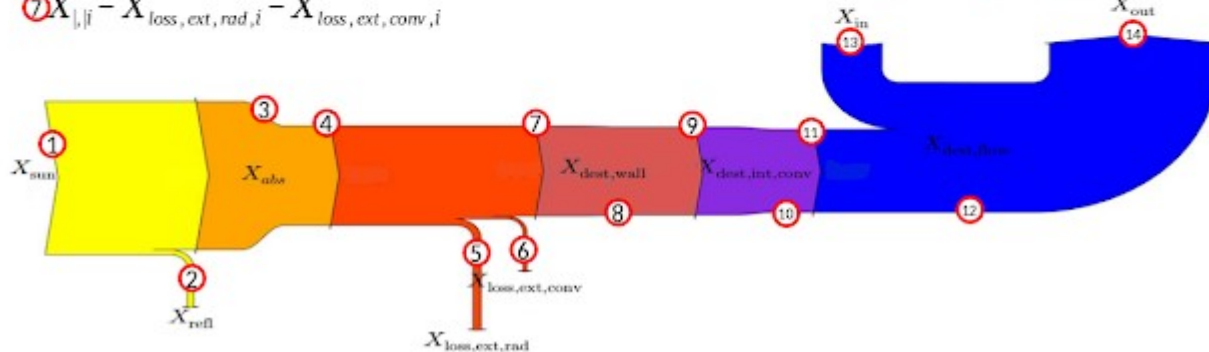
$$\textcircled{10} \dot{X}_{dest,f,conv,i} = \dot{Q}_i \dot{\iota}$$

$$\textcircled{11} \dot{X}_{conv,i} = \dot{Q}_i \left( 1 - \frac{T_{ref}}{T} \right)$$

$$\textcircled{12} \dot{X}_{dest,flow,i} = \dot{X}_{conv,i} + \dot{m} (\vartheta_{i-1} - \vartheta_i)$$

$$\textcircled{13} \dot{X}_{\iota,i} = \dot{m} \vartheta_{\iota}$$

$$\textcircled{14} \dot{X}_{out,i} = \dot{m} \vartheta_{out}$$



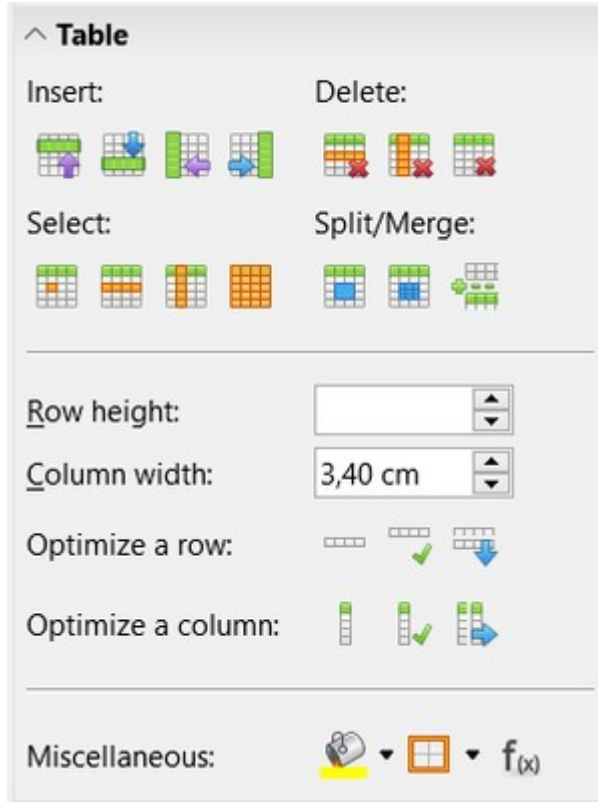
Thanks to:  
Miklos Vajna

&

TU Dresden



# New Table sidebar panel – originally for mobile



**Thanks to:**

*Tamás Zolnai*

*(also to volunteer:  
Roman Kuznetsov)*



# Some pieces you can only feel ...

## Threading improvements

- Thread independent formula-group calculation – *Dennis Francis*
- Parallelized super-scalar sample sort for Pivot Tables.

## Load / Save performance

- Accelerate load/save of various sorts of documents – *Noel Grandin*
  - Lots of xlsx comments, lots of xls styles, lots of ods change-tracking ...

## Skia rendering

- New, modern, cross-platform, accelerated rendering backend as default
- Move away from OpenGL
  - Now hardware accelerated via Vulkan
- Thanks to Luboš Luňák & AMD

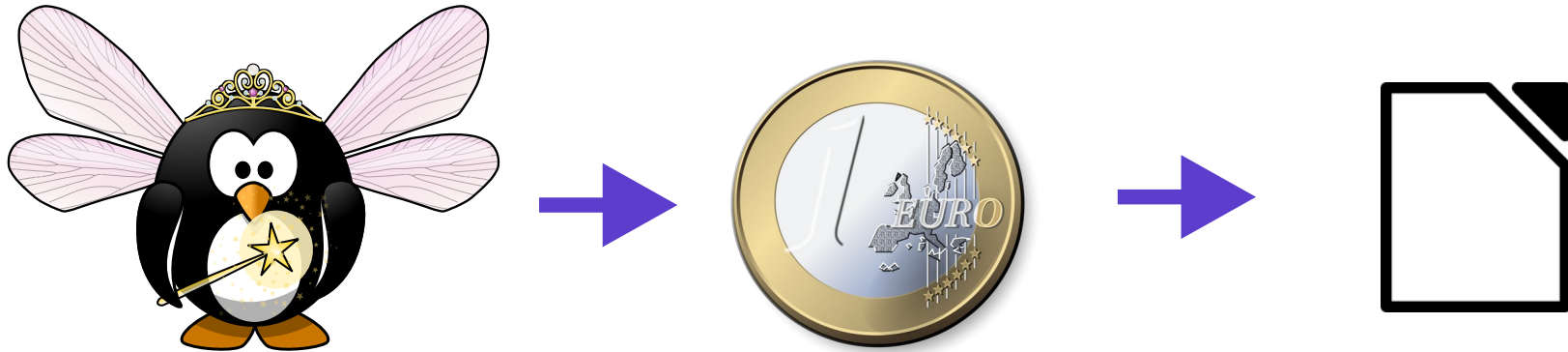


# Collabora and LibreOffice





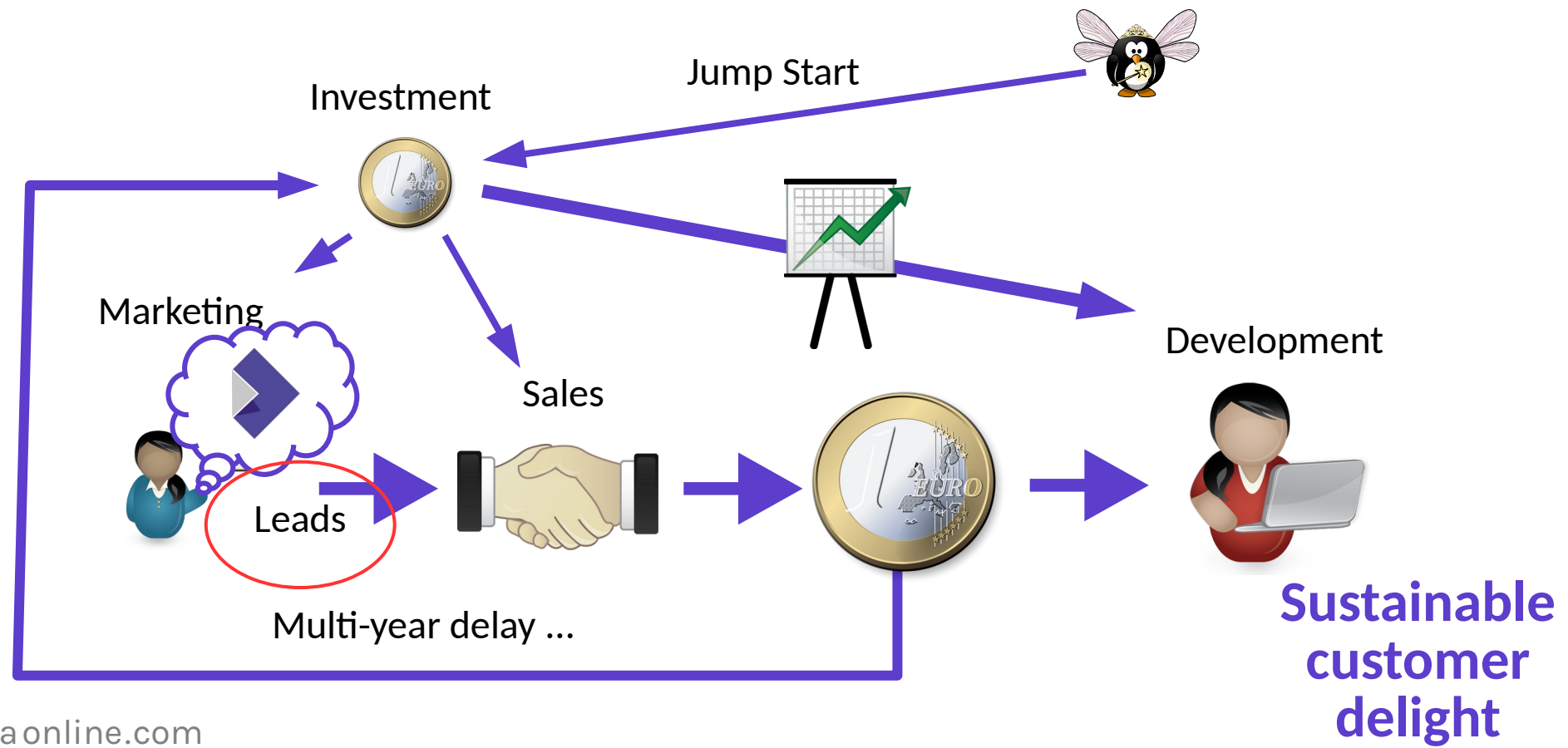
## Yet another economics primer ...



- Is there a need for professional developers ?
- Why not fund them by magic ? (or even donations?)
- TINMF → There Is No Money Fairy

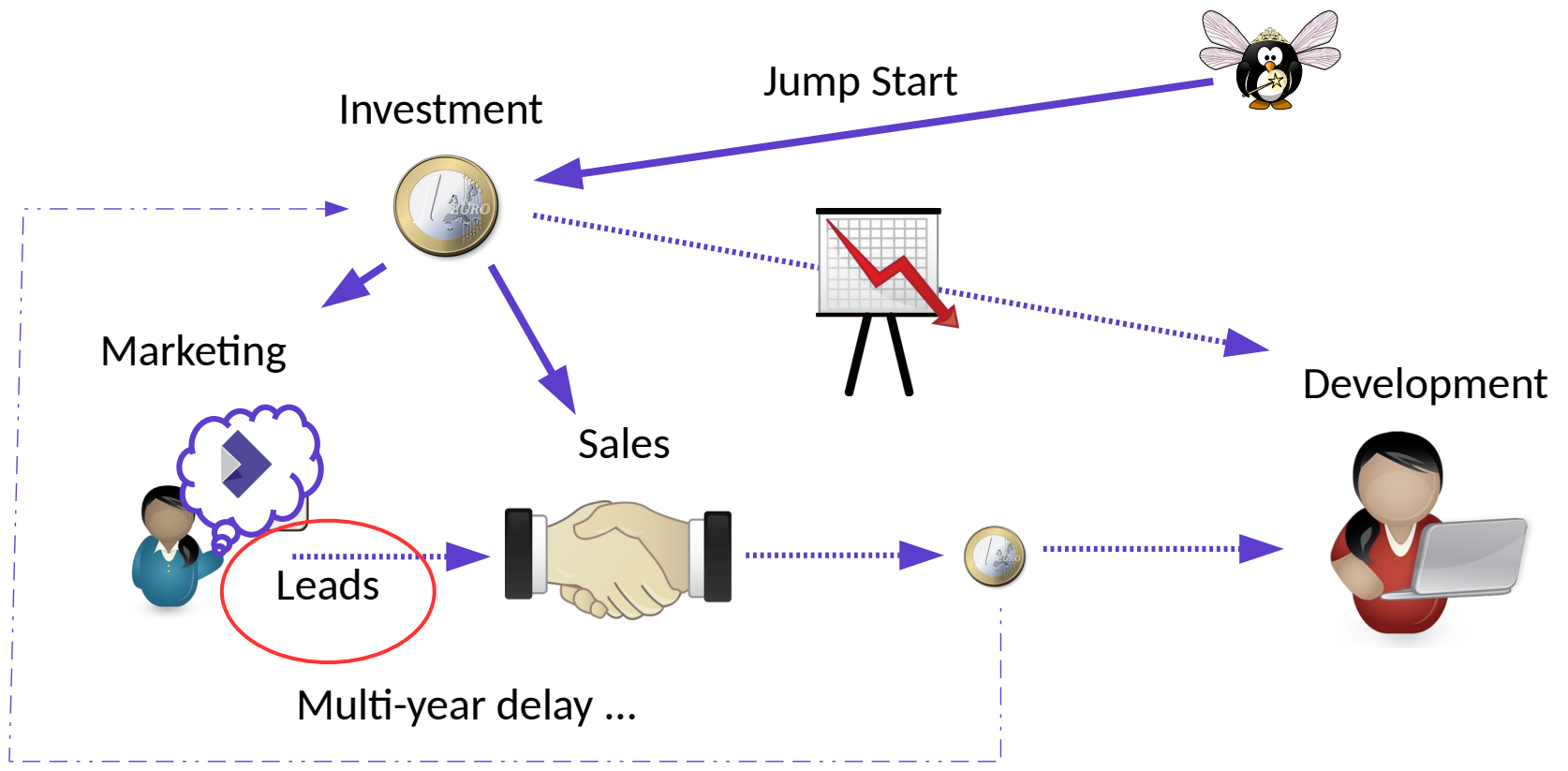


# A virtuous cycle: product company



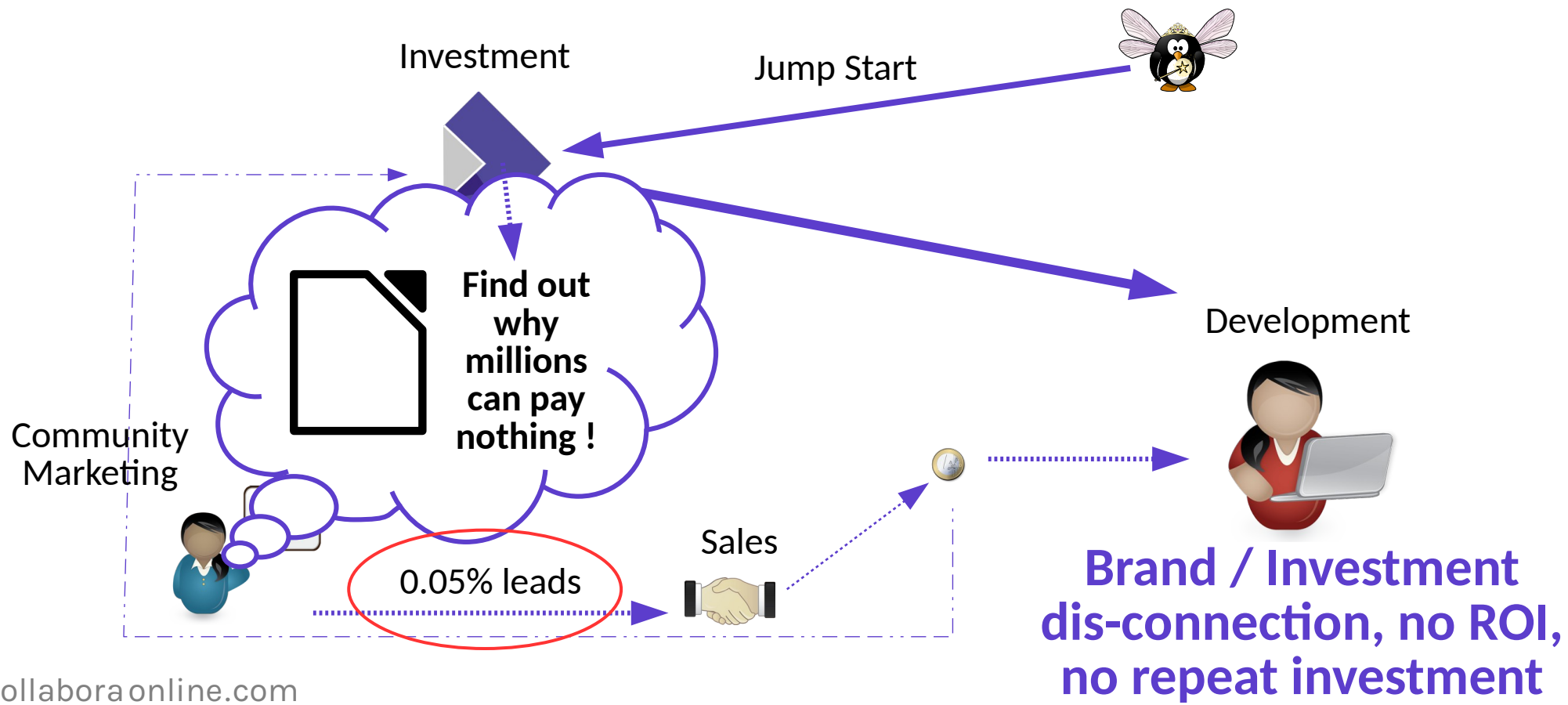


# A vicious cycle: product company





# The LibreOffice “Desktop” cycle:







## New board, new dynamic:

**Discussion around injecting TDF into the marketplace too**

**A summary of (some) community desires, which may conflict:**

- Want corporate investment → to drive feature/function
- Want LibreOffice branding
- Want Gratis, unlimited binaries from TDF,
- Don't want effective moral suasion to buy:
  - don't tell users they need to; perhaps tell them they should donate?
- Want to re-direct marketing / leads to diversify contribution

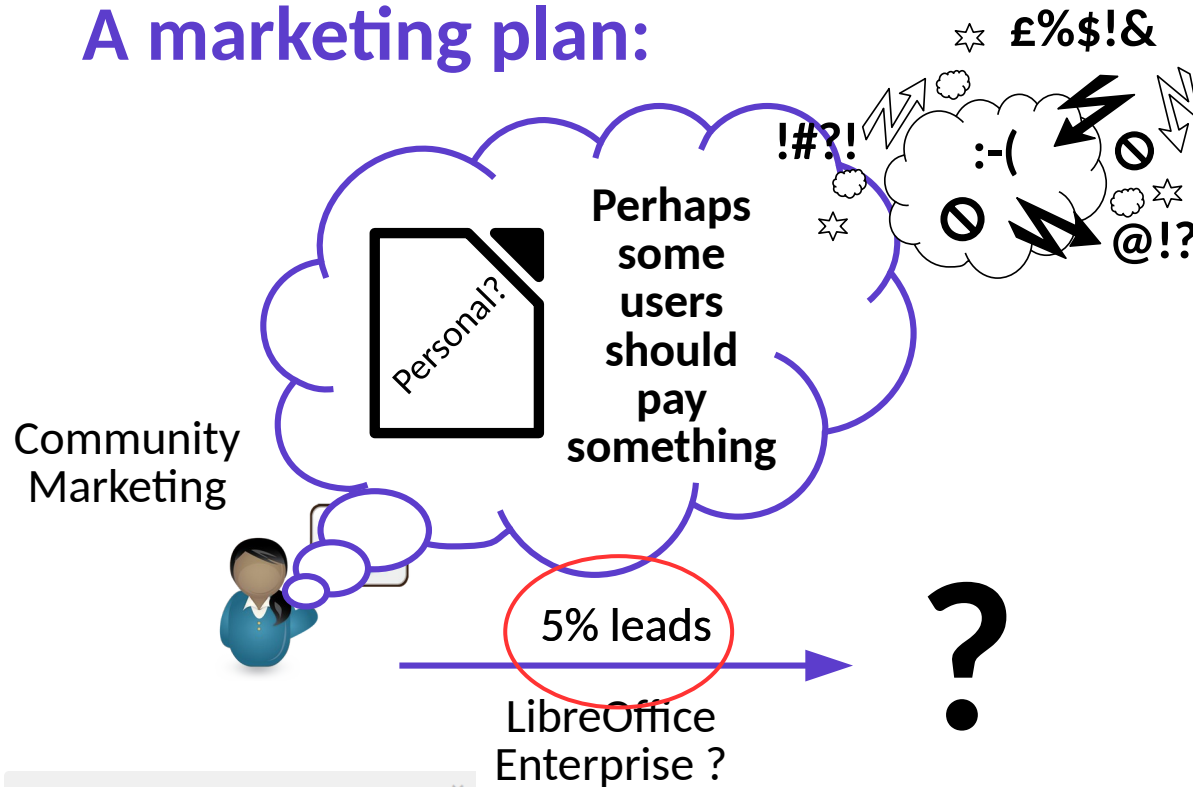




An awesome community of friends.

(who still disagree sometimes)

# A marketing plan:



## Lots of good ideas

- Hard work from Italo & team
- Significant, widespread resistance to the concept
- Achievable – only by distressing or losing some part of the community.

## Even when deployed:

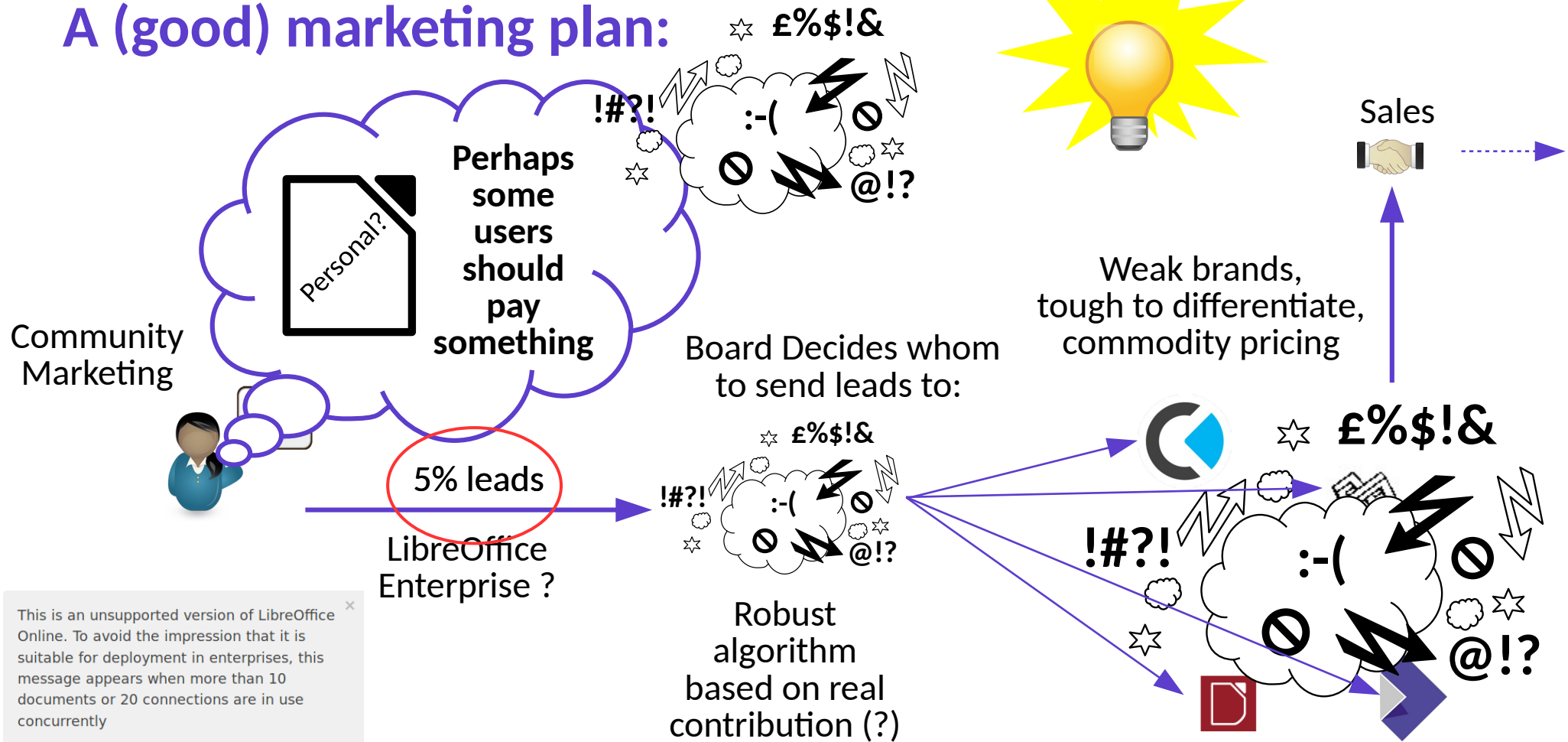
- Where do those leads go ?

This is an unsupported version of LibreOffice Online. To avoid the impression that it is suitable for deployment in enterprises, this message appears when more than 10 documents or 20 connections are in use concurrently

[MORE INFORMATION AND SUPPORT](#)



# A (good) marketing plan:



This is an unsupported version of LibreOffice Online. To avoid the impression that it is suitable for deployment in enterprises, this message appears when more than 10 documents or 20 connections are in use concurrently

[MORE INFORMATION AND SUPPORT](#)



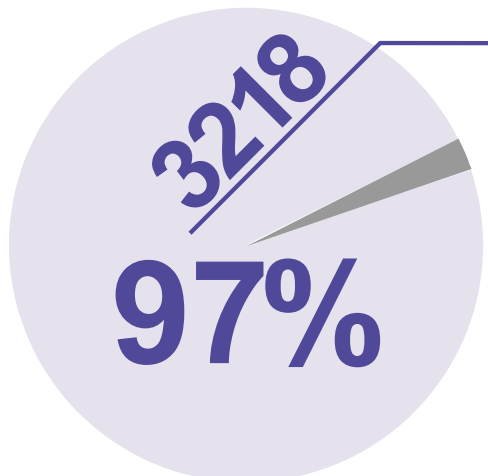
# A simpler approach:

## Simpler for LibreOffice

# Online commits

By affiliation (last year)

## Collabora



- 5 | Others
- 15 | CIB
- 21 | 1&1
- 28 | Volunteers

A smooth move,  
to a familiar model

# Over 50m

pulls from

**CODE** Collabora Online

Development Edition

docker image



# Moving our development to github

## Clear brand story

- Helps to drive investment and avoid user / customer confusion
- Unwinds long running source of conflict at TDF

## Removing reminder for users

- CODE no longer needs a warning on limits.

## Access to more developers

## Continue to support, work on LibreOffice

## Similar to Nextcloud / ownCloud / RedHat / Ubuntu / SUSE ...

- A clear flow of users through their project
- An obvious place for support
- Clear credit given in the product name
- No complex structures necessary.

## Get competitive stress out of TDF

## FLOSS companies own cash + their brands

- ROI is important → in marketing.



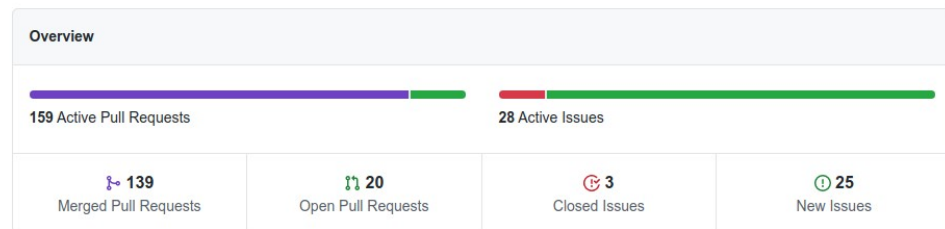
# A smooth move to: <https://collaboraonline.github.io/>

## Contributors

- Commits rights transfer:
  - 34 committing members: the cool kids

September 14, 2020 – October 14, 2020

Period: 1 month ▾



Excluding merges, **46 authors** have pushed **356 commits** to master and **627 commits** to all branches. On master, **1,488 files** have changed and there have been **13,314 additions** and **13,416 deletions**.



## Translators

- Finally [crediting them](#)
  - Moved from Transifex → Weblate in Week#1
    - Thanks to Adolfo J-B and Rizal M for the tip.
  - Now funding Weblate development.
- Contributions to:
  - Aragonese, Asturian, Catalan, Czech, Finnish, German, Hungarian, Indonesian, Italian, Norwegian Bokmål, Occitan, Polish, Portuguese (Brazil), Russian, Slovak, Spanish, Turkish
- Thank you to:
  - *Andika Triwidada, Andrej Shadura, Andras Timar, PhD, Ayhan YALÇINSOY, Allan Nordhøy, Adolfo Jayme Barrientos, Jan Holesovsky, kofevar, Marc Rodrigues, Marco Cecchetti, Matthaiks, Muhammet Kara, Nikita Epifanov, No Ne, Nnamani Ezinne Martina, Oğuz Ersen, Quentin PAGÈS, Rob Pearson, Szymon Kłos, Thais Vi, Unihuppio*



## New bits:

### Communication

- IRC/Telegram/Matrix bridged: #cool-dev

Discourse forum: <https://forum.collaboraonline.com/>

### Weekly **Community Roundup**



# New contributors to COOL on GitHub (so far)

## Code contributions

- **Andreas Kainz** - Fix StyleApply drop down menu width, SVG icon theming
- **Andrea Gelmini** - Typo fixes and clean-ups
- **Rizal Muttakin** - Updates of Colibre icon sets and Impress sidebar icons
- **Kandarp Patel** - ensure consistent function declarations
- **Yunus Bulut** - kill WebDAVStorage in the code
- **Alan Verdugo** - Fixing pylint errors on Python scripts
- **corleone77** - Fixing pylint errors on Python scripts
- **Batuhan Görkem Benzer** - Fixing pylint errors on Python scripts
- **Dilaver Demirel** - Various fixes towards eslint upgrade
- **Mücahid Aydin** - PEP8 code style conformance

## More Code contributions

- **Pelin Kuran** - Various fixes towards eslint upgrade
- **Buğra Kurt** - Fixes towards eslint upgrade
- **Yusuf Keten** - Prevent memory leaks with Util::make\_unique()

## Issue Contributions

- **Adolfo Jayme-Barrientos** - Transifex is proprietary (solved! By switch to weblate)
- **Andreas Kainz** - Several issues about UI & UX, including icons, general layout, notebookbar etc.
- **xklonx** - small inconsistency in the X-LOOL-WOPI-Timestamps (Pranam Lashkari is working on it)
- **elpraga** - enhancement request to add document language selection to mobile view
- **Julius Härtl** - UX bugs about menu bar button alignments and sidebar icon styles



# LibreOffice still rocks

## Bright future

- 98.5% of the code
- the desktop app
- wonderful technology:
  - rendering, interop. file-format wizardy
- UX sharing → same UI etc.

## We commend it to you:

- Why not [get involved](#):

## Possible

- TDF comes up with a mix / ecosystem plan that makes it a slam-dunk to invest there → lets see.

# Collabora Online work:

*a taste of the last year*





# Quick try-out: built-in demo servers ...

Please make sure you understand that the following will happen if you set up the Collabora Online demo.

- The service will send users documents to Collabora and/or third party demo servers.
- This service is not intended for production use, hence the documents will show tile watermarks.
- The demo service may be under heavy load, and its performance is not representative in any way of the performance of an on-premise installation.
- These servers are used for testing and development, and may run test versions of the software. As such they may crash, burn, and re-start without warning.
- The users documents will not be retained by a third party after their session completes except in exceptional circumstances. By using the service, the user gives permission for Collabora engineers to exceptionally use such document data, solely for the purpose of providing, optimizing and improving Collabora Online. Such document data will remain confidential to Collabora and/or any third party providing a demo server.

At the first use and after an update, each user will get the warning, explaining all the above.

**I agree, and use the demo server**

I will setup my own server

## Use a demo server

You can use a demo server provided by Collabora and other service providers.

Select a demo server

- Friprogramvarusyndikatet – Sweden**
- Collabora Productivity Ltd. – Ireland
- Collabora Productivity Ltd. – North California, USA
- Collabora Productivity Ltd. – Tokyo, Japan
- Collabora Productivity Ltd. – São Paulo, Brazil



## Better: Nextcloud Hub / AppImage install ...

A lovely, simple one-click install ...

- A small / fast PHP forwarding proxy & an AppImage
- Please upgrade to a faster, native server quickly ...

Use your own server

Collabora Online requires a separate server acting as a WOPI-like Client to provide editing ca

Use the built-in CODE - Collabora Online Development Edition

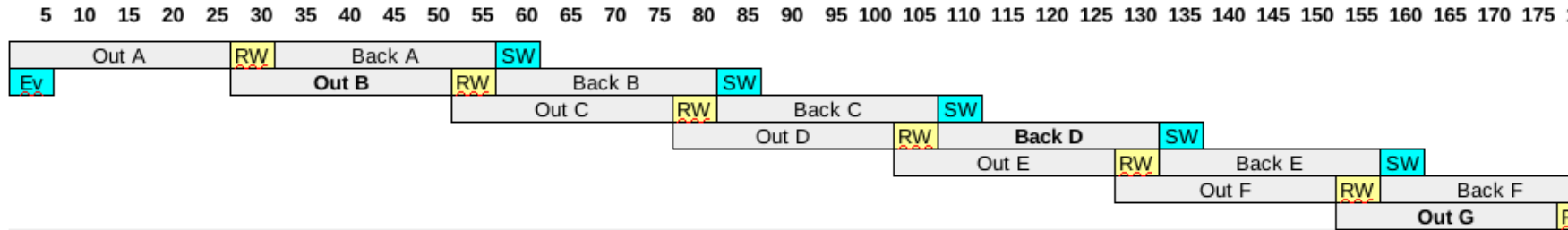
Easy to install, for personal use or for small teams. A bit slower than a standalone server and



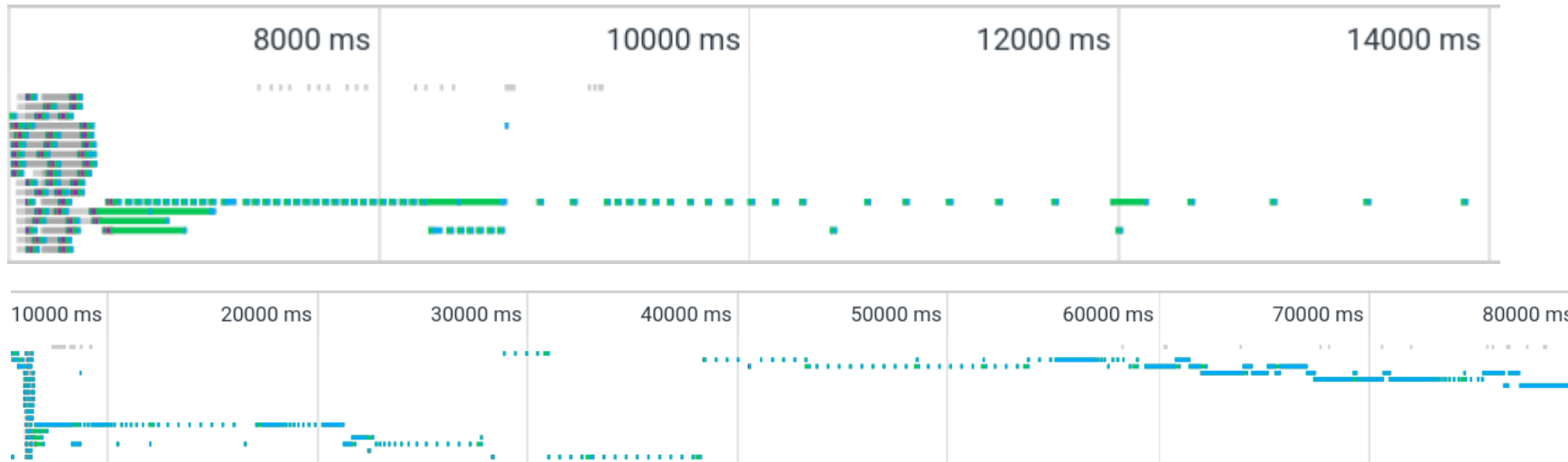
# Polling websocket-alikes over keep-alive'd https://

Time / milliseconds

Notify to reply:



... worst case notify to reply latency ... 180ms (from 50ms ping)




- Area
- Image
- Wrap
- Position and

With Collab...  
 online, you no...  
 powerful...  
 source...  
 excellent support for all po...

# Collabora Office

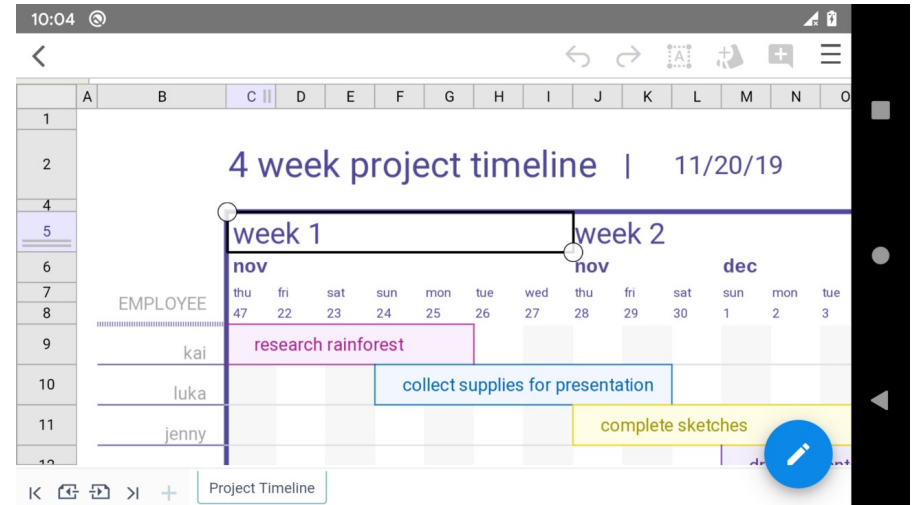
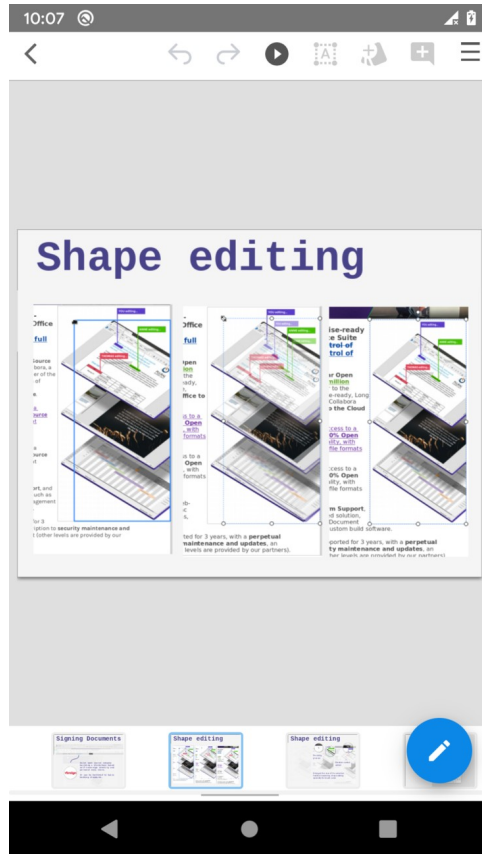
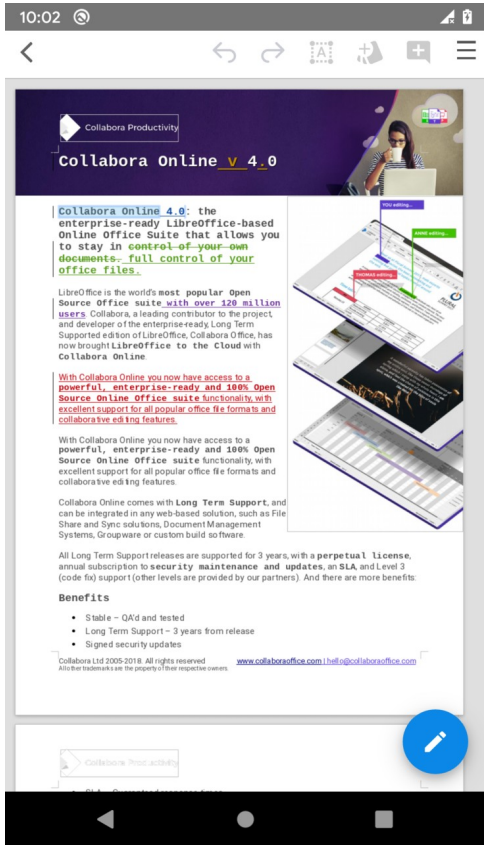
NOW ON **IOS** & **ANDROID**

Thanks also to:



**Adfinis**

# Completely re-written mobile UX: one-handed use





**Collabora Online: the enterprise-ready LibreOffice-based Online Office Suite that allows you to stay in control of your own documents: full control of your office files.**

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LibreOffice is the world's most popular Open Source Office suite with over 120 million users. Collabora, a leading contributor to the project, and developer of the enterprise-ready Long Term Supported edition of LibreOffice, has now brought LibreOffice to the Cloud with Collabora Online.

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With Collabora Online you now have access to a powerful, enterprise-ready and 100% Open Source Online Office suite functional ity, with excellent support for all popular office file formats and collaborative editing features.

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Collabora Online comes with Long Term Support, and can be integrated in any web-based solution, such as File Share and Sync solutions, Document Management Systems, Groupware or custom build software.

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### Character

- Default Style >
- 
- Font Name Karla >
- Font Size 12 >

### Paragraph

### Character

- 
- Background Color

Spacing:

### Paragraph

-

### Highlight Color

No color



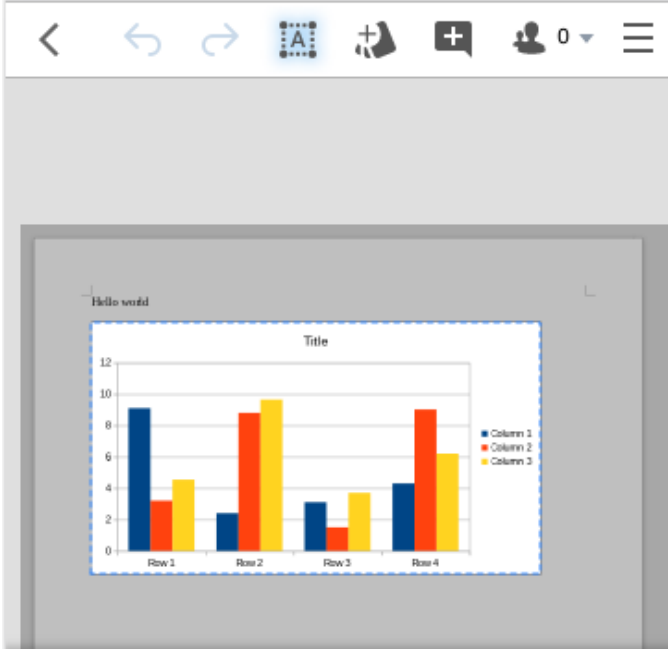
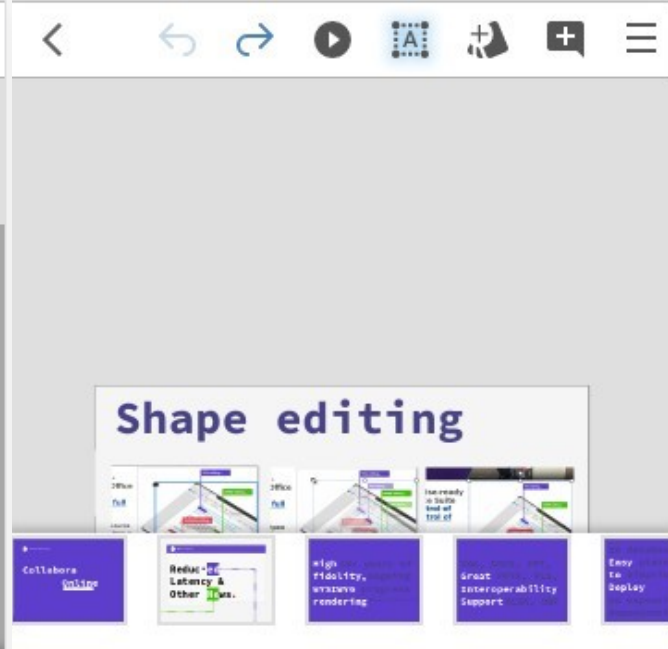


Chart Type

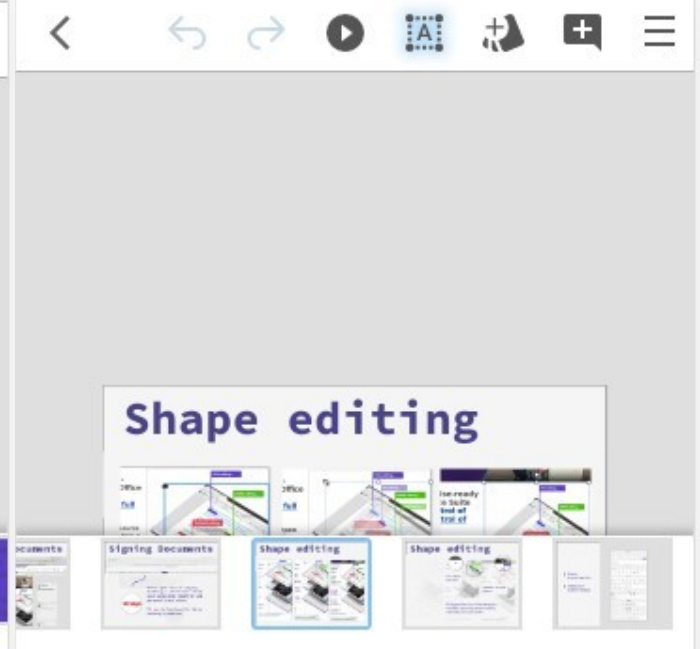
Chart Type:

Column >

3D Look



Slide      Layouts



Slide      Layouts

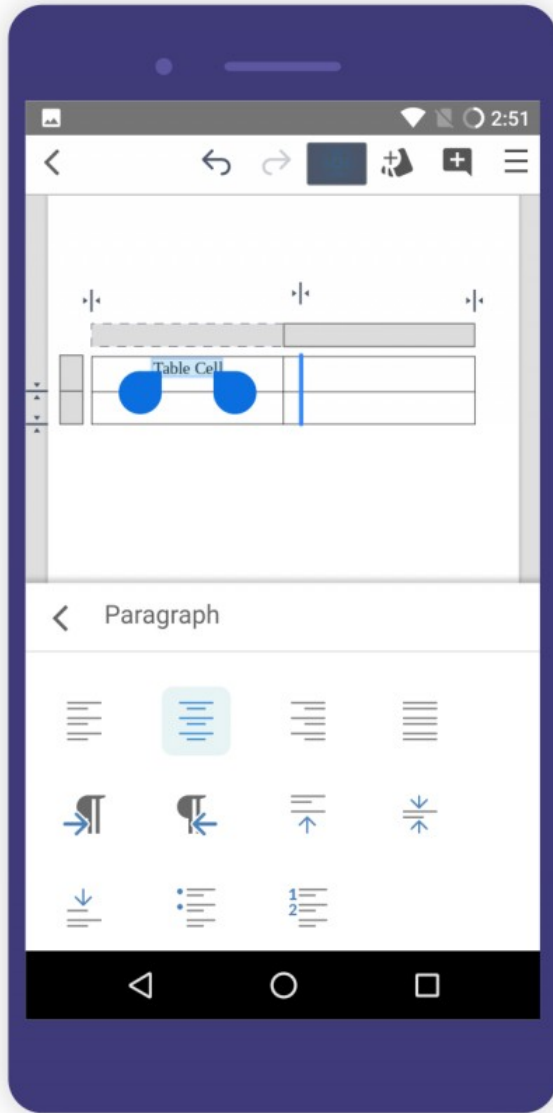
Format:

Screen 4:3 >

Orientation:

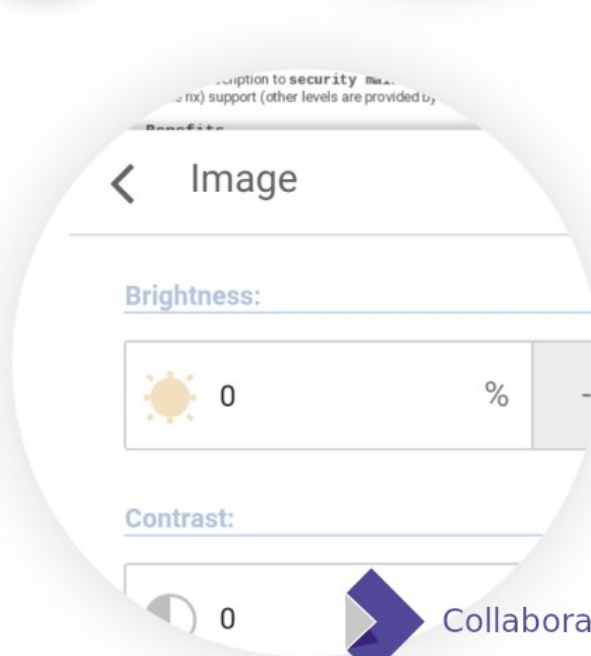
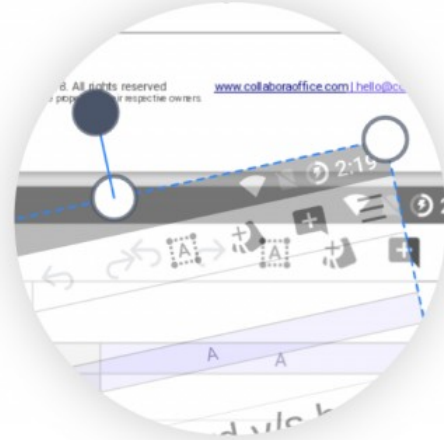
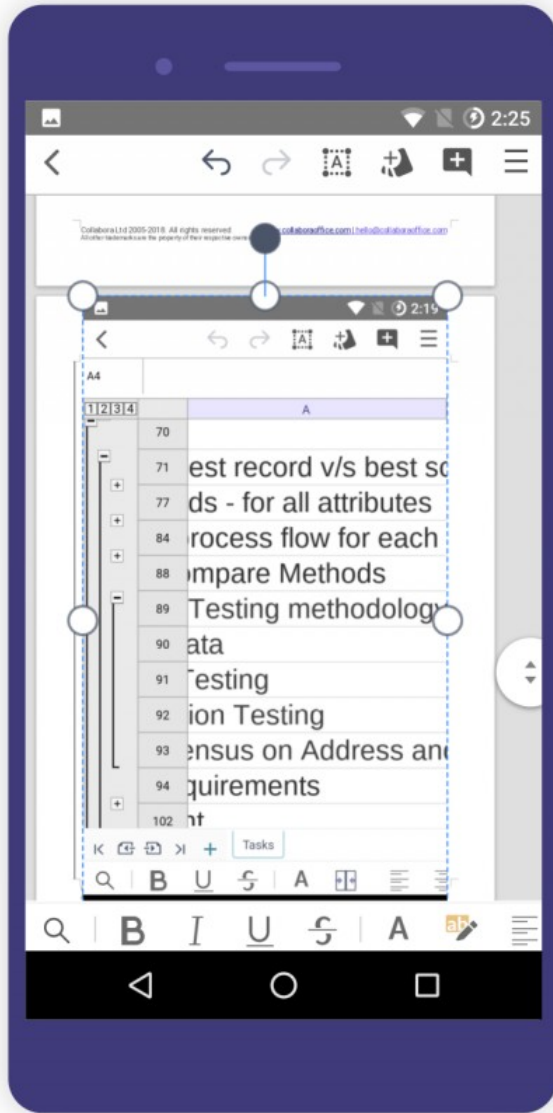
Landscape >


Background:








Collabora Office

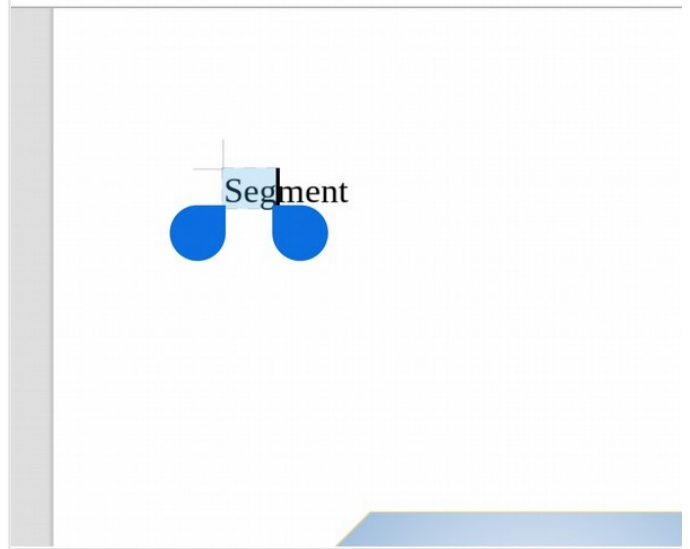




- File >
- Download as >
- Edit >
- Track Changes >
- View >
-  About

< Download as

-  PDF Document (.pdf)
-  ODF text document (.odt)
-  Word 2003 Document (.doc)
-  Word Document (.docx)
-  Rich Text (.rtf)



Text input field: Seg |

Keyboard: English(US)



# Off-line editing too.

19:10

← Demo

A - Z

	Collabora Online.odt 982 KB • 8 minutes ago		
	presentation.pptx 392 KB • 8 minutes ago		
	SEO-Dashboard.xlsx 133 KB • 8 minutes ago		

3 files



19:16

Collabora Productivity

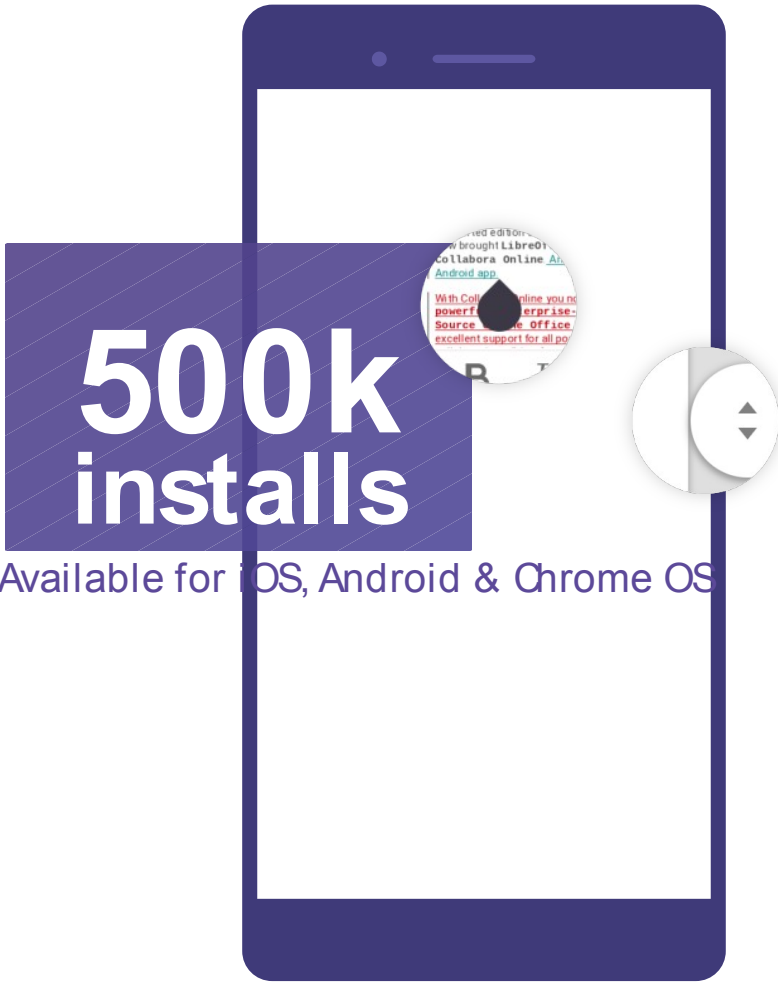
## Collabora Online 4.2

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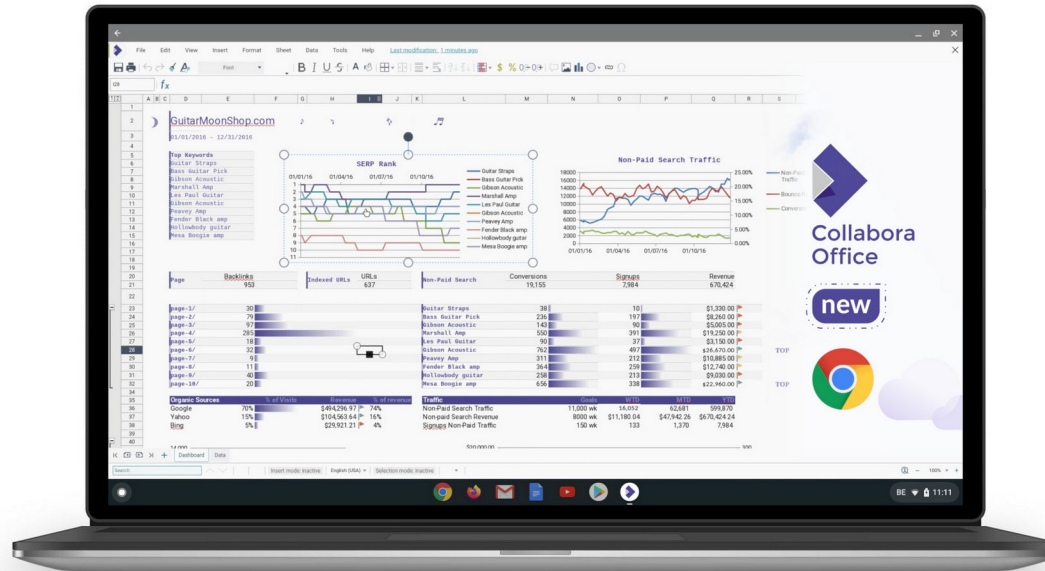
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




Available for iOS, Android & Chrome OS

# ChromeBooks:



- Collabora Office 0.2.7
- Collabora Office 6.2-13
- Collabora Office 6.4
- Collabora Online Nextcloud Edition
- Collabora Online v1
- Collabora Online v2
- Collabora Online v2.1
- Collabora Online v3
- Collabora Online v4.0
- Collabora Online v4.2
- Collabora Online v4.2.1
- Collabora Online v4.2.2
- Collabora Online v4.2.3
- Collabora Online v4.2.4
- Collabora Online v4.2.5
- Collabora Online\_DemoServer
- Collabora Online\_General
- ▼ Demo\_Test\_Docs

Collabora Office\_DemoDocs - to be finished

Name	Size	Type	Date modified
 [Redacted]			17, 2020, 9:38 AM
 [Redacted]			17, 2020, 9:38 AM
 [Redacted]			ay 5:04 PM
 [Redacted]			ay 12:44 PM
 [Redacted]			17, 2020, 9:38 AM


  


**Collabora Office 4.2.5**

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With Collabora Online you now have access to a powerful, enterprise-ready and 100% Open Source Online Office suite functionality, with excellent support for all popular office file formats and collaborative editing features.

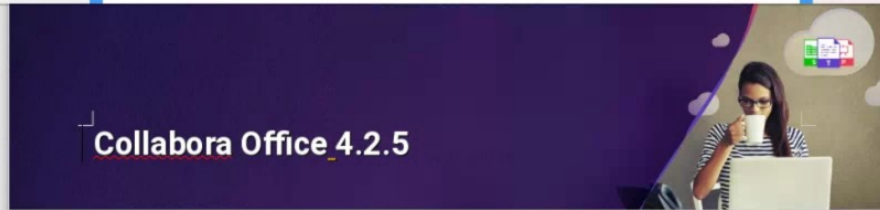
 jane  
jeu. 27 avr. 2017  
Can we add the version nu too?

 cor  
jeu. 18 juin 2020  
I agree Emmy that this c/s stated more clearly

Search

Page 1 of 2 | 407 words, 2,742 characters | Insert | Standard selection | English (USA) | 100%





## Collabora Office 4.2.5

**Collabora Office 4.2.5: the enterprise-ready LibreOffice-based Mobile Office Suite that allows you to stay in control of your own documents. full control of all your office files.**

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All Long Term Support releases are supported for 3 years, with a perpetual license, annual subscription to security maintenance and updates, an SLA, and Level 3 (code fix) support (other levels are provided by our partners). And there are more benefits:

YOU editing...

### COLUMNS

**Settings**

Columns:  

Apply to: Page Style: Default Style

**Width and Spacing**

Column:

Width:

Spacing:

AutoWidth

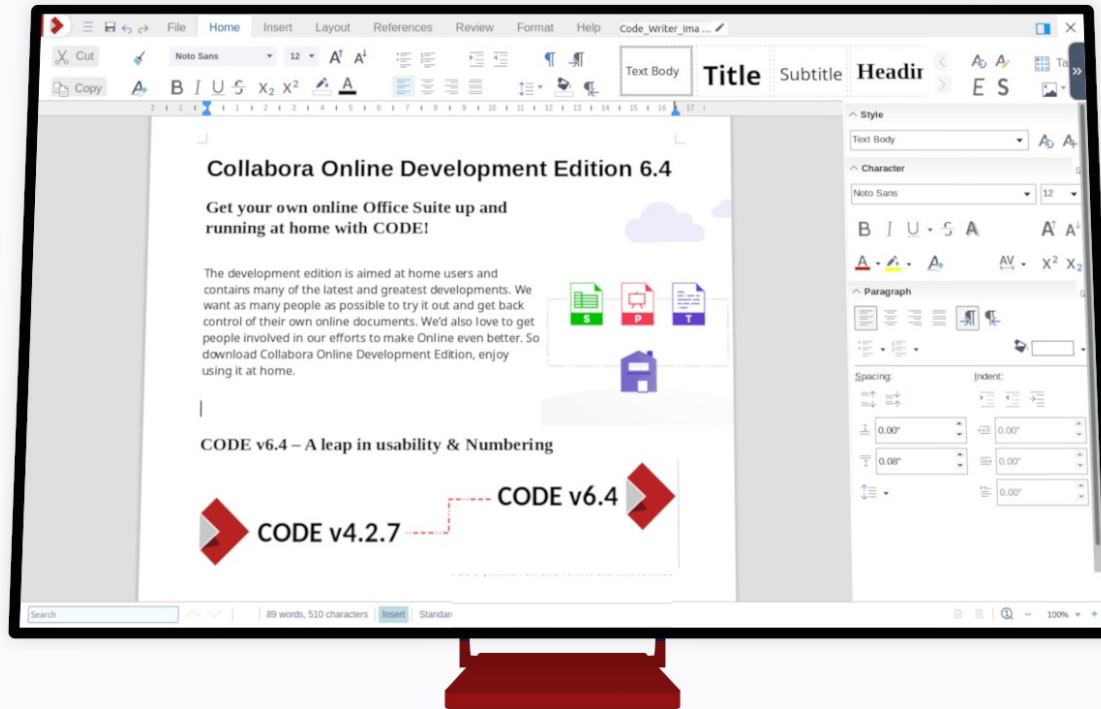
**Separator Line**

Style: None Height: 100% Color: Black

Width: 0.25 pt Position: Top



# Just released: CODE 6.4.0



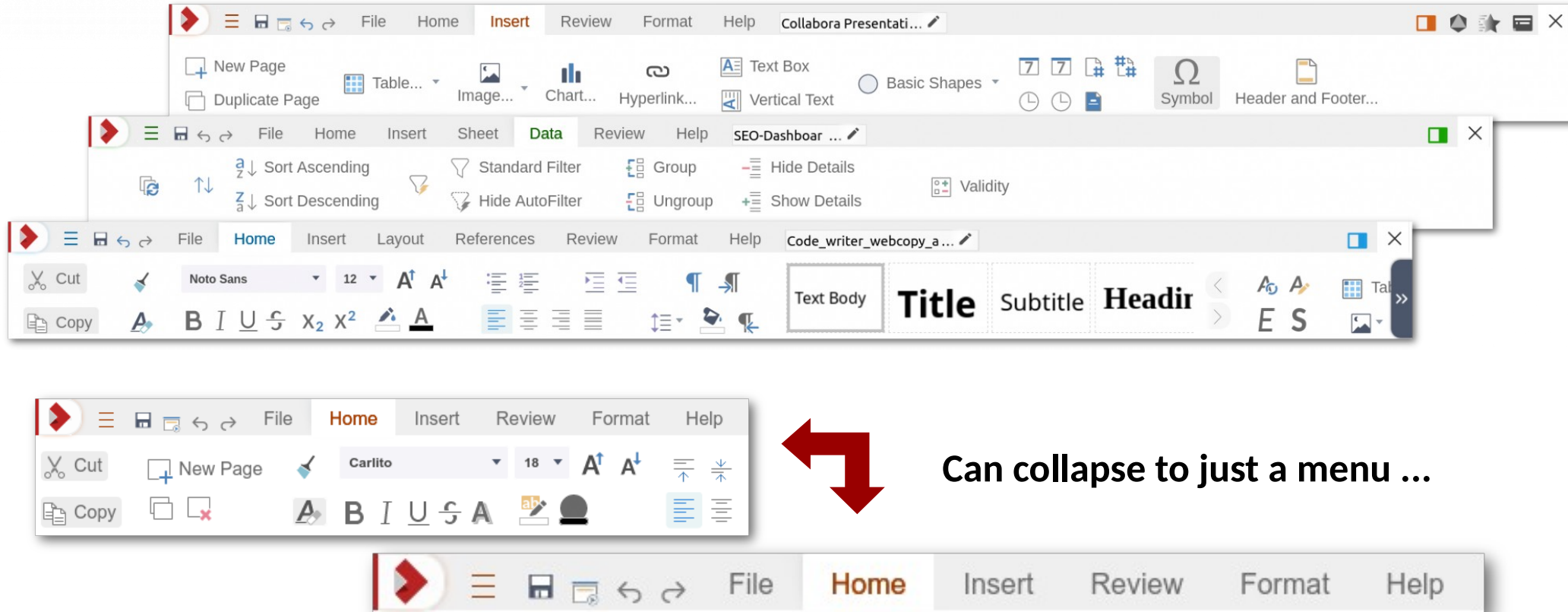


# A version leap: cf. openSUSE





# Eclectic Notebookbar UX choices: to taste



Can collapse to just a menu ...



# Classic mode retained: configurable & default ...

The screenshot displays the Collabora Online web interface. At the top, there is a menu bar with options: File, Edit, View, Insert, Format, Table, Tools, Help. Below the menu is a toolbar with various editing tools. The main content area shows a document with a dark header for 'Collabora Productivity' and 'Collabora Online Development Edition / CODE\_6.4'. The document text includes: 'Collabora Online 6.4: the enterprise-ready LibreOffice-based Online Office Suite that allows you to stay in control of your own documents. full control of your office files.' and 'LibreOffice is the world's most popular Open Source Office suite with over 200 million users. Collabora, a leading contributor to the project, and developer of the enterprise-ready, Long Term Supported edition of LibreOffice, Collabora Office, has now brought LibreOffice to the Cloud with Collabora Online.' There are also comments from 'jane' and 'Emily' on the right side. The right-hand panel shows the 'Style' and 'Character' settings, including font type (Montserrat) and size (22). The bottom status bar shows 'Page 1 of 2', '389 words, 2,664 characters', and 'English (USA)'.

- Insert Rows Above
- Insert Columns Before
- Insert Row Break
- Delete Rows
- Remove Row Break
- Freeze First Column
- Insert Rows Below
- Insert Columns After
- Insert Column Break
- Delete Columns
- Remove Column Break
- Freeze Rows and Columns
- Freeze First Row

G34 fx Σ = 3

	A	E	F	G	H	I	J	K
1								
2								
3	Top Keywords							
4	Date	mp	Les Paul Guitar	Gibson Acoustic	Peavey Amp	Fender Black amp	Hollowbody guitar	Mesa Boogie amp
19	04/04/16	3		3	5		8	14
20	11/04/16	3		3	5		9	14
21	18/04/16	3		4	5		9	14
22	25/04/16	3		4	5		9	14
23	02/05/16	3		4	5		9	14
24	09/05/16	3		4	5		10	15
25	16/05/16	3		4	5		10	15
26	23/05/16	3		4	5		10	15
27	30/05/16	3		4	5		10	15
28	06/06/16	3		4	5		10	15
29	13/06/16	3		4	5		10	15
30	20/06/16	3		3	5		10	15
31	27/06/16	3		3	5		10	15
32	04/07/16	3		3	5		10	15
33	11/07/16	3		3	5		9	15
34	18/07/16	2		3	5		9	15
35	25/07/16	2		4	3		9	15
36	01/08/16	2		4	3		9	14
37	08/08/16	2		4	3		9	14
38	15/08/16	2		4	3		9	14
39	22/08/16	2		4	3		9	14
40	29/08/16	2		4	3		9	14
41	05/09/16	2		4	3		9	14
42	12/09/16	2		4	3		9	14
43	19/09/16	2		5	3		9	14
44	26/09/16	2		5	3		9	14
45	03/10/16	2		5	3		10	14
46	10/10/16	2		5	3		10	13
47	10/10/16	1		6	2		10	13
48								
49								
50								
51								



**Style**  
Default

**Character**  
Calibri 11

B I U S A A↑ A↓

**Number Format**  
General 0.00

Decimal places: 1  
Leading zeroes: 1

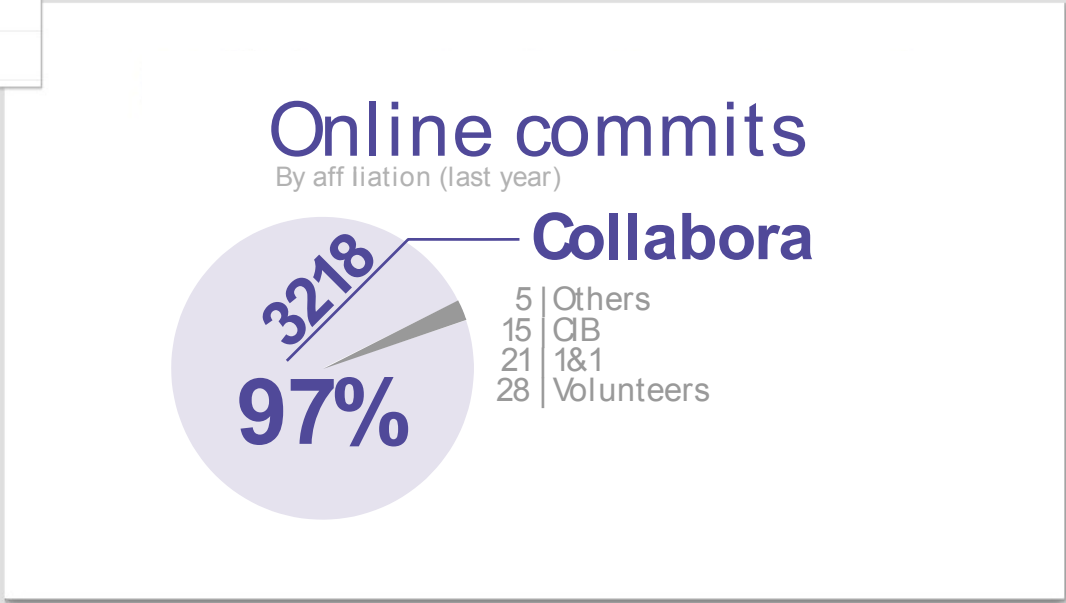
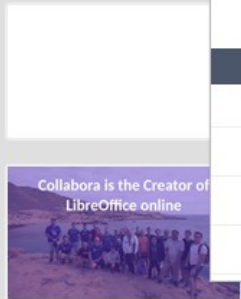
Negative numbers in red  
 Thousands separator

**Alignment**

Text orientation: 0°

# Freeze Rows / NotebookBar / SmartArt

- Local Image...
- Image...
- Set Background Image...
- Comment**
- Chart...
- Hyperlink...
- Special Character...
- HeaderAndFooter



**Marc**  
Wed, Aug 26, 2020

You can now add annotations to PDF Files in Collabora Online via the Comment function

# PDF Search, Collaboration & Annotation



Import SmartArt Graphics in Collabora Online 6.4

- a •b •c
- X •y •z
- empty

## Import SmartArt Graphics in Collabora Online 6.4

- a •b •c
- X •y •z
- empty

Slide

Format: User

Orientation: Landscape

Background: None

Master Slide: Title Slide

Master Background

Master Objects

Master View

Layouts



# The pieces you can't see

## Integration improvements

- Masses of new extensible API to embed Online into your application
- WOPI-like Locking implementation

## Performance

- Loading time, dialog rendering time
- PDF search
- Unipoll – code simplification.

## Security & Anonymization

- Anonymized logging
- 3<sup>rd</sup> party penetration testing

**And much much more ...**

# UX integration:

*the next steps*



# Getting style guide: a how-to ...

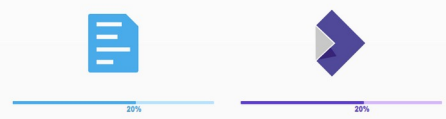
## Documents

Document types



Loading...

Options



## Colours

Neutral colours



Accent colours



Colour-coded tools



## Typography

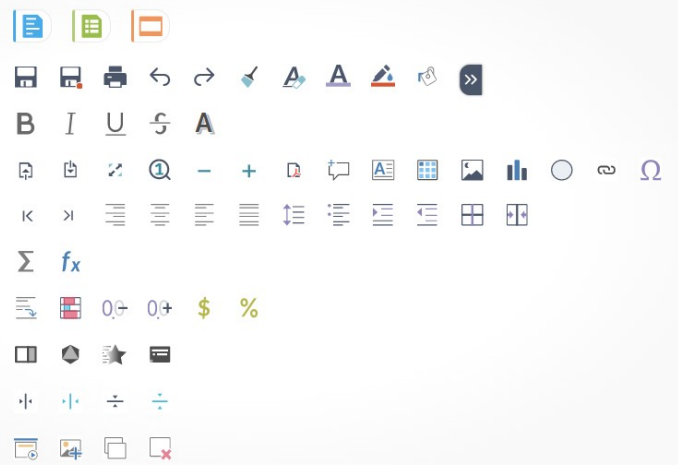
Sans-serif

Sans-serif fonts with a variety of weights for each purpose.

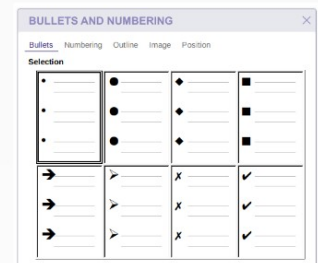
Aa Bb Ww a abcdefghijklm  
Aa Bb Ww a nopqrstuvwxyz

colla

## Iconography



## Dialog Windows





# Integration / theming / palette & settings ...

Collabora Online.odt - Files - Nextcloud - Mozilla Firefox

localhost/nextcloud/index.php/apps/files/?dir=/Documents&fileid... Vyhledat

File Edit View Insert Format Table Tools Help Last modification: 7 minutes ago Collabora Onlin ...

Save  
Save As...  
Share...  
Print...  
See revision history  
Download as >

## Collabora Online

### Welcome to the Collabora Online Demo

Thank you for your interest in the Collabora Online demo. Collabora Online is an open source on-premise office suite solution based on LibreOffice Online. It enables you to collaboratively edit, save and write text files, spreadsheets and presentations online. Collabora Online works on any modern browser and offers excellent interoperability for all popular office formats.

There are two versions of Collabora Online. The scale-able and supported enterprise-ready [Collabora Online](#) and [CODE](#) — the Collabora Online Developers Edition. While Collabora Online is aimed at professional business users, CODE is perfect for home users that want to start to run their online office suite in an own private environment or tech-enthusiast, that want to be among the first to see and test new features. Learn more about the differences [here](#).

One more thing before you start! This demo runs on our servers and grants you access to the latest snapshot from

**Style**  
Text Body

**Character**  
Vegur 10.5  
B I U S A A A  
A A X<sup>2</sup> X<sub>2</sub>

**Paragraph**

Spacing: Indent:  
0.00" 0.00"  
0.08" 0.00"



# Integration / theming / palette & settings ...


Collabora Online.odt - Files - Nextcloud - Mozilla Firefox

localhost/nextcloud/index.php/apps/files/?dir=/Documents&fileid... Vyhledat

File Edit View Insert Format Table Tools Help Last modification: 1 minutes ago Collabora Onlin ...

- Save
- Save As...
- Share...
- Print...
- See revision history
- Download as >

Matching highlight colors



## Collabora Online

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Ruler off by default

Sidebar was here ...

Lighter document background

# Products





# What can people buy:

## Collabora Office

- Long term (3-5 years) stable, supported versions of LibreOffice
- includes cumulative customer fixes – Redaction eg.
- Easier to deploy on Windows: MSP, ADMX lockdown templates
- **Unlimited** low-priority bug/ficket filing
- Inexpensive - for 1000 seats  
- **€0.96 / user / month**

## Custom Development

- **Service Level Agreement** on bug-fixes
  - Have an engineer starting ~now!

## All products:

- **Unlimited** low-priority bug/ticket filing

## Product Management & roadmap

- Sit down with us & prioritize ...



# Collabora Online – the features you know plus

**Service Level Agreement** – keeping your documents on-line

**Product Management Input** – tell us where we should go next!

**Custom Integration – APIs, and work ...**

- Partners commit to install & integrate with the code

**Community and Product**

- **CODE → Collabora Online Development Edition**
  - The latest developments a view of the future
  - Perfect for personal use, open, community development



# What customers & partners get ...

## Customer Portal access

- Access to Collabora Online binaries & update & snapshot channels.
- Full Technical Docs
  - Setup, deployment, manual
  - Support training details
- Support ticketing system - file & fix.

## Direct access to Engineers & Product Mgmt



**Collabora Productivity | Partner Portal**

OVERVIEW TICKETS PREFERENCES LOGOUT USER

**WELCOME PARTNER**

**Latest news**

- 2017/06/01 - Recordings LibreOffice talks from Collabora at FOSSDEM available
- 2017/06/01 - First African partner to offer Collabora Online
- 2017/06/01 - Hasington first ever event in the USA to show Collabora Online
- 2017/06/02 - Collabora Online in Ubuntu solution for enterprises
- 2017/06/08 - Collabora Online available in rural Australia
- All news [x]

**Upcoming events**

- aiiAix - March 20-26, 2017 - Madrid, Spain
- Cloud Expo Europe London - March 19-20, 2017 - London, United Kingdom
- WHD Global - March 22-31, 2017 - West Germany
- Hasington Global - April 3-6, 2017 - Los Angeles, USA
- Overheid360 - May 17, 2017 - Utrecht, Netherlands
- All events [x]

**Your Customers**

Name	Number of seats	L3 high priority	L3 medium priority	Subscription started	Switch to this customer	Edit this customer	Add a user to this customer company
Customer 1	15000	0	0	2015-01-01	Switch to customer	Edit customer	Add customer user
Customer 2	10000	0	0	2016-01-01	Switch to customer	Edit customer	Add customer user

[x] Add customer company

**Collabora Online**

Linux update repositories (64-bit)

Your secret URL part is: //

We at Collabora are happy to help you through installation and configuration issues. Before asking a technical question by email (link in the "quick links" tab), we recommend to check out the Collabora Online Installation Guide that you can find in the Technical Documentation tab below. Your feedback is welcome. We try to keep documentation up-to-date and accurate.

Technical documentation | Marketing materials | Sales materials | Slide decks | Release news | Quick links

File type	Title	Size	Date
PDF	Collabora Online Technical Documentation.pdf	537K	24/02/2017
PDF	Collabora Online Installation Guide.pdf	140KB	12/07/2016
PDF	Integration of Collabora Online Using the WOPF Protocol.pdf	149KB	11/08/2016

**Collabora Office**

Linux update repositories

Your secret URL part is: //

For details, please read the Installation Guide, which you can find in the Technical Documentation tab below.

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File type	Title	Size	Date
PDF	Collabora Office FAQ.pdf	23KB	02/11/2015
PDF	Collabora Office - Choosing Support URL?800.jpg	1.1MB	26/3/2015
PDF	Collabora Office - Choosing Support.pdf	469KB	05/01/2016
PDF	Collabora Office ad Product flyer.pdf	1.7MB	07/06/2016
PDF	Collabora Office Datasheet.pdf	1.8MB	07/06/2016

**Your Downloads**

Product	Version	Platform	Release Date	Size	Package format
Collabora Office Pack	3.1.2	Windows	2016-10-13	325MB	MSI
Collabora Office	3.1.2	Mac OS X	2016-10-13	264MB	DMG
Collabora Office	3.1.2	Linux 64-bit	2016-10-13	227MB	DEB
Collabora Office	3.1.2	Linux 64-bit	2016-10-13	227MB	RPM

(some of) the awesome  
team serving you.



*Sorry we can't be with you this year*



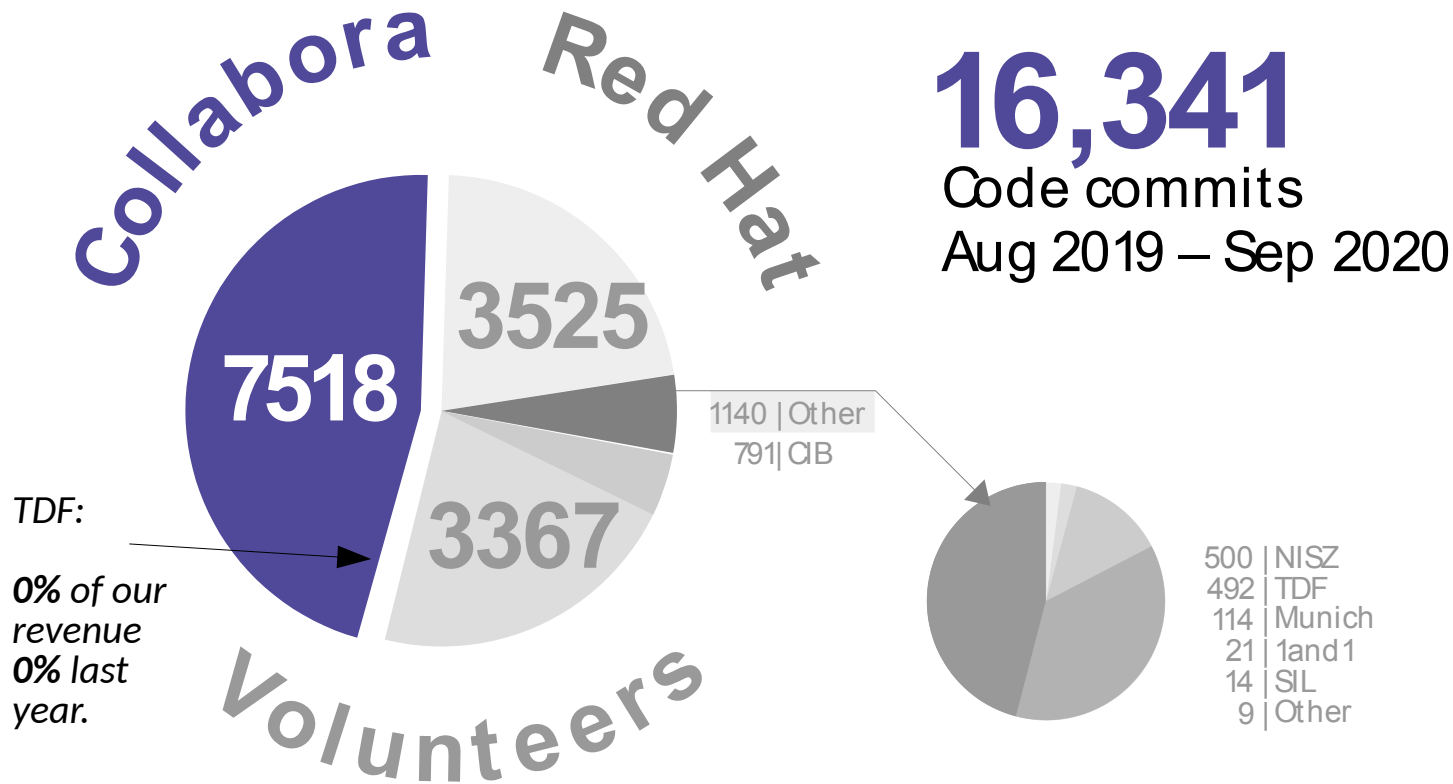


# Seven years of Collabora Productivity

Open Source,  
Open First



# Commits by Affiliation - last year



*We need to improve our ecosystem diversity-wise,*

*Lets ensure that people can build businesses around it*

*Also celebrate, encourage & credit all contributors*



# Other ways we serve & contribute ...

## Governance

- 2x Board/deputy members
- 1 Membership Committee
- Serve on the ESC

## More work - funding time

- Mentoring / GSOC
  - 5/9 mentors this year, 4/6 projects
  - Daily up-stream mentoring / review.
- Patch review of gerrit commits
- Hackfest / evangelism
- conference content: 2/3 of dev. talks.

## Funding with cash

- Conference Sponsorship
- Marketing publication sponsorship
- Cash from Apple App-store sales - 15%

## Paying for things TDF cannot

- Buying community meals at conferences
- Thank-you presents etc.





# Thanks to our team(s) who have worked so hard:

## Collabora Code Committers - last 12 months (33)

Noel Grandin, Tamás Zolnai, **Miklos Vajna**, Szymon Kłos, Luboš Luňák, Tomaz Vajngerl, Tor Lillqvist, Mike Kaganski, Michael Meeks, **Jan Holesovsky**, Pedro Pinto Silva, Ashod Nakashian, Henry Castro, **Andras Timar**, Dennis Francis, Pranam Lashkari, Justin Luth, Muhammet Kara, Marco Cecchetti, Mert Tumer, Gokay Satir, Aron Budea, Gülşah Köse, Tamas Bunth, Corentin Noël, Grzegorz Araminowicz, Yunusemre Şentürk, Armin Le Grand, Ezinne Nnamani, Thais Vieira, Iván Sánchez Ortega, Eloy Crespo, Ivan Stefanenko

## Management / Marketing / Support

- Eloy Crespo, Andrew Lee → **Sales**
- Cor Nouws, Marc Rodriguez, William Gathoye → **Marketing**
- Tracie Fabb, Julie Wilder, Hannah/Jassie/Jessie ... → **Biz support**

## In bold (left)

- managed to manage a team as well (!)

**Please do encourage them.**



# Conclusions

- Our FOSS mission applied:
  - working to make LibreOffice rock.
  - Working to liberate people's documents
- All paid for by our **Customers & Partners**
  - can't do anything without them,
- All executed by our staff
- All executed alongside the **community**
  - Getting it done & making it fun.
- **Branding** is one of our only assets:
  - We need credit & leads to fund the fun.
- **A pleasure** to be able to sponsor the openSUSE / LibreOffice conference.

*Oh, that my words were recorded, that they were written on a scroll, that they were inscribed with an iron tool on lead, or engraved in rock for ever! I know that my Redeemer lives, and that in the end he will stand upon the earth. And though this body has been destroyed yet in my flesh I will see God, I myself will see him, with my own eyes - I and not another. How my heart yearns within me. - Job 19: 23-27*