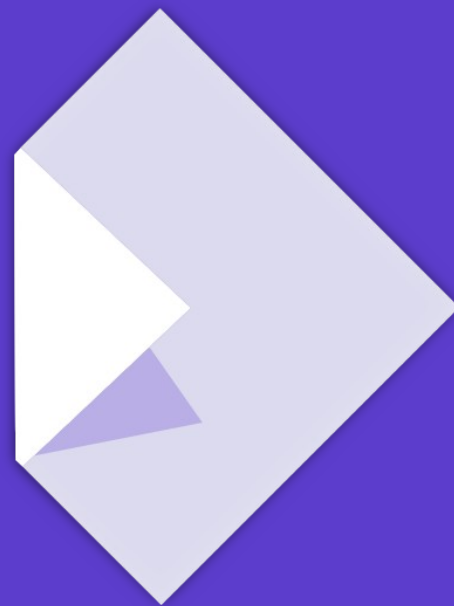


Collabora Online & Nextcloud

Michael Meeks <michael.meeks@collabora.com>

General Manager at Collabora Productivity

@michael_meeks, mmeeks #libreoffice-dev irc.freenode.net



Collabora
Productivity

*"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
Productivity**
Free your business

The driving force behind putting
#LibreOffice in the #Cloud.

**Mission: Make Open
Source Rock**



Collabora Parent: eg. Monado / OpenXR – play later ...

Monado

- Founders & driving force behind FLOSS VR / XR
 - When the world goes this way
 - Vital to have an open-source run-time, stack, drivers & community.



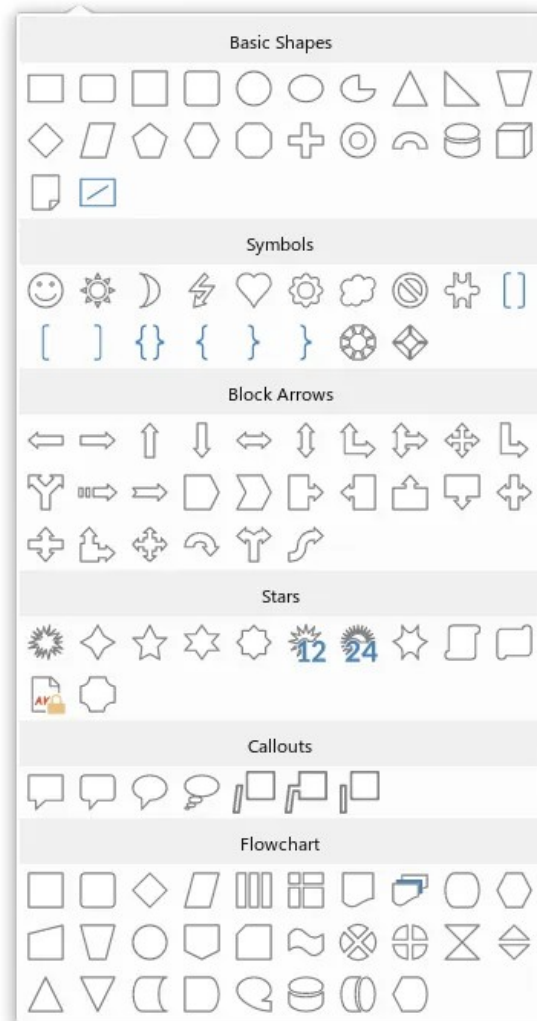
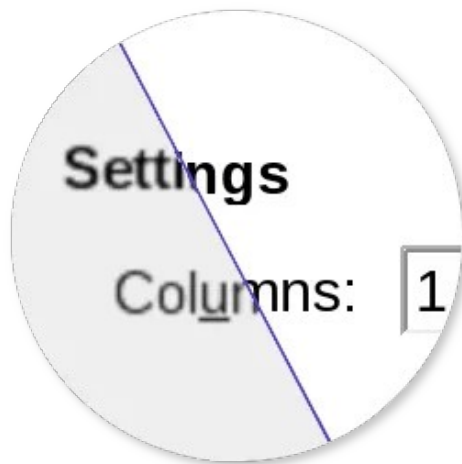
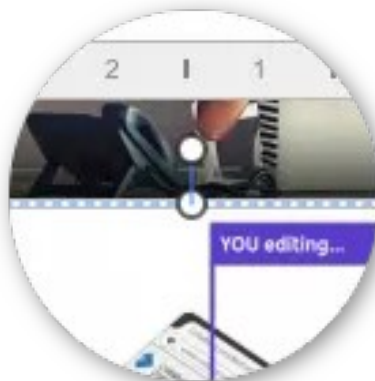
Fun & Games for hackers on Linux

- Get involved
 - <https://gitlab.freedesktop.org/monado>
 - <https://monado.freedesktop.org/>



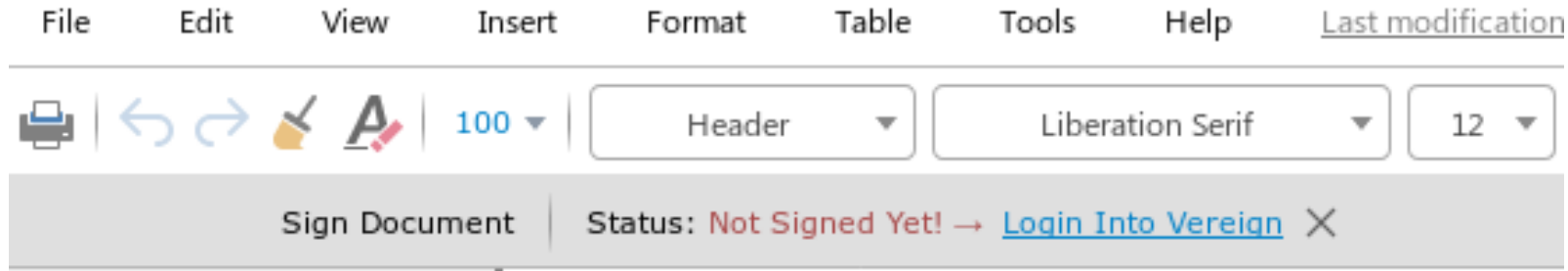
Recent Improvements

Significant Mobile & UX improvements



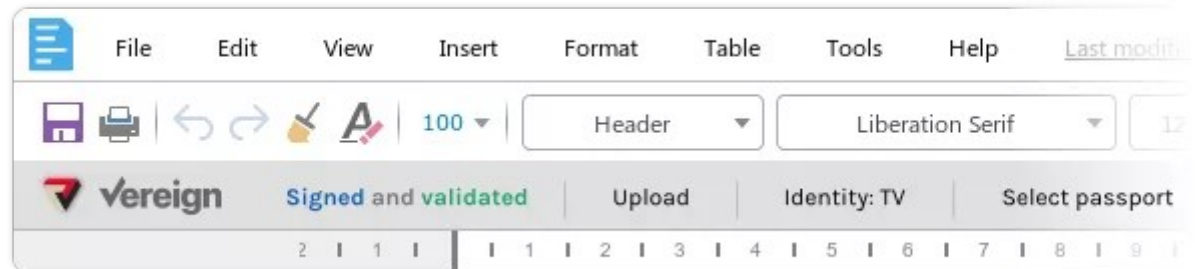


Blockchain / Vereign Integration



In co-operation with Vereign a Swiss open source company building a blockchain based self-sovereign identity and personal data store.

Thanks to *Tomaž Vajngerl*



Collabora Office Mobile - Q4



Native iOS version for tablets - with Adfinis

Co-Developed with Adfinis

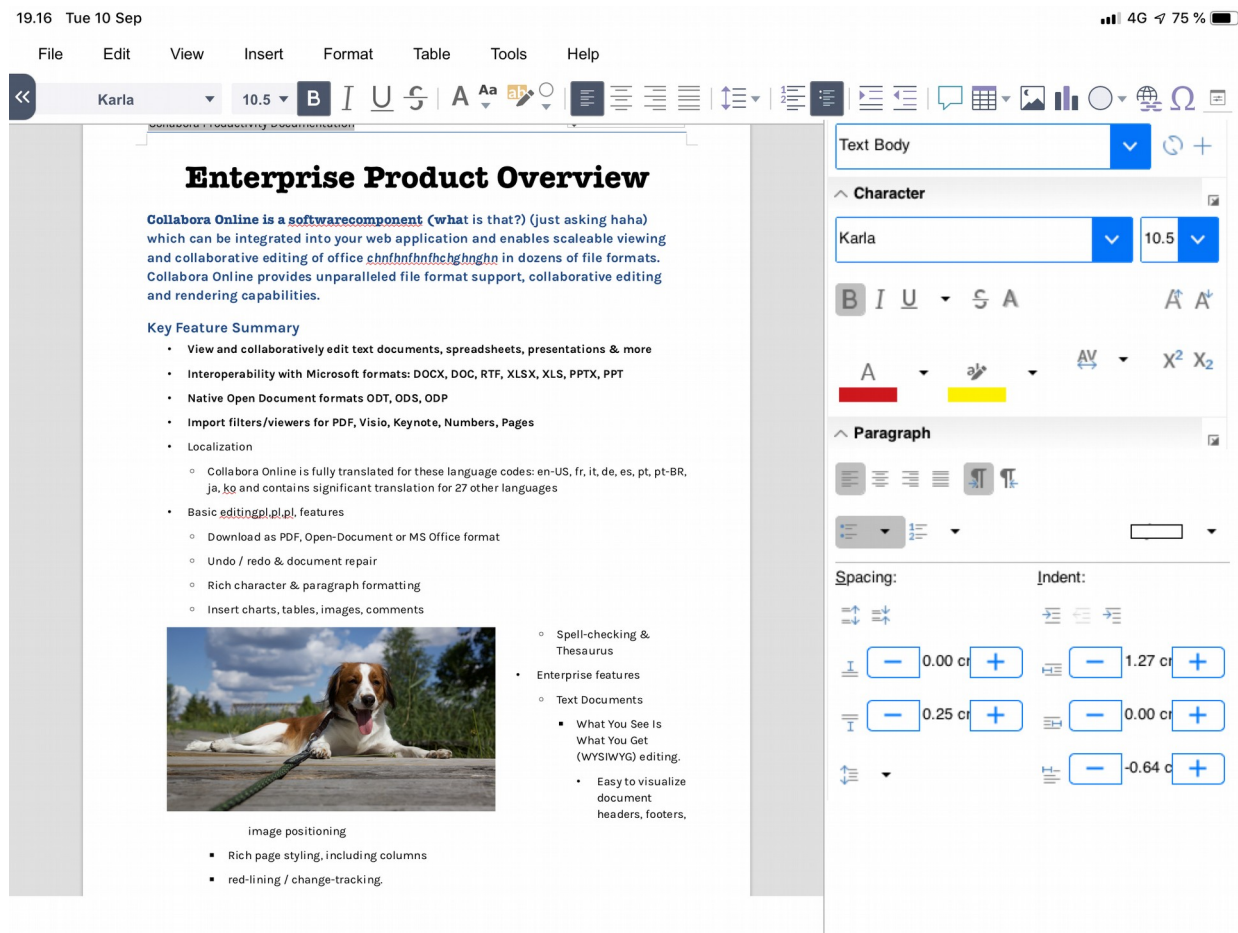
- A great Collabora & Nextcloud partner !

So far in TestFlight

Thanks to:

Tor Lillqvist

Tomaž Vajngerl



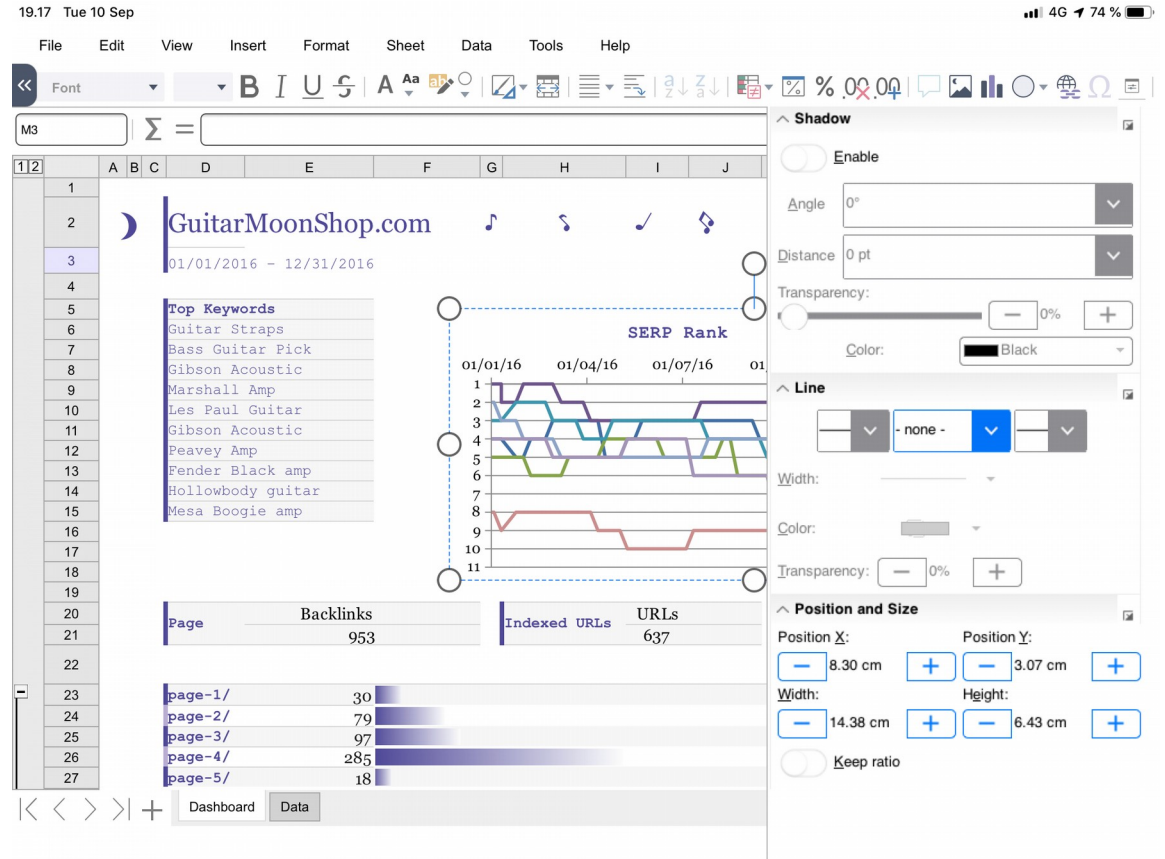
Native iOS version for tablets ... with Adfinis

Co-Developed with Adfinis

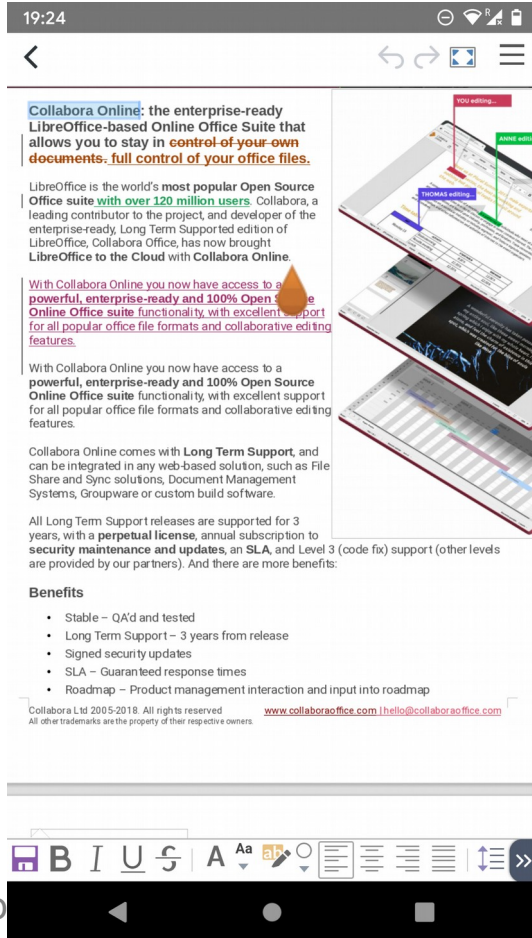
- A great Collabora & Nextcloud partner

Quite a story:

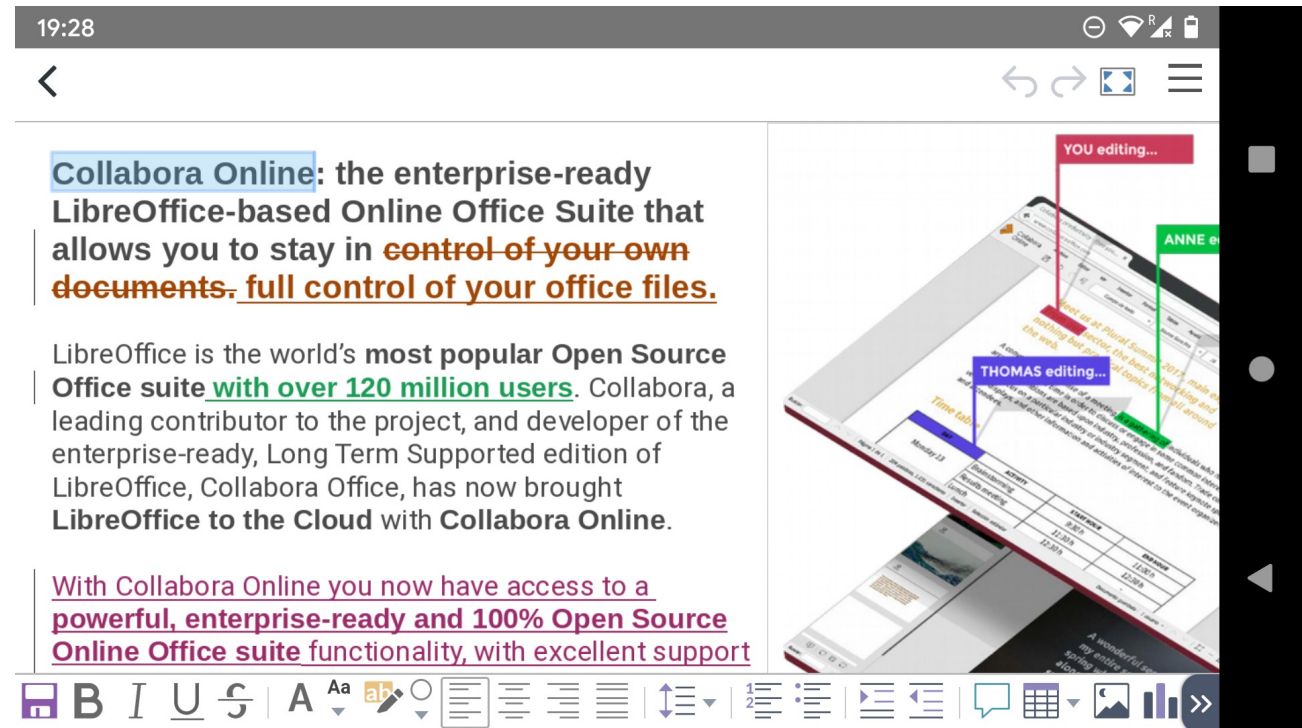
Buy Collabora Online,
get a free iPad version
thrown in free !



Online based Android app ...



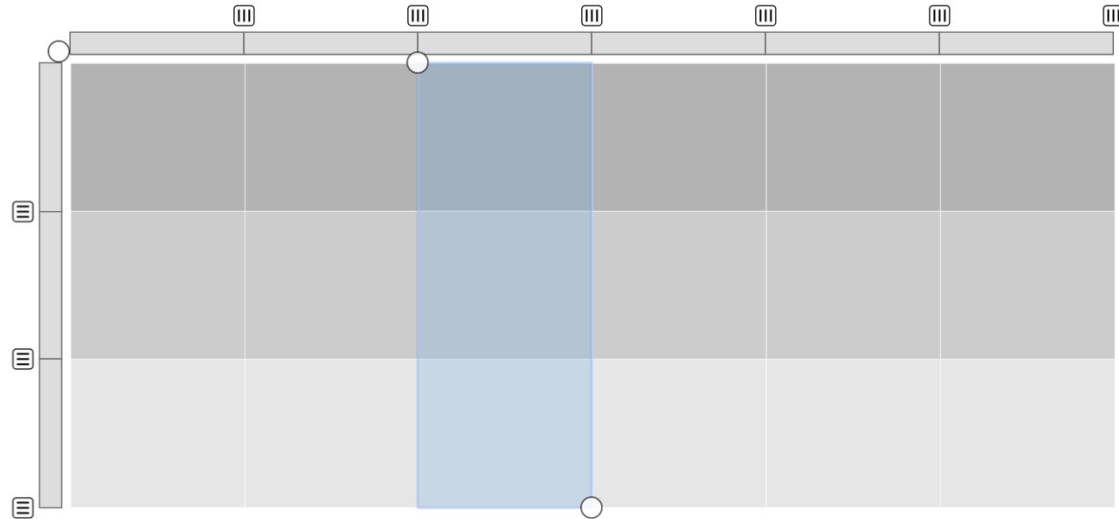
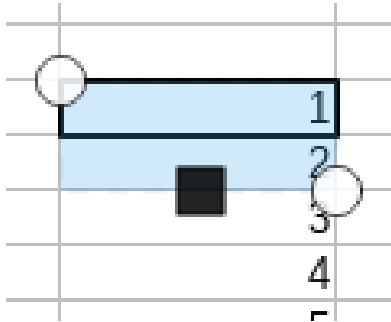
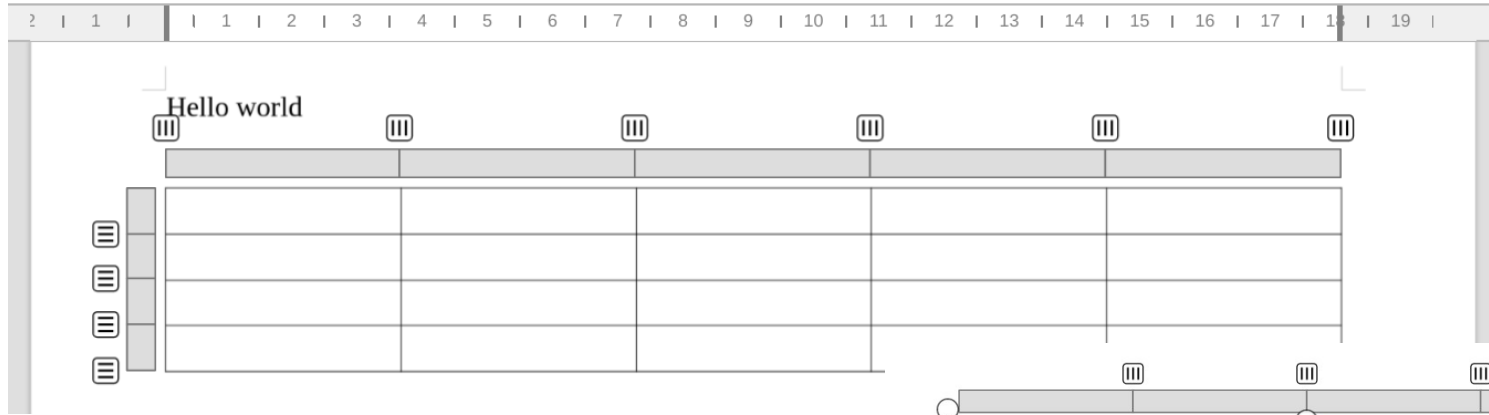
Thanks to *Tor Lillqvist, Jan Holesovsky, Kaishu Sahu (GSOC), Florin Ciornei, Gülşah Köse*



Implemented for
Collabora Online 4.2
(due Q4)



Mobile wins: eg. touch resizing handles





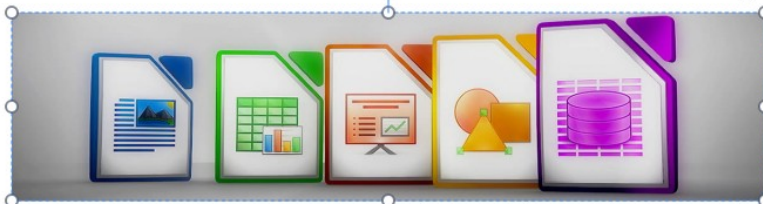
Sidebar in Writer, Calc and Impress

File Edit View Insert Format Table Tools Help Last modification: Sep 6, 2019, 12:45 PM textbox.odt

Graphics Font

We need to support images too

So let's have an image:



so that we can select it, and do operations on that.

Oh, and shapes too:

let's have an image:

so that we can select it, and do operations on that.

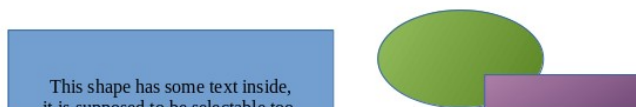
so that we can select it, and do operations on that.

so that we can select it, and do operations on that.

so that we can select it, and do operations on that.

so that we can select it, and do operations on that.

This shape has some text inside, it is supposed to be selectable too.



Area

Image

Brightness: 0% Contrast: 0%

Color mode: Default Transparency: 0%

0% 0%

0% 1.00

Wrap

Enable Contour Edit Contour

Spacing: None

Position and Size

Width: 7.00 " Height: 32.57 "

Keep ratio

Rotation: 0.00°

Ellip:

1 user

Page 3 of 5 722 words, 4,288 characters Insert Standard selection

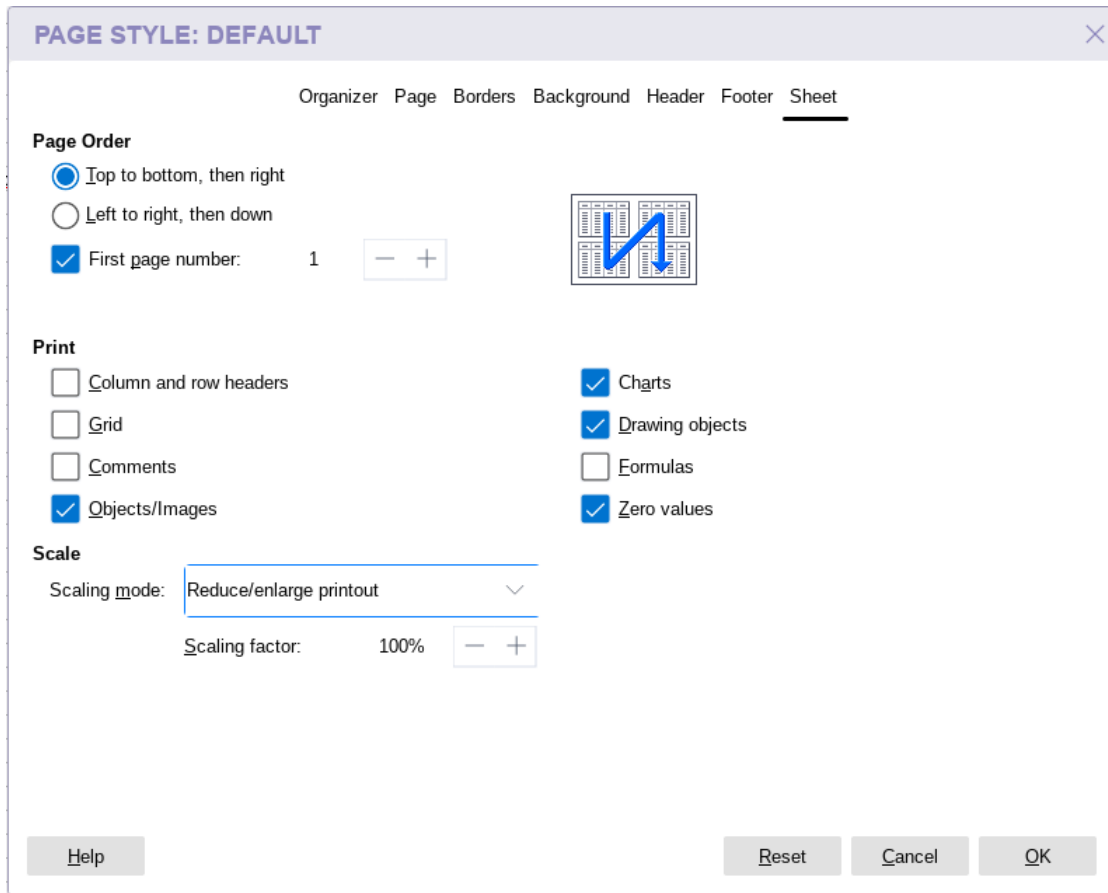


Online / Widget theming implementation ...

Custom look & feel

- Custom SVG branding of individual widgets
- Building on native widget framework.
- ~easy to re-use for other platforms (volunteer?)

Thanks to: *Tomaz Vajngel*





The pieces you can't see

Integration improvements

- Masses of new extensible API to embed Online into your application

Performance

- Loading time, dialog rendering time
- Improved PDF rendering
- Unipoll – code simplification.
- Profiling infrastructure

UX / infra changes

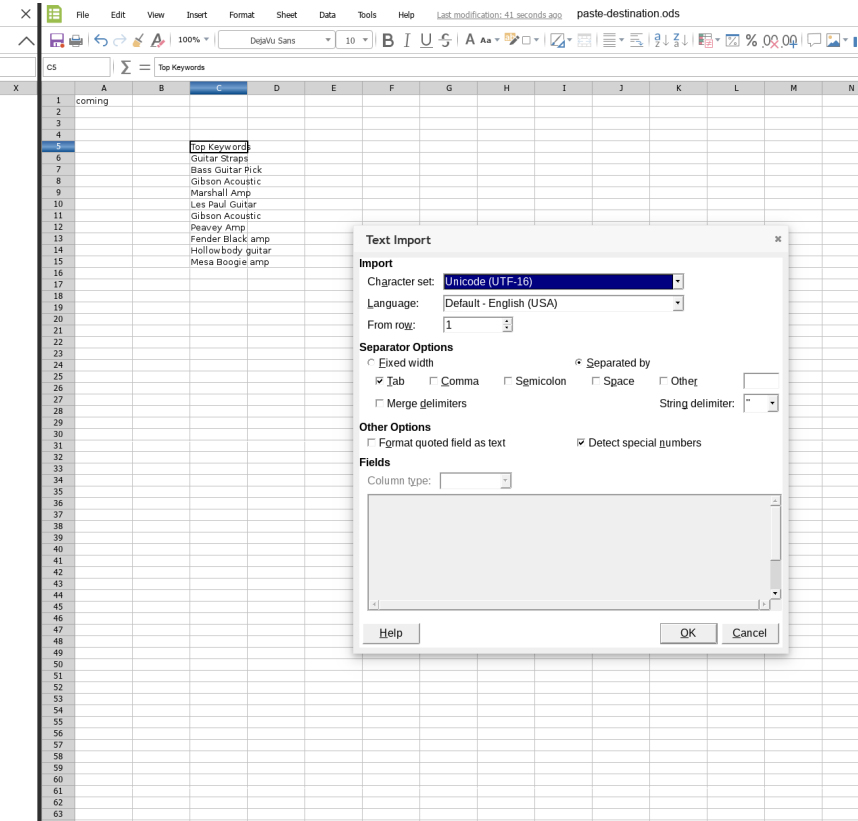
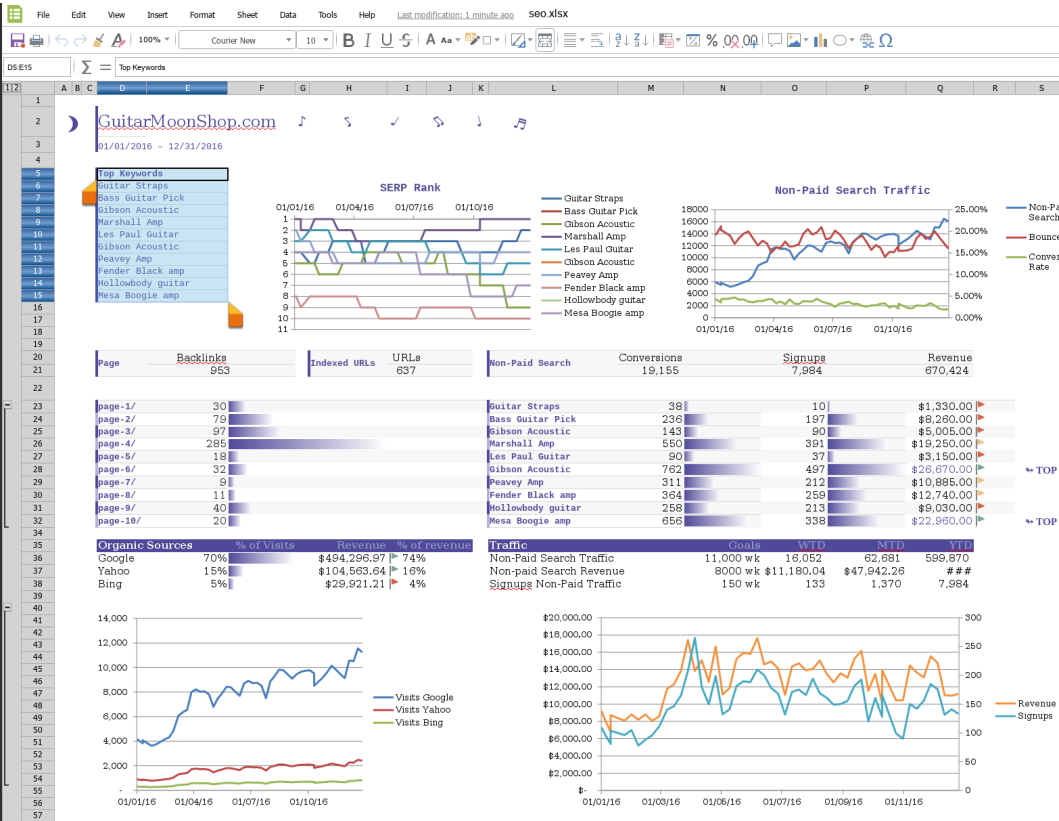
- Many new dialogs converted to async
- Multi-window focus re-work.

Security & Anonymization

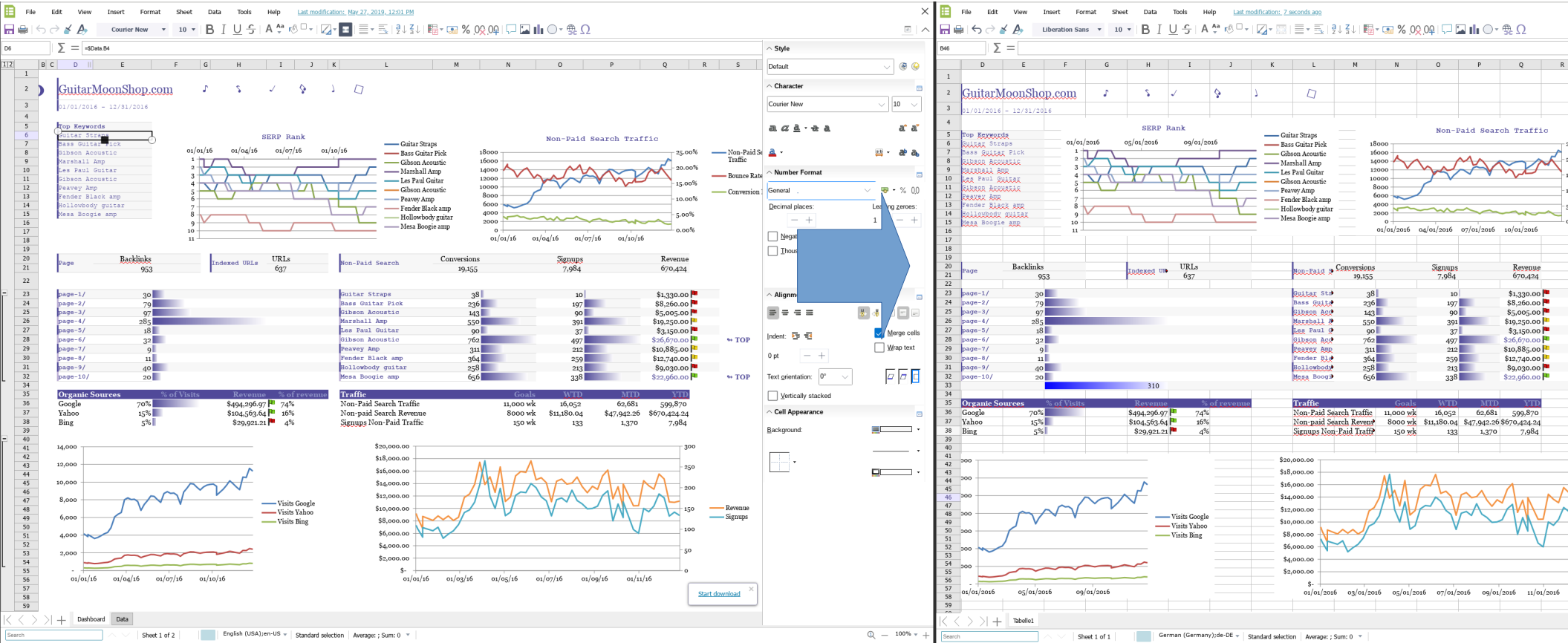
- Anonymized logging
- 3rd party penetration testing

And much much more ...

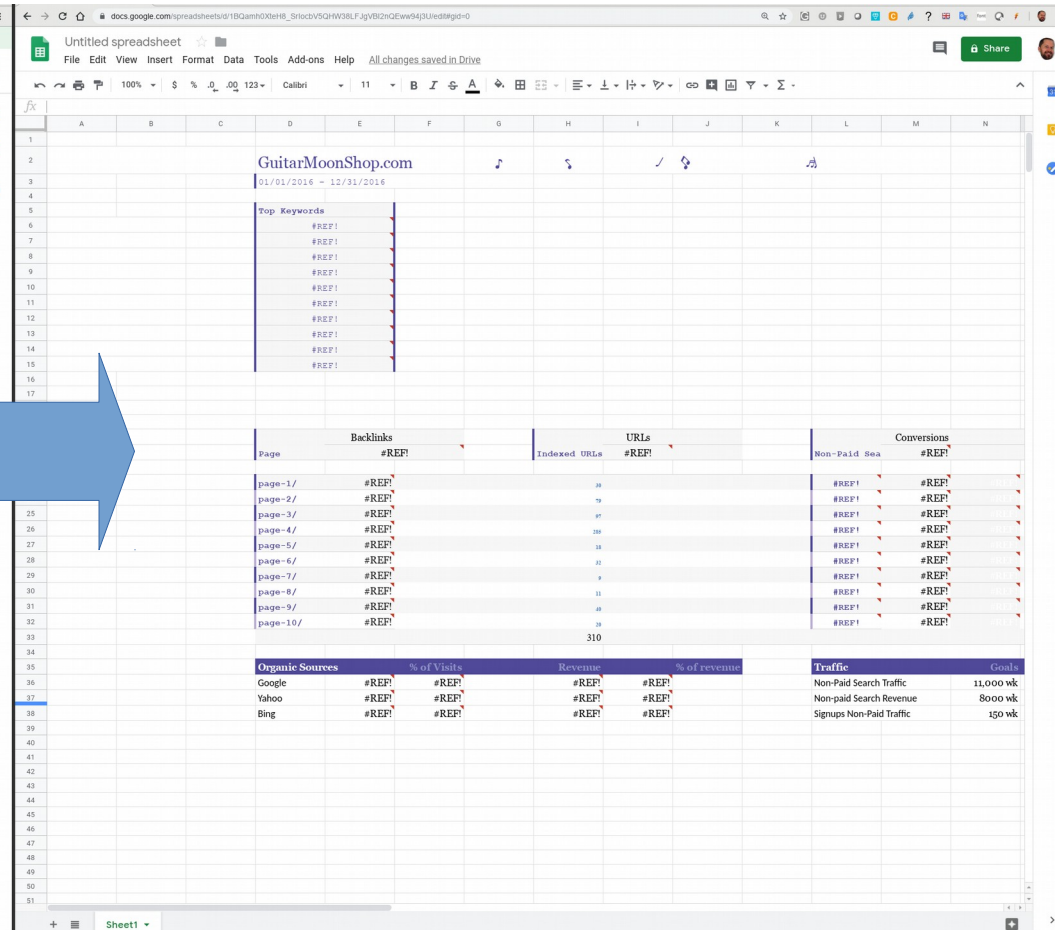
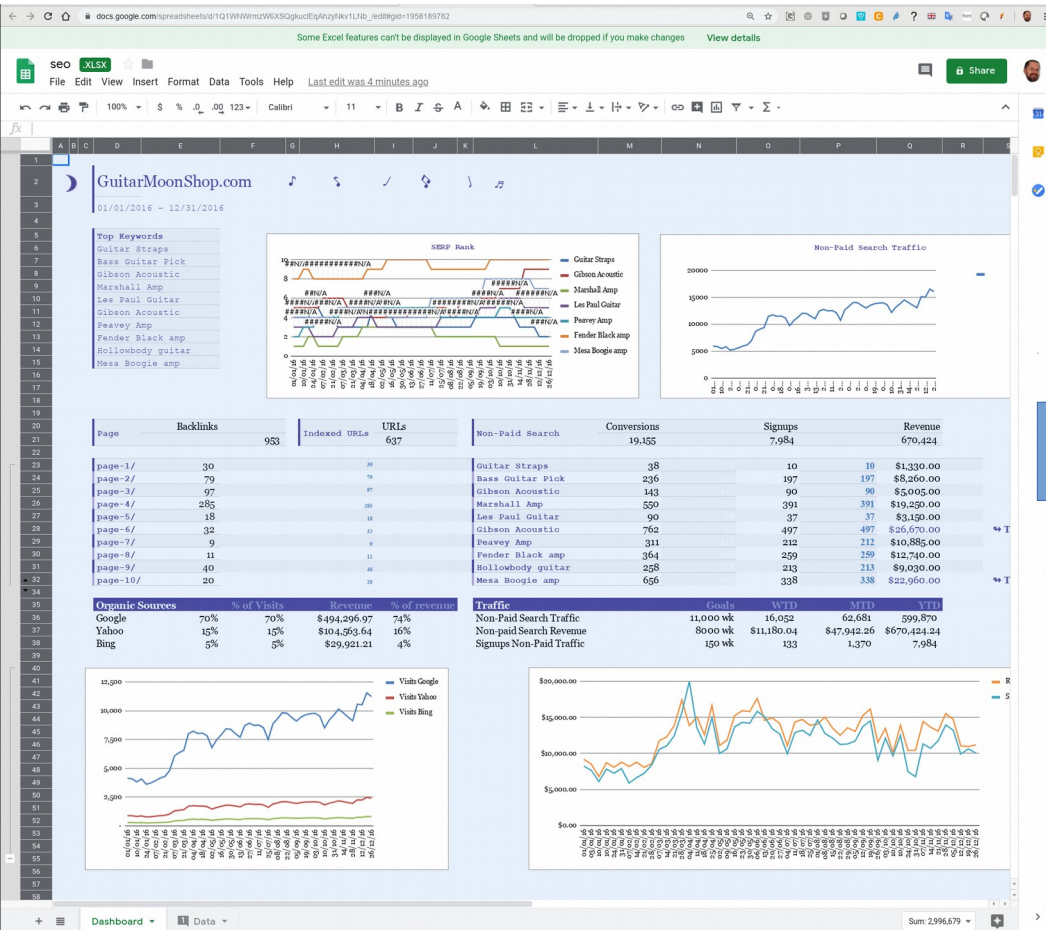
Online – old-style copy/paste: text → CSV import dlg.

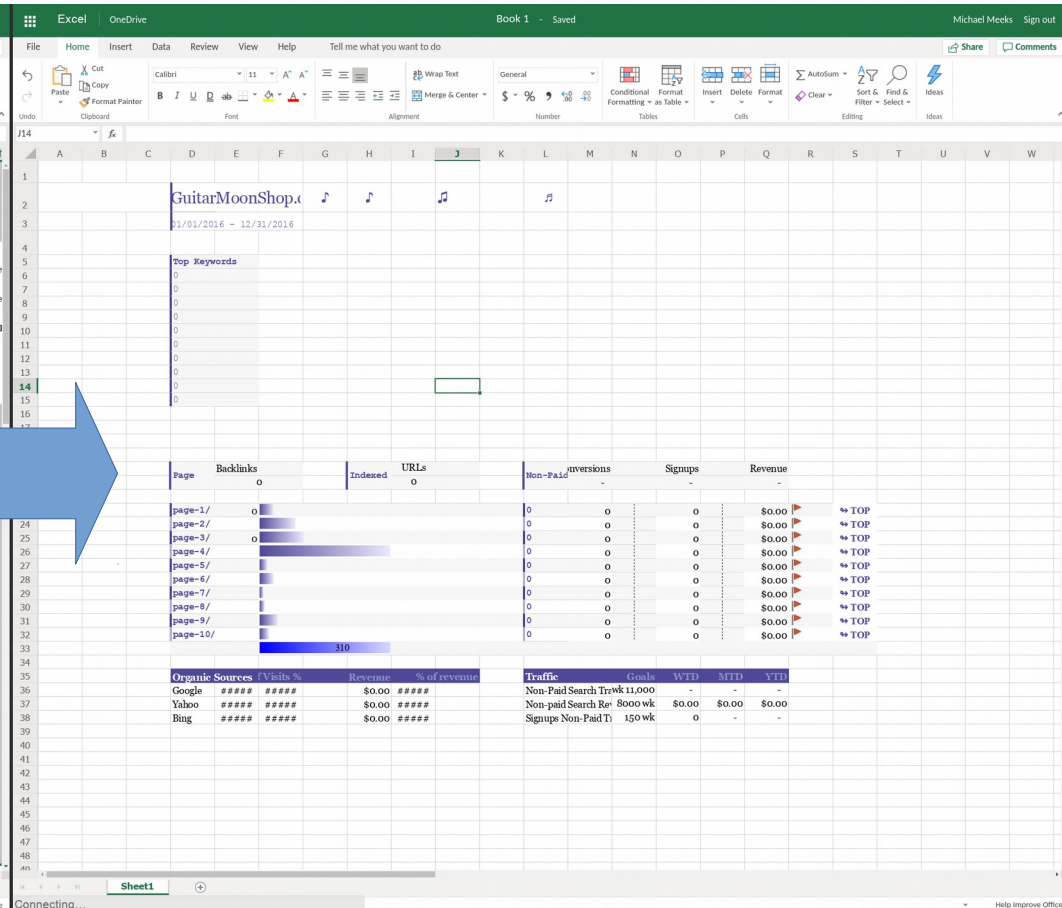
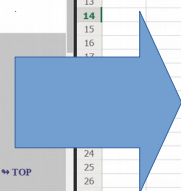


Afterwards (plus explicit chart copy)



Just the basics ? Gdocs / Chrome comparison





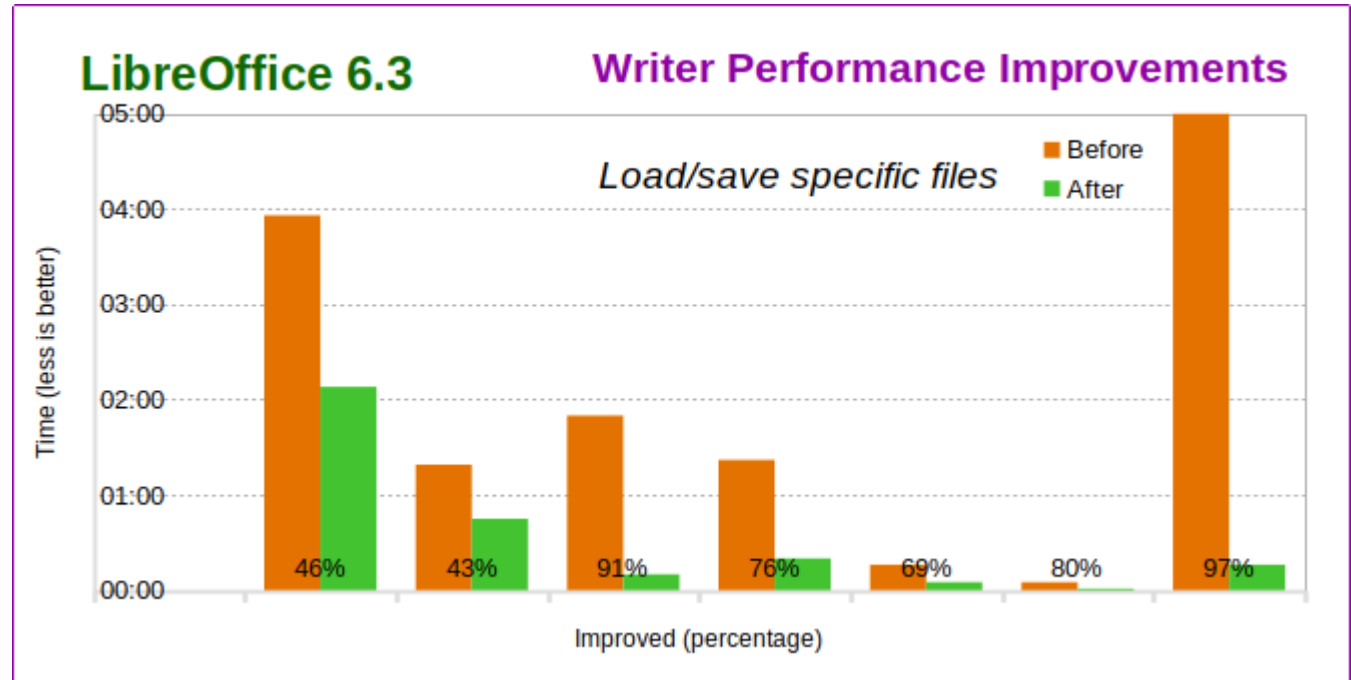


Significant performance work

Removing sillies, Threading ZIP compression

Thanks to:

- Noel Grandin
- Lubos Lunak
- Mike Kaganski



Interop: the best all-round implementation and constantly improving ...



A random feature: eg. bottom to top / left to right layout ...

Collabora Online is a powerful LibreOffice-based online office that supports all major document, spreadsheet and presentation file formats, which you can integrate in your own infrastructure. Key features are collaborative editing and excellent office file format support.

Collabora Office is the enterprise office suite of LibreOffice, the world's most widely used Open Source office suite. We provide installation and administration utilities together with long term maintenance and contracted support to deliver successful deployments with expertise.

**Integration with Nextcloud
wins – in last year**



Lots of lovely new things ...

RichDocuments goodness

- Federation & Global Scale [!]
- Secure View + Watermarking UI
- Template selector
- Integrated preview support
- File Renaming support
- Improved UI: Avatars outside
- Version integration with NC sidebar
- Insert image from Nextcloud
- Improved admin / options
- Performance improvements

Mobile / iOS & Android – direct editing

- Embedding Collabora *Online*
- Native print & Save As support
- Rich copy/paste integration
- Hide fullscreen, improved idle

Thanks to

- Julius Härtl, Roeland Jago Douma, Marino Faggiana, Tobias Kaminsky



Easy sharing – close at hand ...

The screenshot displays the Collabora Online web interface within a Google Chrome browser. The browser's address bar shows the URL `share.collabora.com/index.php/apps/files/?dir=/ADemo&fileid=...`. The interface features a purple header bar with navigation icons and a menu bar with options like File, Edit, View, Insert, Format, Table, Tools, and Help. Below the menu is a rich text editor toolbar with icons for undo, redo, bold, italic, underline, and text color, along with font settings (Montserrat, size 22). The main content area shows a document titled 'Collabora Online v 4.0' with a background image of a woman working on a laptop. The document text describes Collabora Online 4.0 as an enterprise-ready LibreOffice-based Online Office Suite. A sharing sidebar is open on the right, showing the document name 'Collabora Online.docx', its size (627 KB), and the time it was shared (6 months ago). The sidebar includes a search bar and a list of sharing options: 'Share link', 'Add to a project', and 'Connect items to a project to make them easier to find'. A light blue circle highlights the sharing options section.

Collabora Online.docx - Files - Nextcloud - Google Chrome (on dell.home)

Collabora Online v 4.0

Collabora Productivity

Collabora Online v 4.0: 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.**

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.

YOU editing...

ANNE editing...

THOMAS editing...

Collabora Online.docx

★ 627 KB, 6 months ago Tags

C... Acti... Comm... Shar... Versi...

Name, federated cloud ID or email address...

Share link

Add to a project

Connect items to a project to make them easier to find

Search: Page 1 of 2 281 words, 1,915 characters Standard selection English (USA)



Collabora Online for thumbnailing

Files - Nextcloud - Google Chrome (on dell.home)

share.collabora.com/index.php/apps/files/?dir=/ADemo&fileid=68859

Files - Nextcloud

ADemo

CharTest.ods	11 KB	3 months ago
Collabora Online.docx	627 KB	6 months ago
Collabora Online.odt	653 KB	3 months ago
collabora-online.docx	411 KB	7 months ago
cs3-2019-with-animation.odp	8.5 MB	4 months ago
demo-embedded-content-showcase.docx	36 KB	9 months ago
demo-timeline.xlsx	11 KB	3 months ago
designer-cv.odt	1.1 MB	6 months ago
designer-cv-lool.odt	1.1 MB	9 months ago
embedding.odt	15 KB	a year ago

41 files 25.6 MB

Collabora Online .docx

627 KB, 6 months ago

Share link

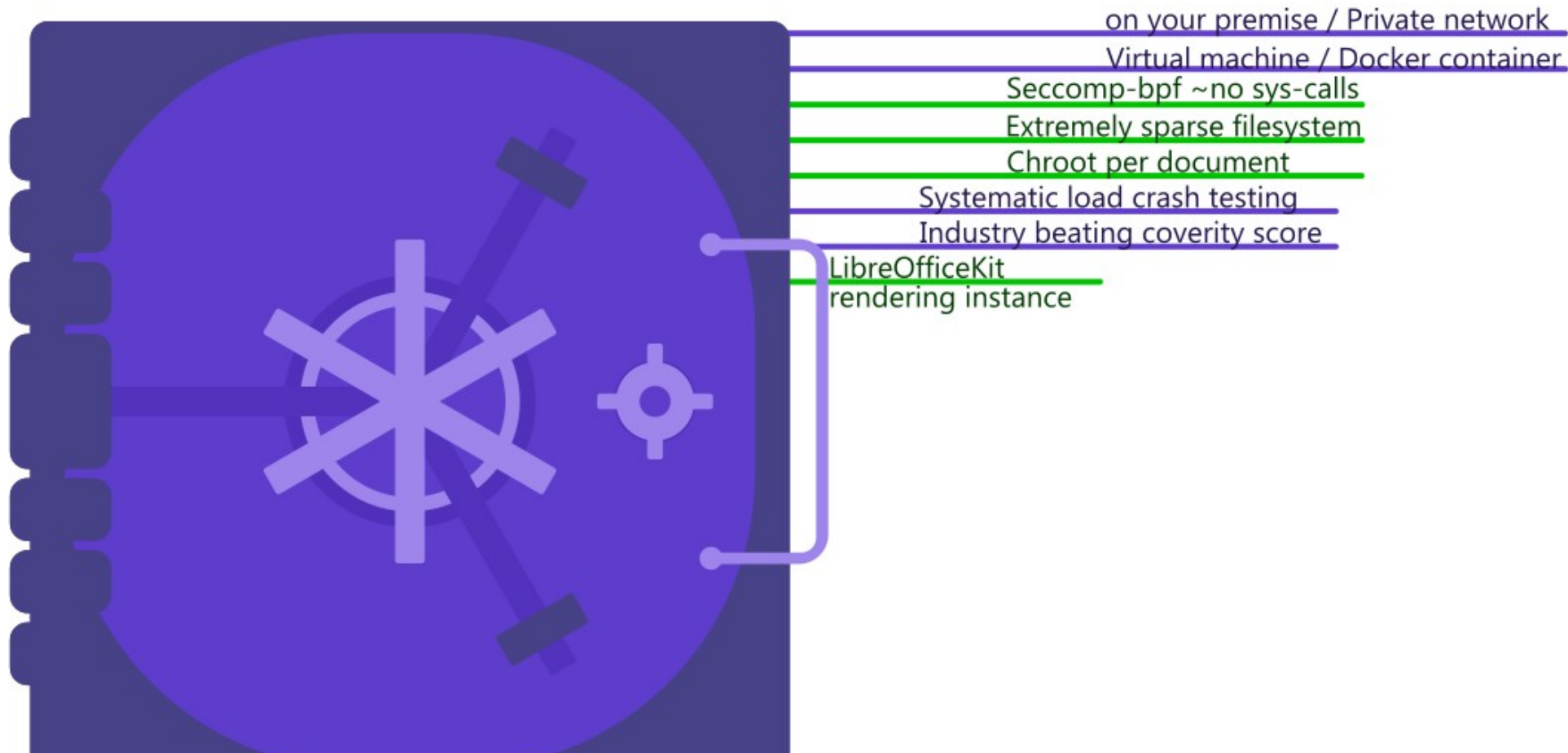
Add to a project

Connect items to easier to find

- ☒ Allow editing
- ☒ Hide download
- ☐ Password protect
- ☐ Set expiration date
- ☐ Note to recipient



Don't let your document data out of your site [sic]





Secure View: Download + watermarks

The image displays the Nextcloud user interface with the 'Secure view settings' panel open on the left. The settings include options for enabling watermarking, configuring watermark text with placeholders like {userId} and {date}, and selecting where to show watermarks (tagged files, users of groups, all shares, read-only shares, link shares, and link shares with specific system tags). The main area shows three overlapping document thumbnails, each with a diagonal watermark reading 'Confidential: Accessed by [user] at [date]'. The documents are 'embedded-content-showcase.docx', 'Collabora Office Embedded editable chart', and 'Nextcloud_Server_Administration_Manual.pdf'. The watermark text is repeated across the documents. The bottom of the image features the text 'collaboraonline.com' and 'The Nextcloud developers'.

Secure view settings

Secure view enables you to secure documents by embedding a watermark

- ☒ Enable watermarking
- Watermark text: Confidential: Accessed by {userId} at {date} →
- Supported placeholders: {userId}, {date}
- ☒ Show watermark on tagged files
- ☒ Show watermark for users of groups
- ☐ Show watermark for all shares
- ☐ Show watermark for read only shares
- Link shares
 - ☐ Show watermark for all link shares
 - ☒ Show watermark for download hidden shares
 - ☐ Show watermark for read only link shares
 - ☒ Show watermark on link shares with specific system tags

collaboraonline.com

Watermarked Editing

Watermarked PDFs (if allowed)

The Nextcloud developers



Directly insert images easily

Collabora Online.docx - Files - Nextcloud - Google Chrome (on dell.home)

Collabora Online

share.collabora.com/index.php/apps/files/?dir=/ADemo&fileid=...

File Edit View Insert

and collaborative editing

Collabora Online comes with **Support**, and can be integrated with various solutions, Document Management Systems, Groupware or customer portals.

All Long Term Support is included in the **license**, annual subscription, SLA, and Level 3 (code changes) support. And there are more benefits:

- Stable - QA'd and tested
- Long Term Support

Collabora Ltd 2005-2018. All rights reserved.
hello@collaboraoffice.com
All other trademarks are the property of their respective owners.

Insert from Nextcloud

Photos

a.jpeg 948 KB

a.png 11 KB

a... sident.png 392 KB

captive.jpeg 29 KB

Ch... south.jpg 2.4 MB

gre...atch.jpeg 652 KB

Paris.jpg 223 KB

San ... isco.jpg 211 KB

Choose

Collabora Online.docx

627 KB, 6 months ago Tags

Acti... Comm... Shar... Versi...

Share link

Add to a project

Connect items to a project to make them easier to find

Search: Page 1 of 2 281 words, 1,915 characters Standard selection English (USA)

Getting it ...



Collabora Online & CODE...

Commercial bits are the hardest ... Thanks !

Service Level Agreement – keeping your documents on-line

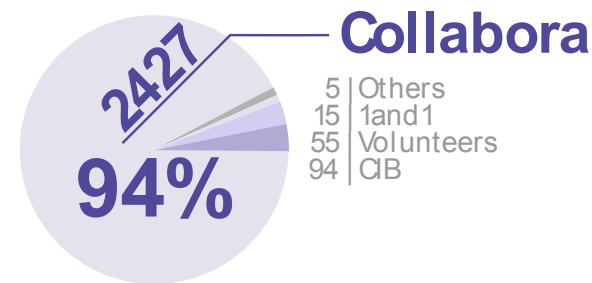
Custom Integration – APIs, and work ...

Branding & Scarcity

- Brand – one of Collabora's few concrete assets
 - All our code is open
- Tastefully stating the truth: helps fund development & grow all commercial versions.

Online commits

By affiliation (last 2 years)



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](#)



Conclusions

- Our mission applied
- Great improvements in a year; more to come ...
- All paid for by our **Customers & Partners**
 - can't do anything without them
- All executed alongside the **community**
 - Without you, it couldn't be done & it wouldn't be fun.
- **Branding** one of our only assets:
 - please credit us when you talk Online
- **Checkout** [CODE](#)
- **Hiring** – Marketing, Sales, JS ?!

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