Collabora Online

Better, Digitally Sovereign
Document Collaboration

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CS3

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 Online

A real alternative office suite

- Smoothly transition to something better
- Collaborate on documents in the browser

Excellent interoperability with Microsoft formats

Easy, on-premise deployment & scaling

Document + Spreadsheet + Slides + Drawing

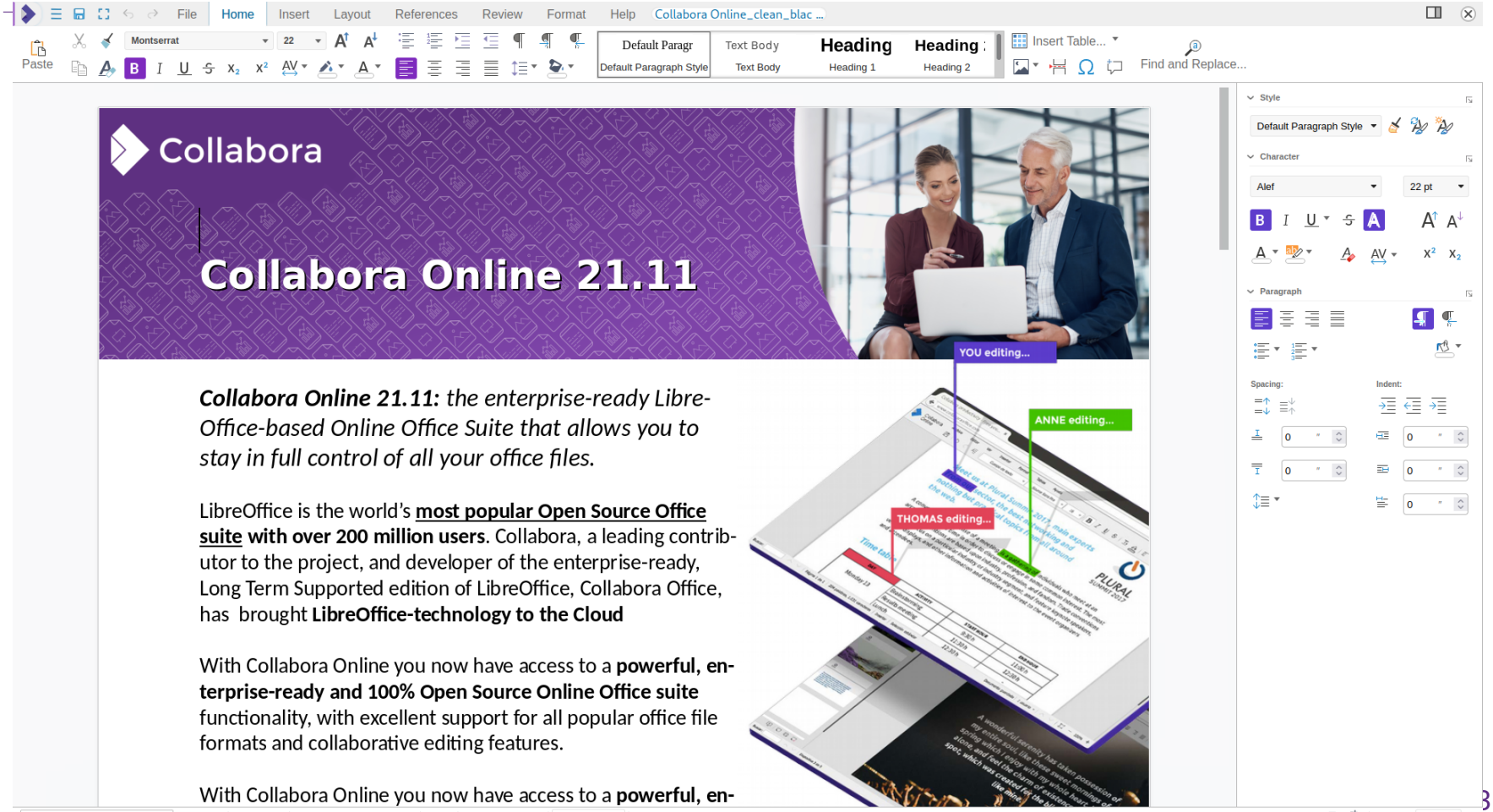
On-premise integration

Regain control of your data

Over 80m
pulls from
CODE Collabora Online
Development Edition
docker image

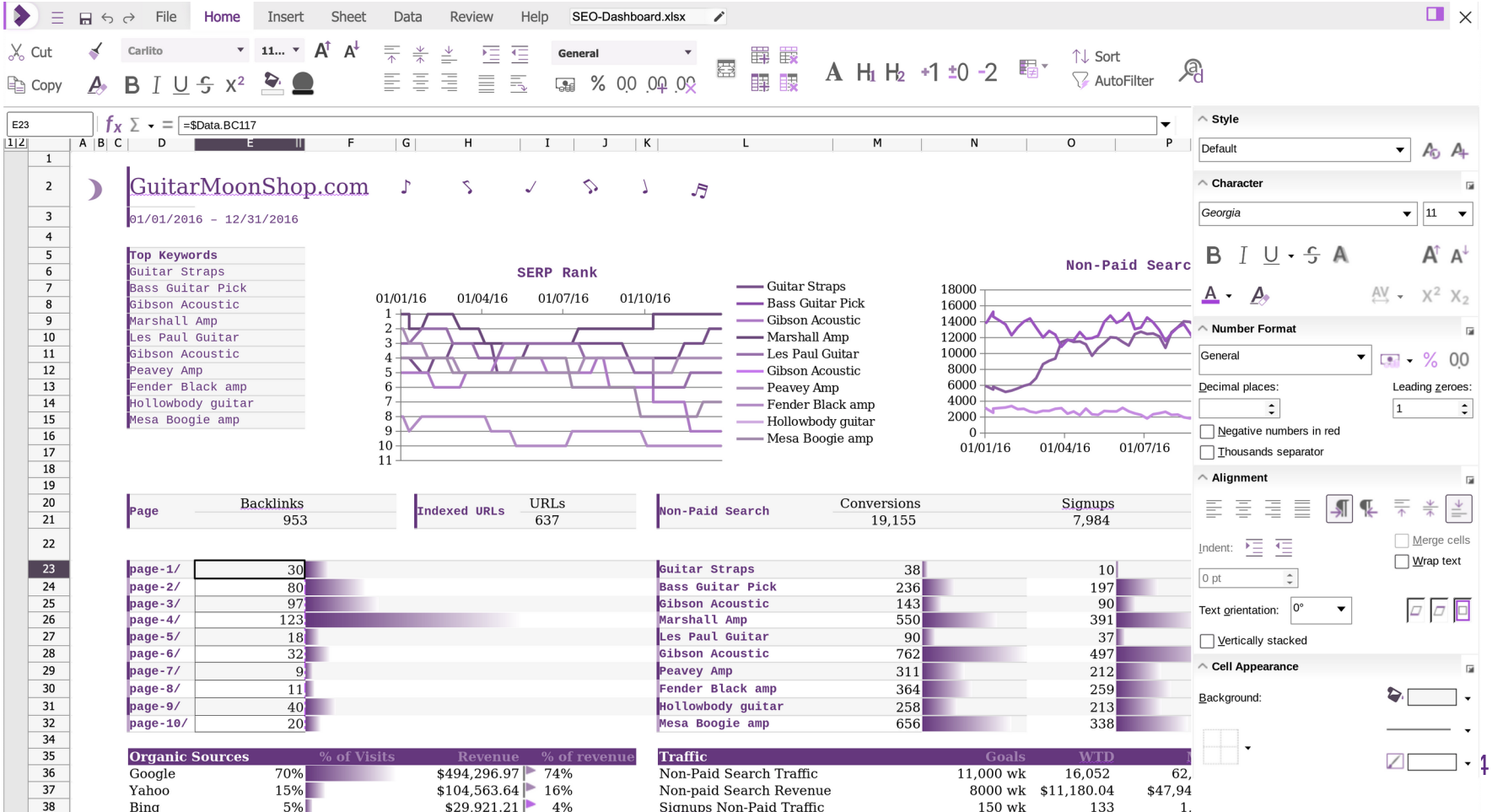
Collabora Online

Collaborative Writer



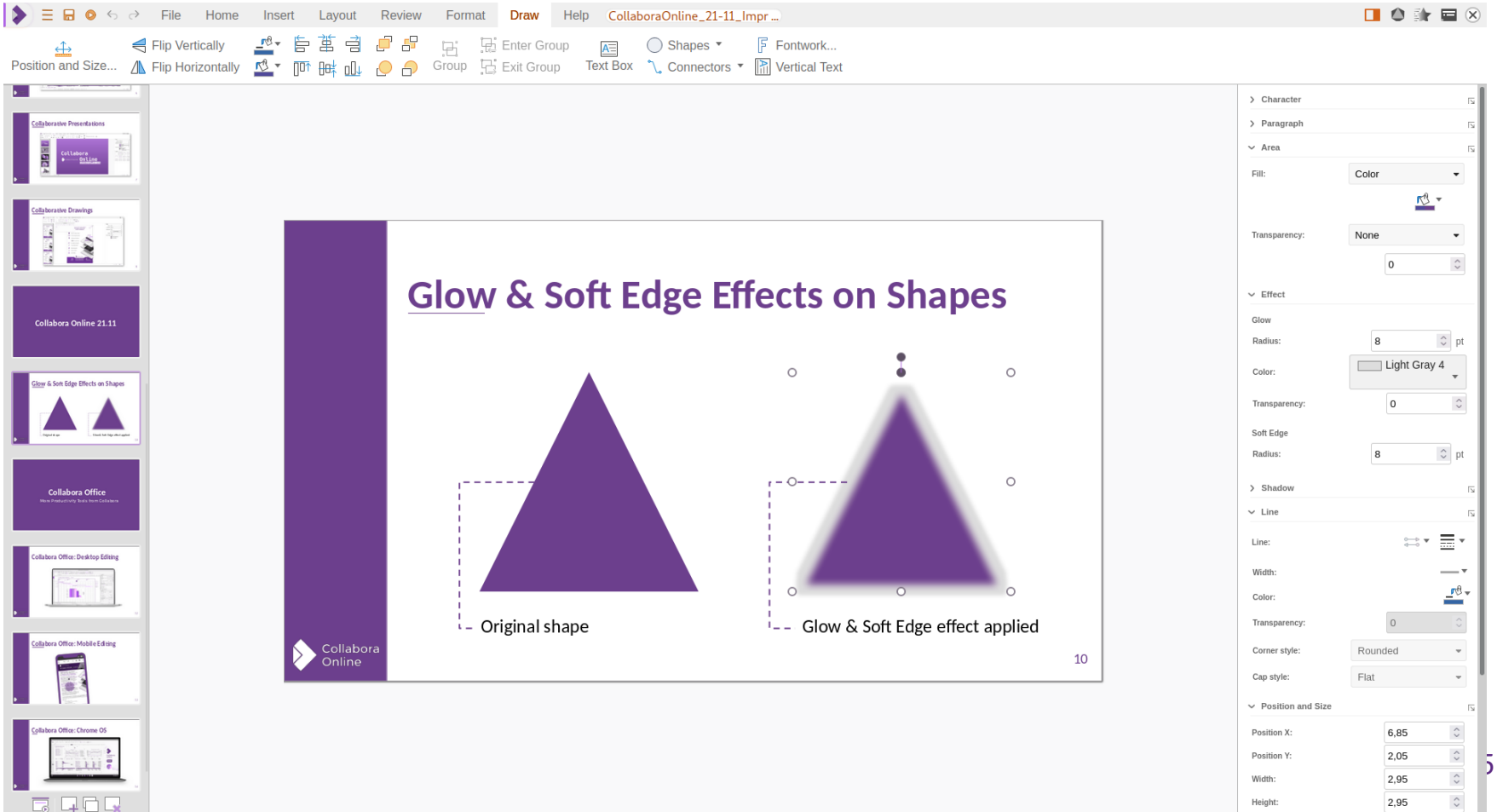
Collabora Online

Collaborative Spreadsheets

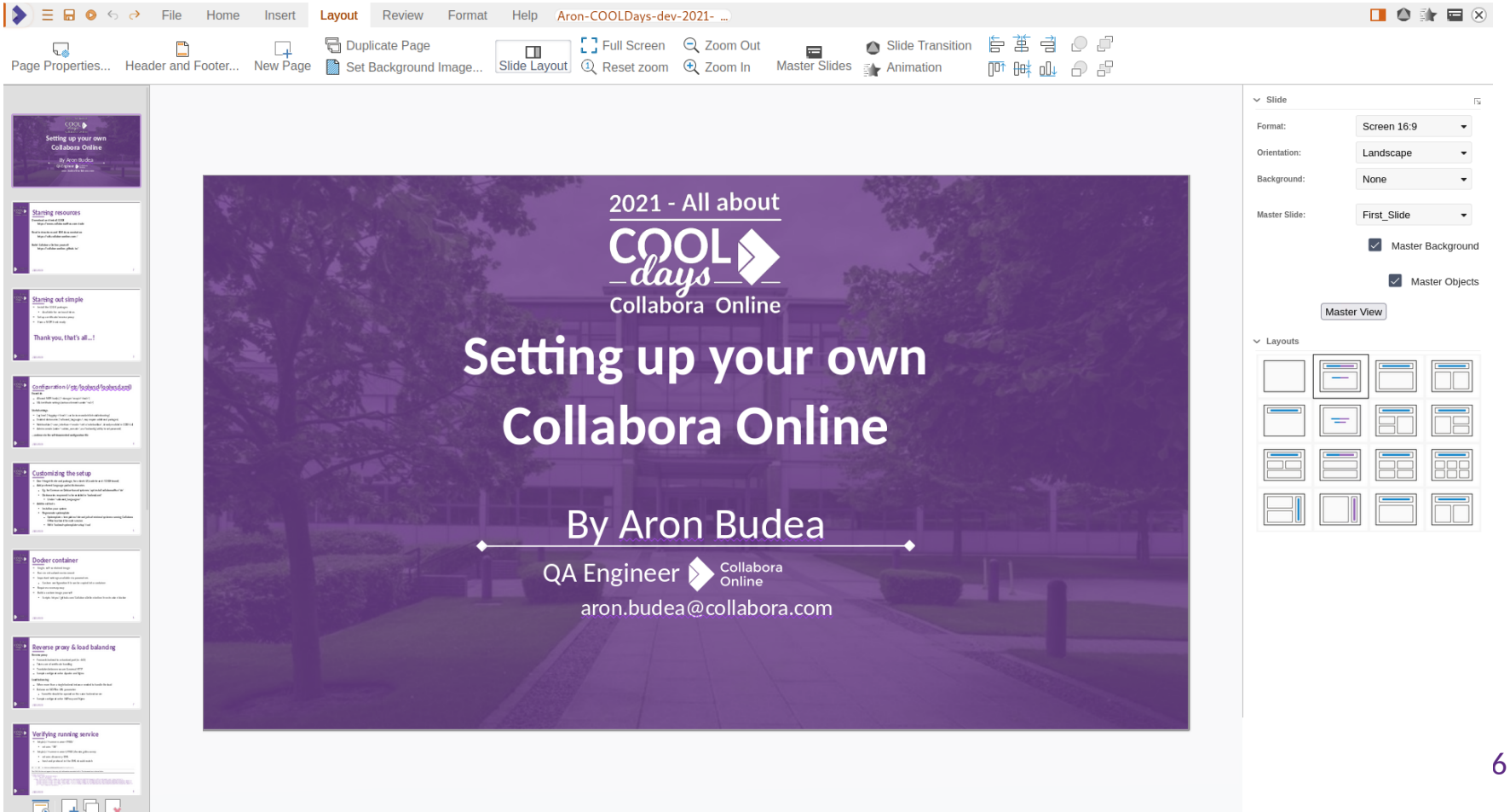


Collabora Online

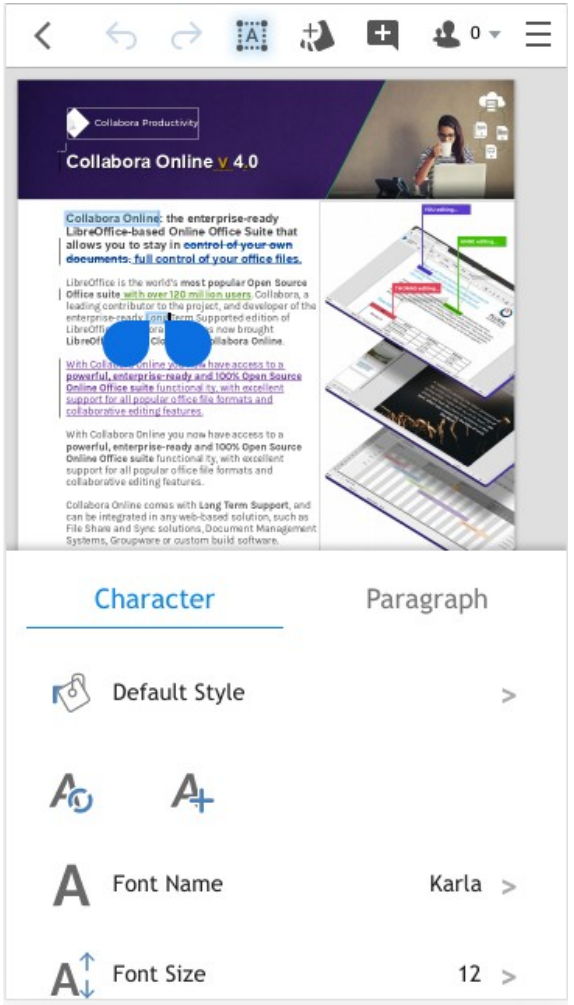
Collaborative Drawing

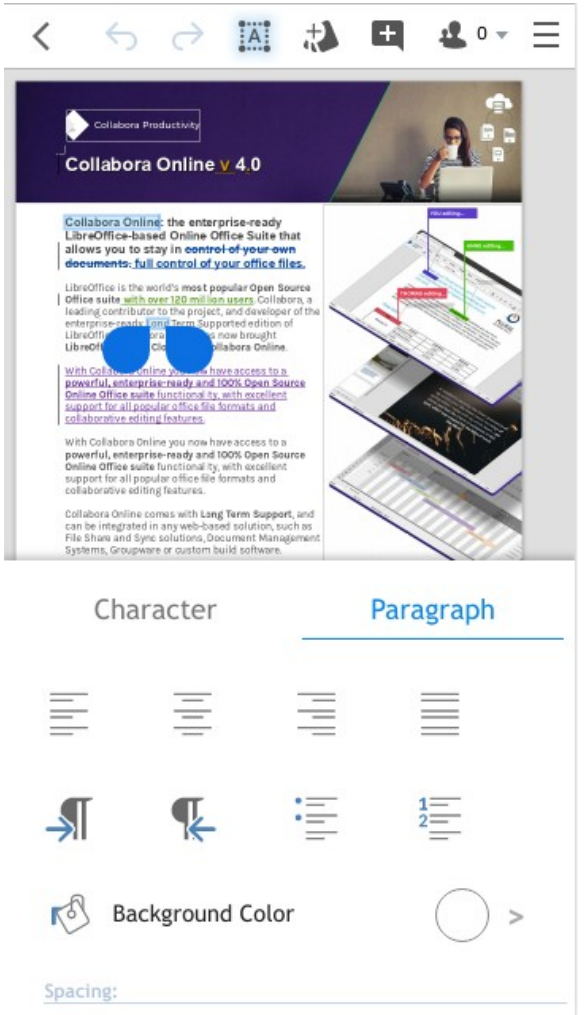


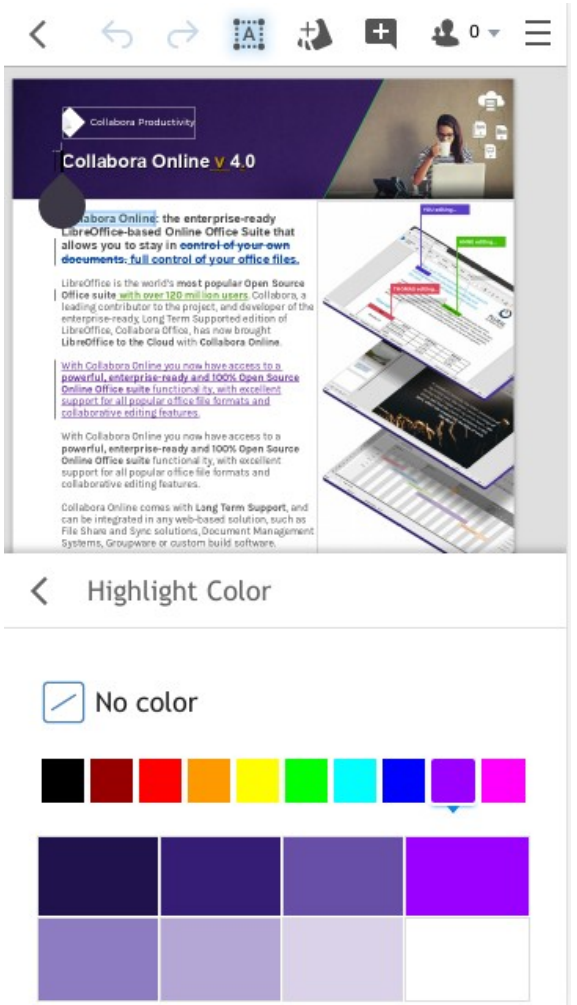
Collaborative Presentations



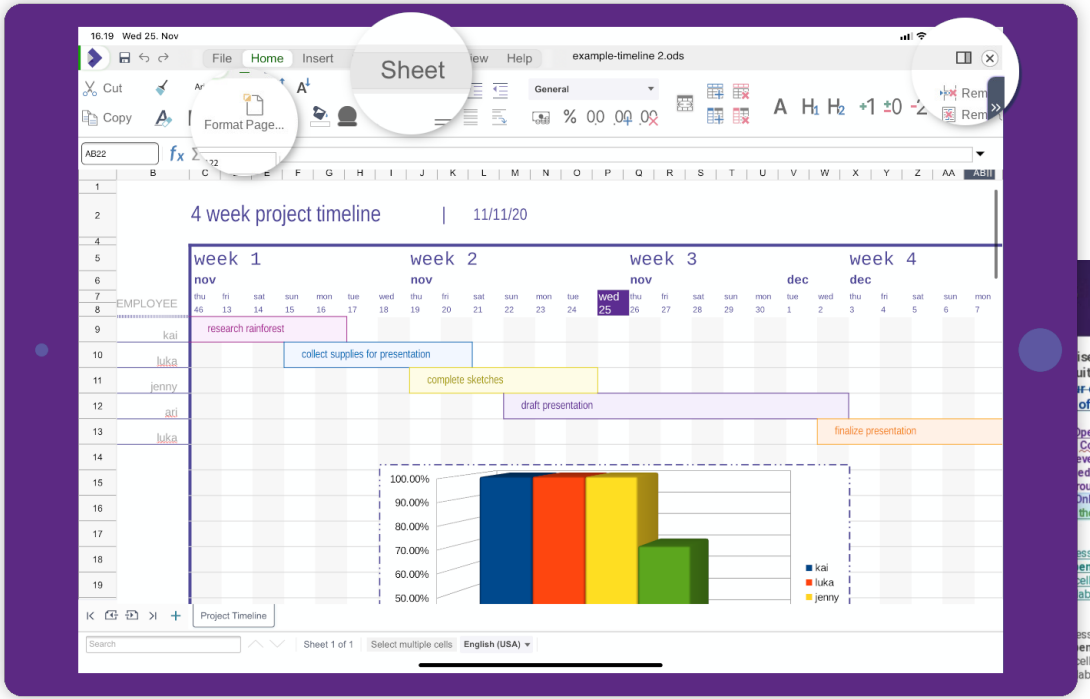
Responsive mobile UI



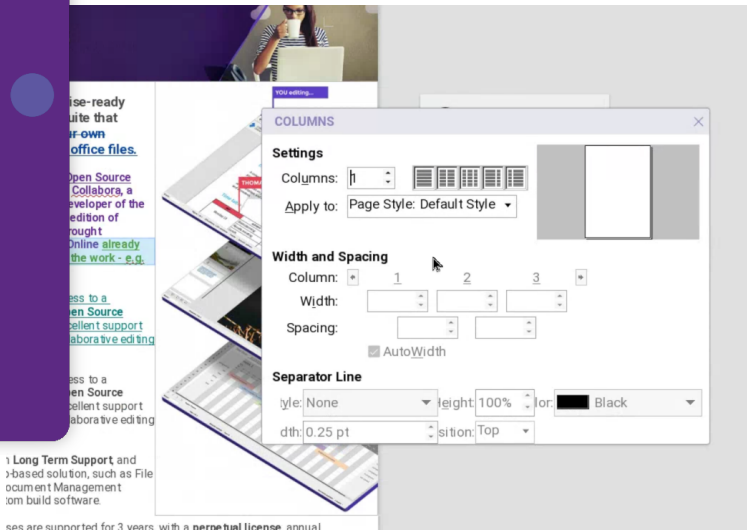




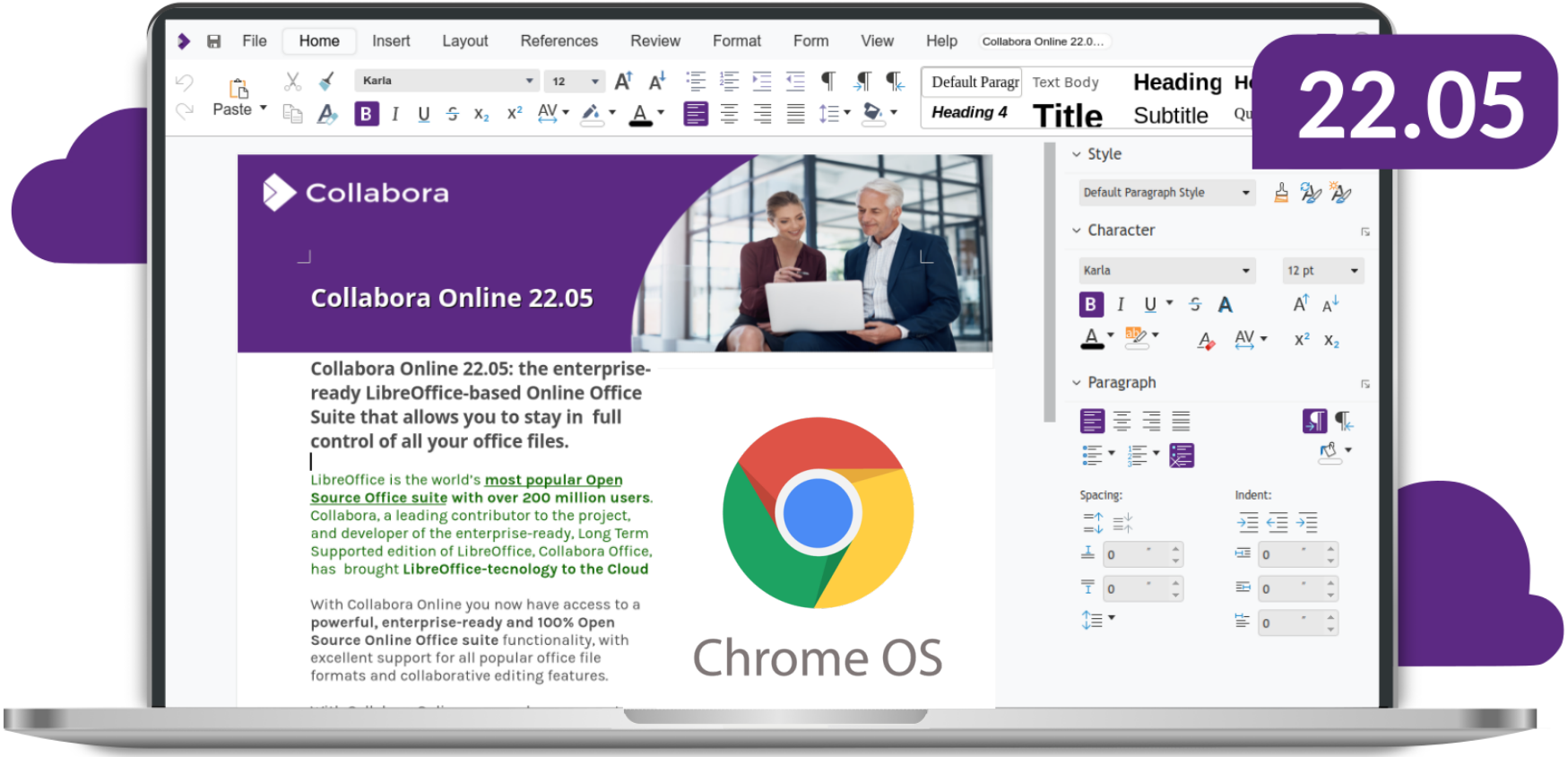
iOS tablets



Rich UI desktop UI / features:



Rich ChromeBook support



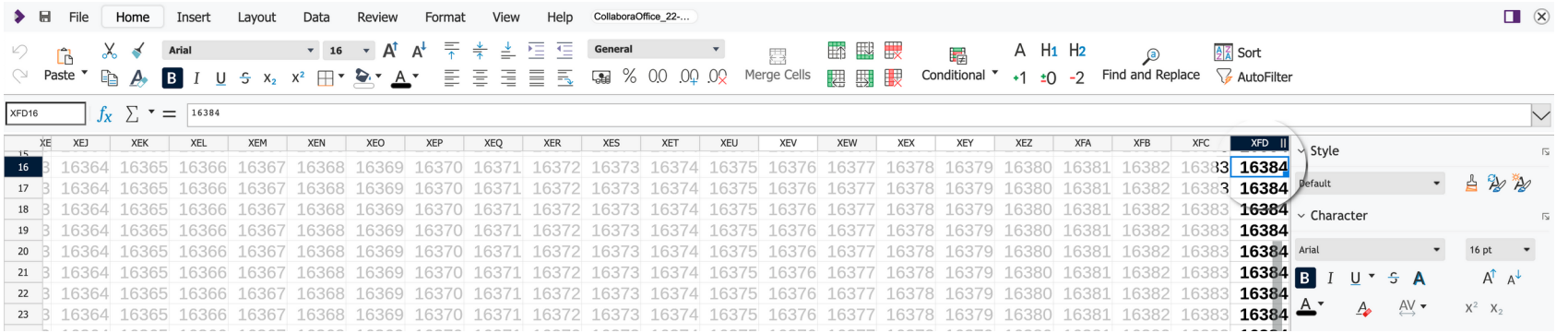
Collabora Online

Various shipping features in 22.05

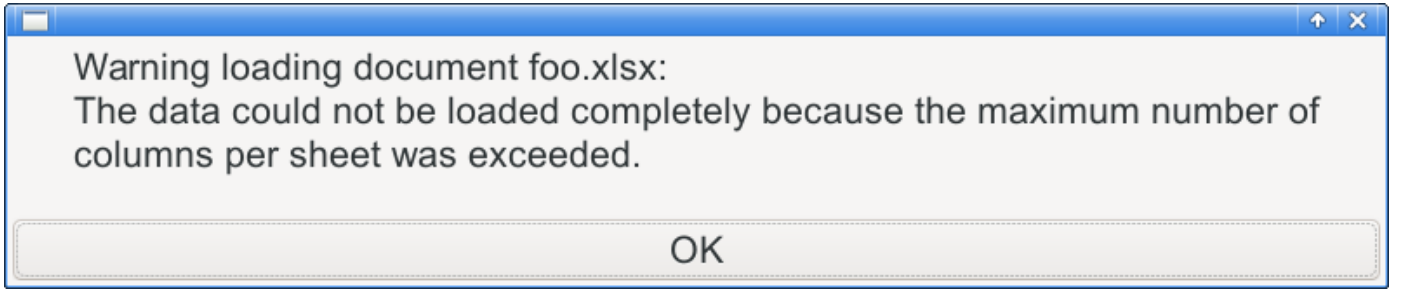
from the last year …

Jumbo Spreadsheets

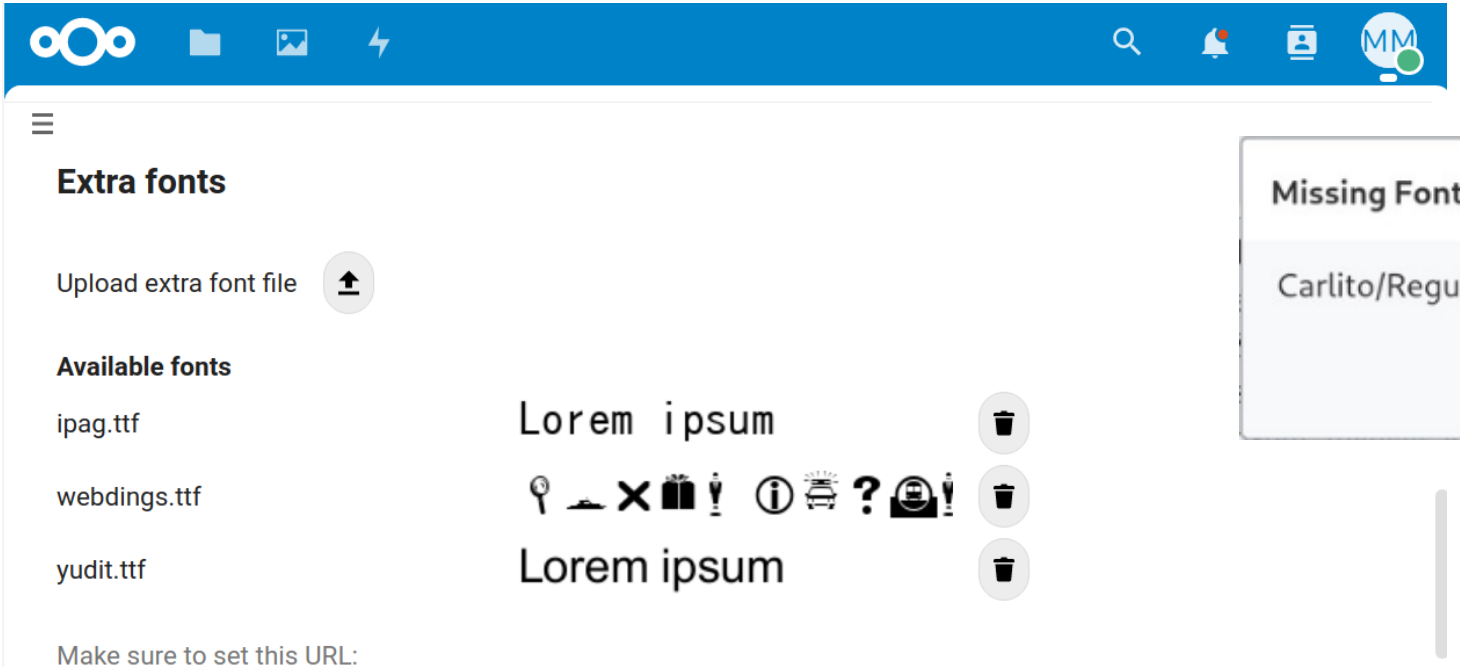
We now support up to 16384 columns in spreadsheets

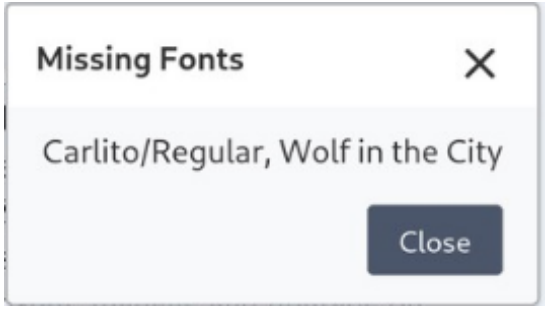


Possibly the most annoying dialog in the world now gone:



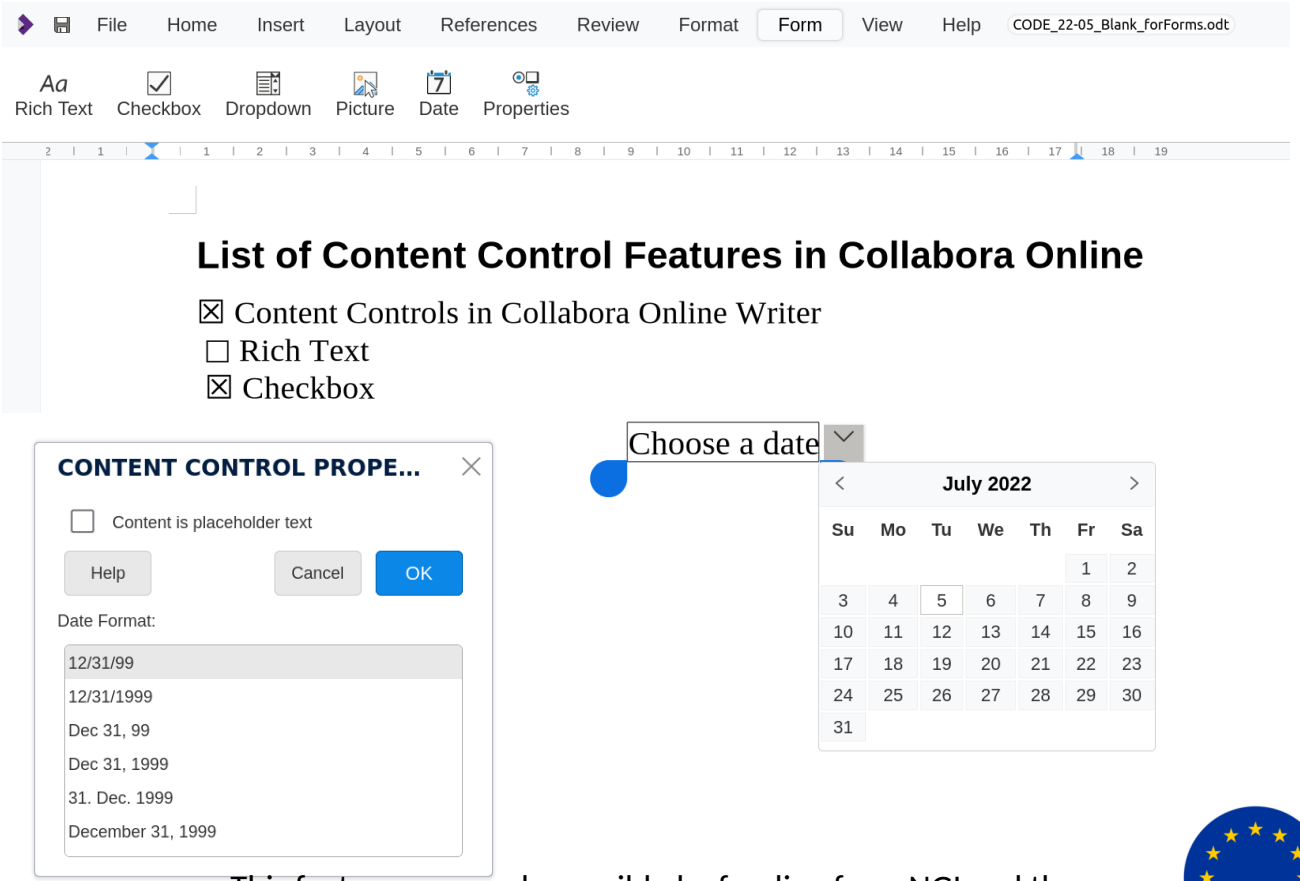
Polled font management API / UI ...





Content Controls in Writer: Forms ...

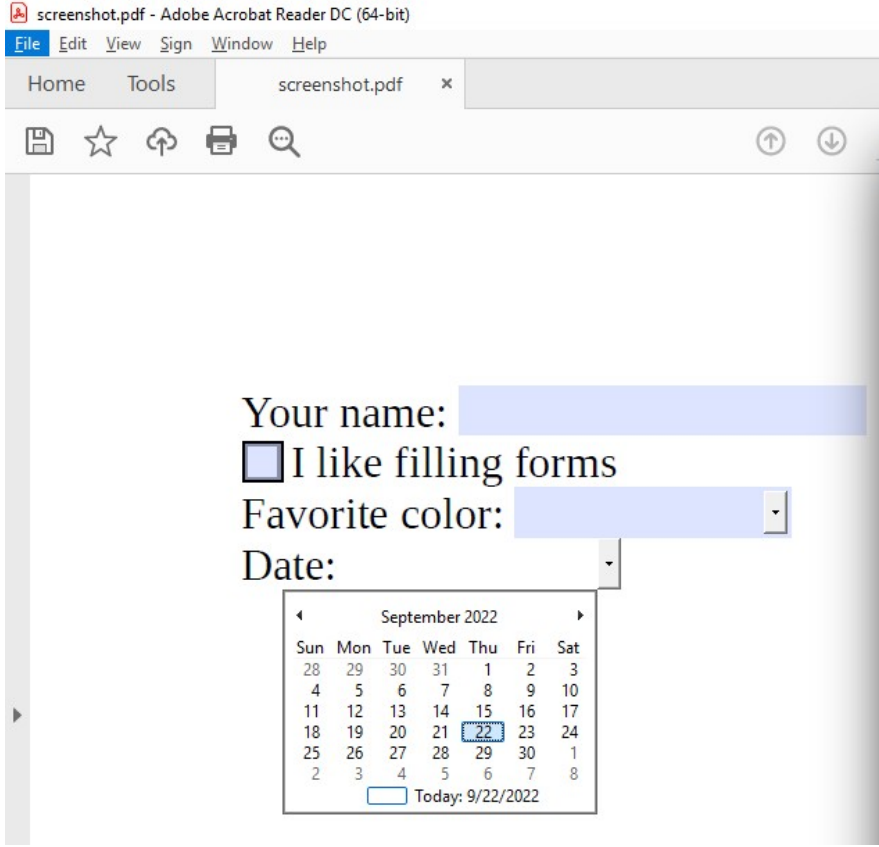
- Rich Text
- Checkbox
- Dropdown
- Picture
- Date



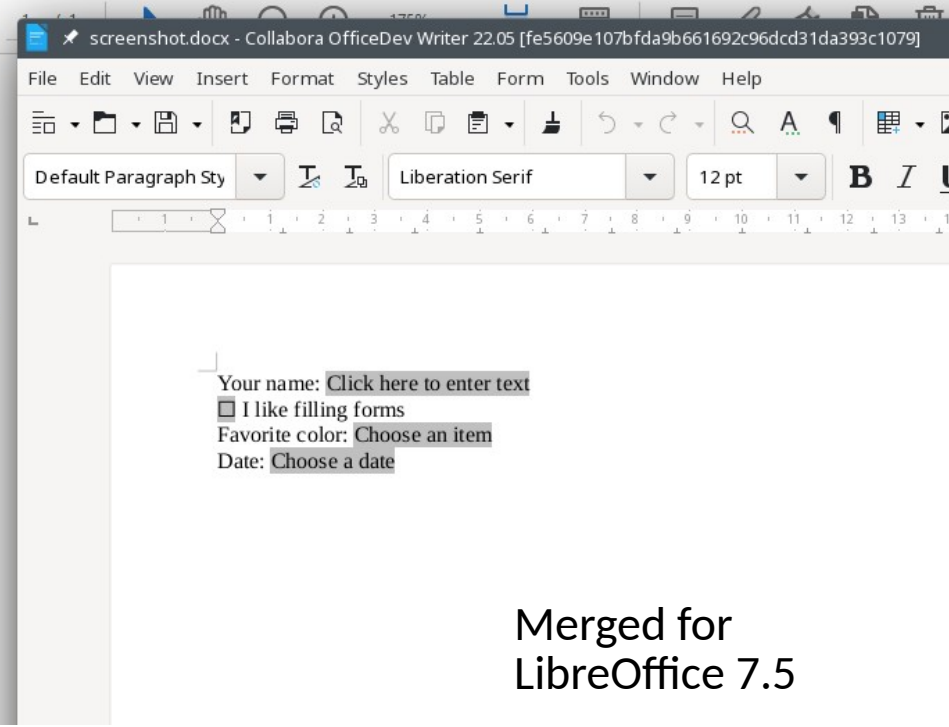
This feature was made possible by funding from NGI and the European Union's Horizon 2020 research and innovation programme under grant agreement No 871498.

PDF form creation …

Class beating PDF form export:



Improved form / a11y support



Merged for LibreOffice 7.5

Collabora Online

Impress color theming

A key interoperability win

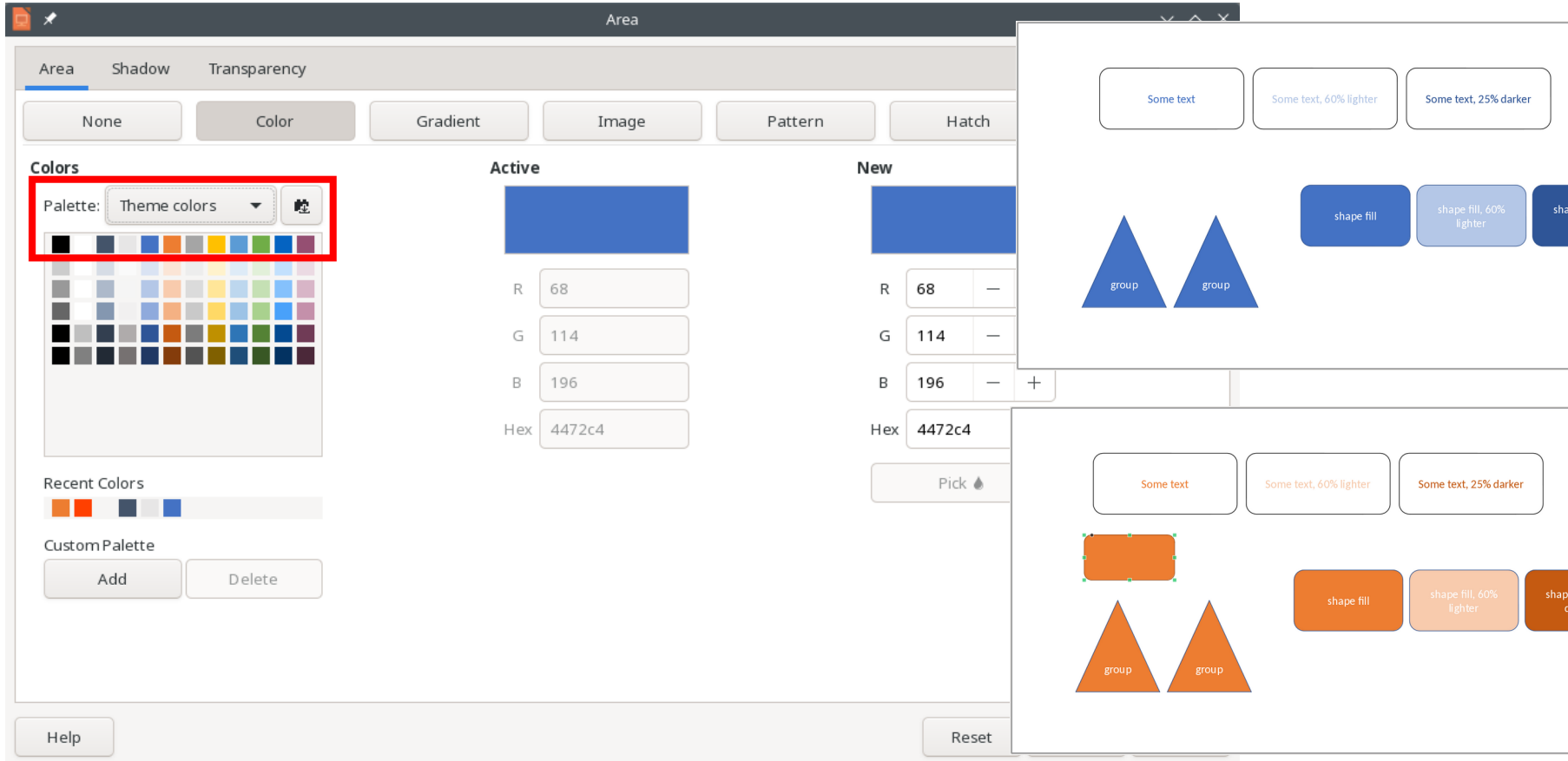
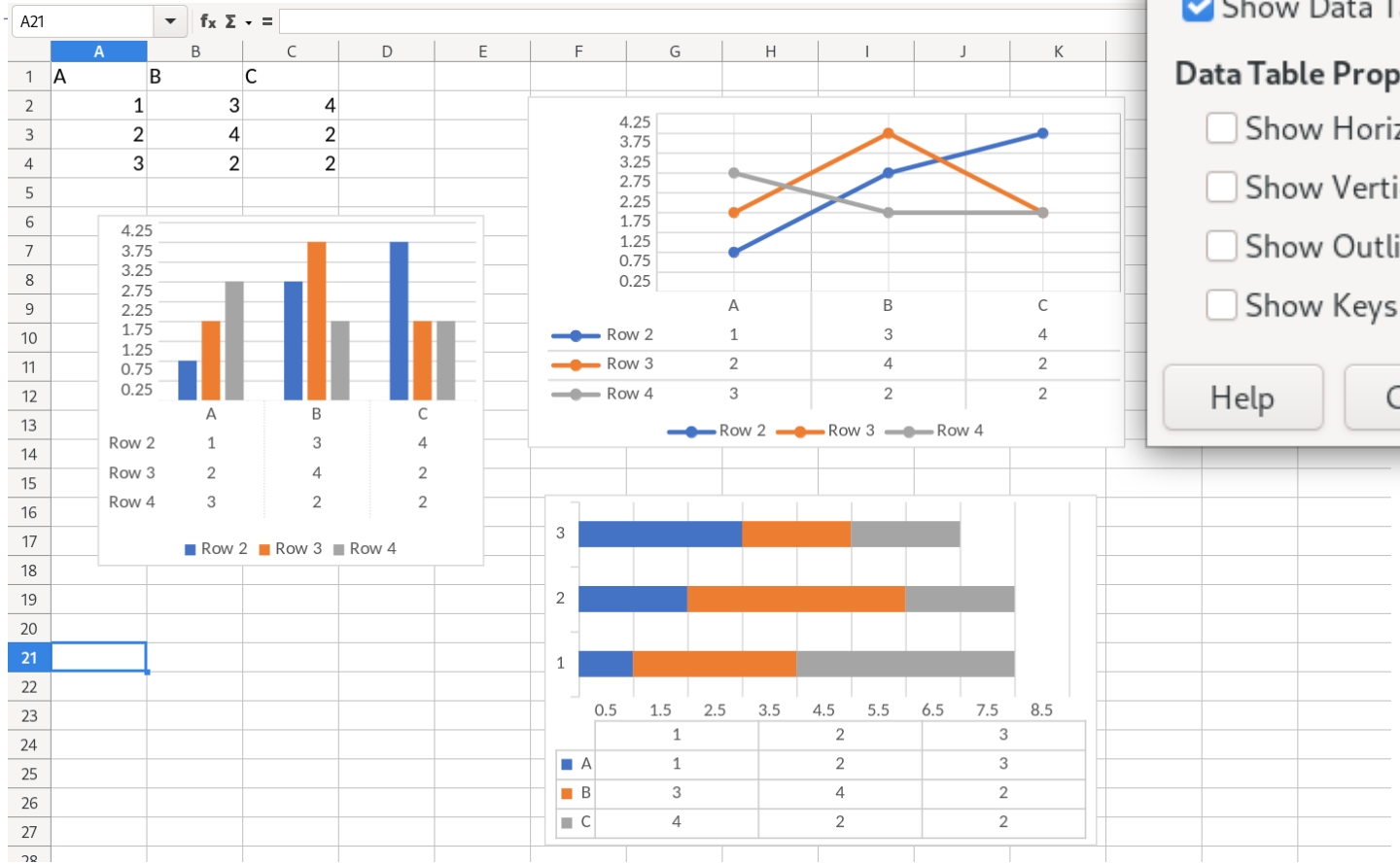


Chart – data tables ...



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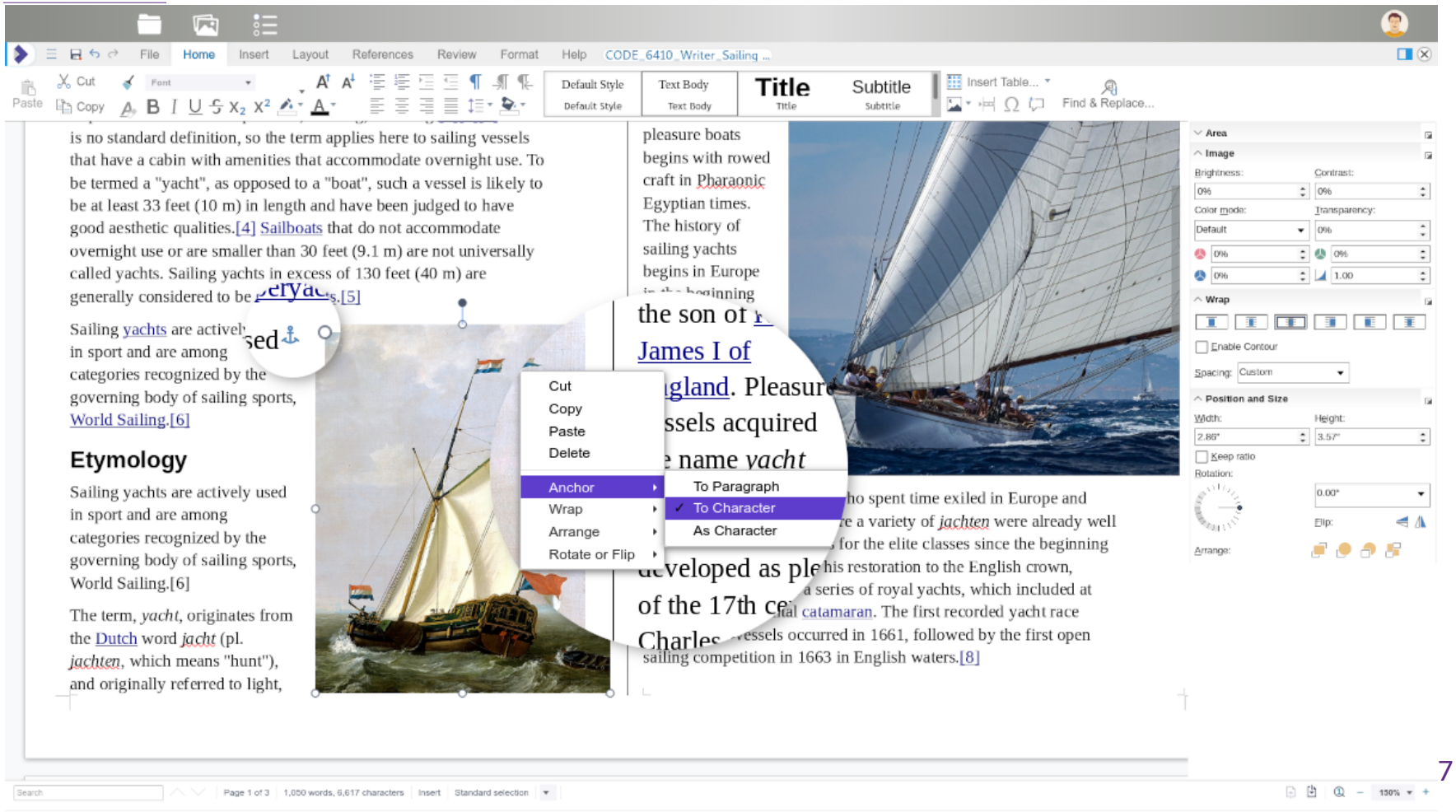
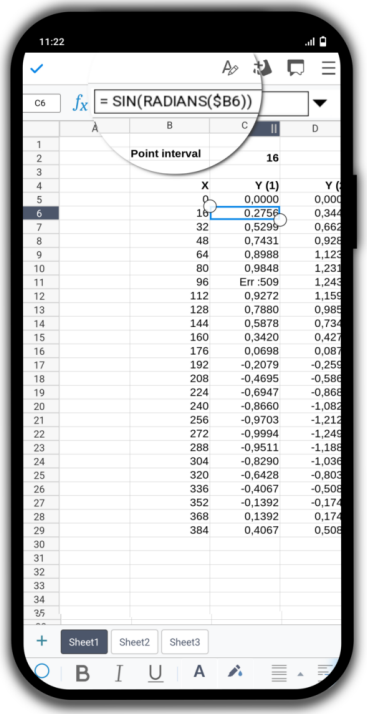
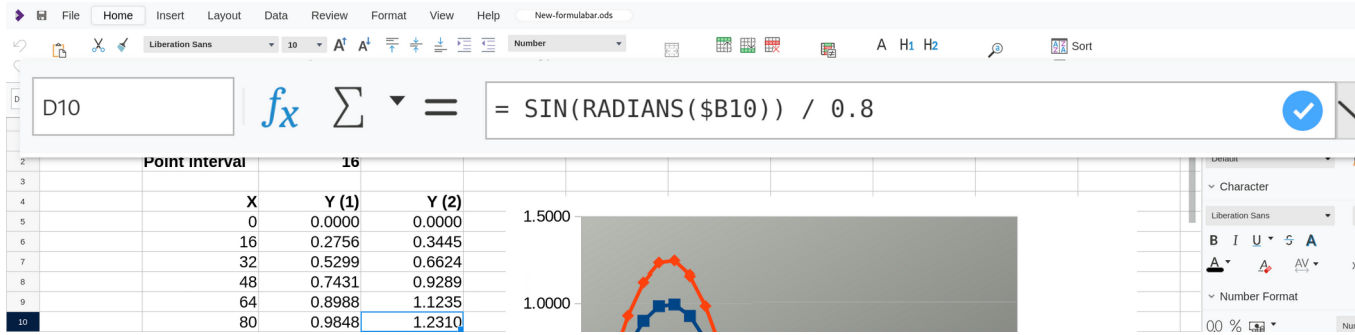
Precisely anchor & reflow your boat (and other) images

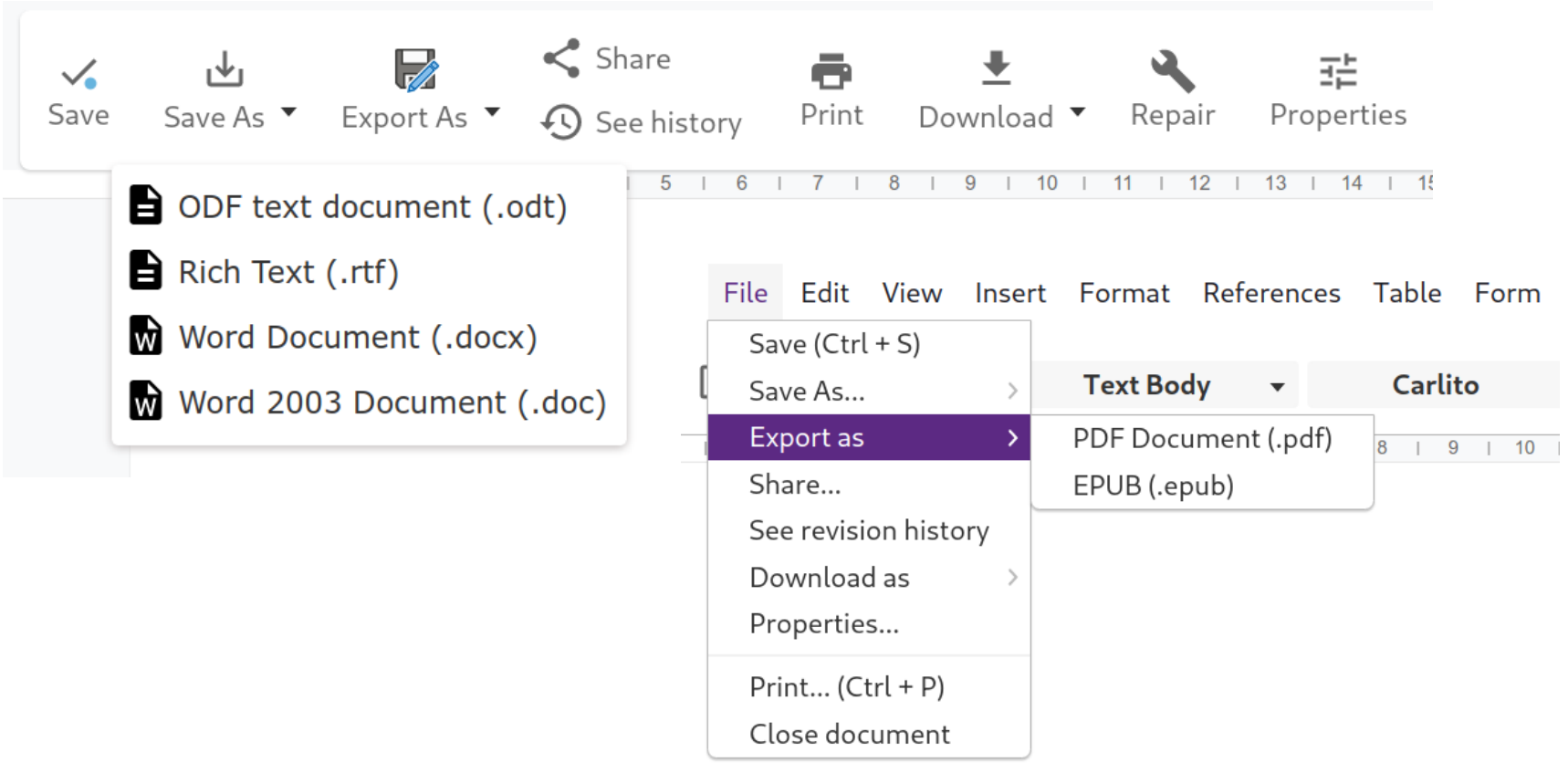


New HTML Formula Input Bar

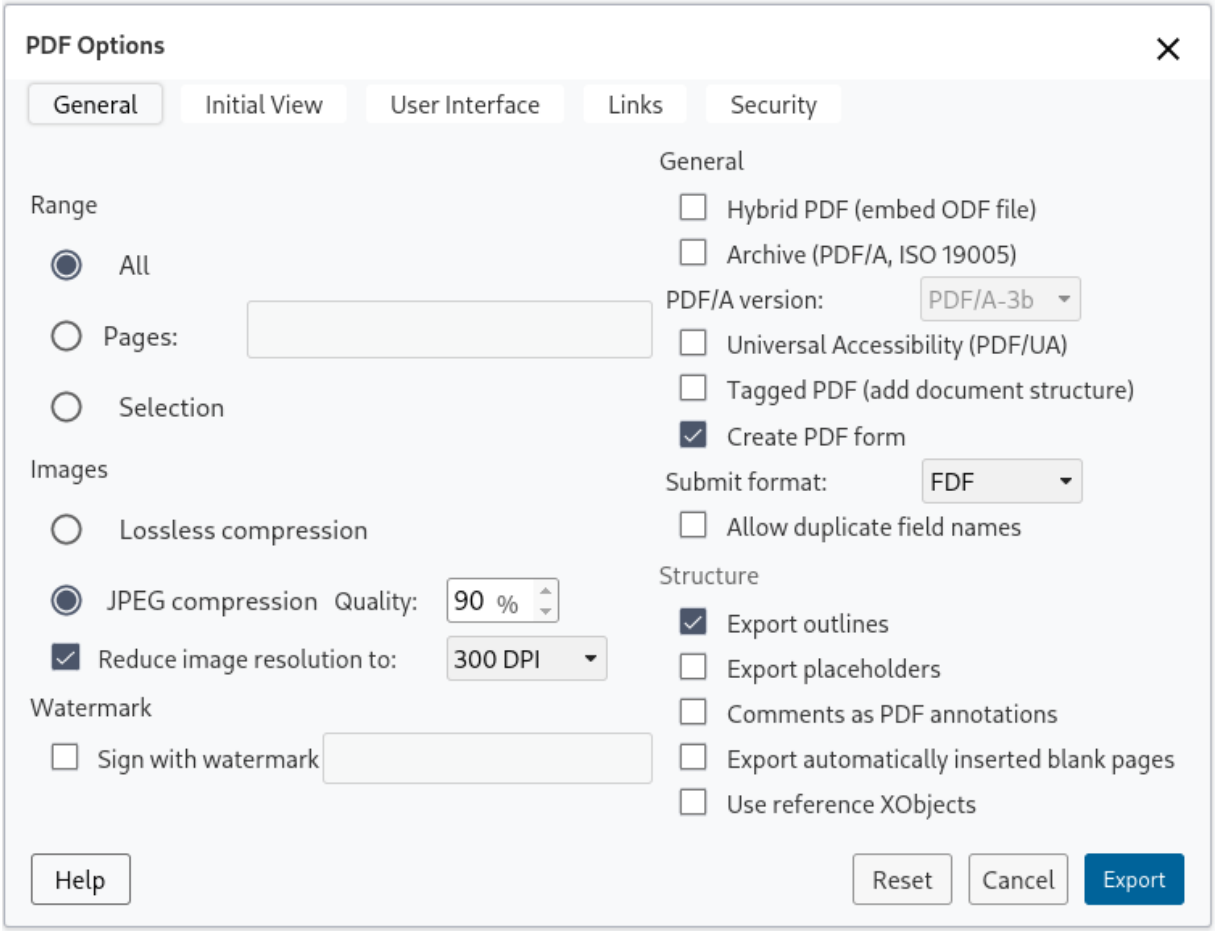


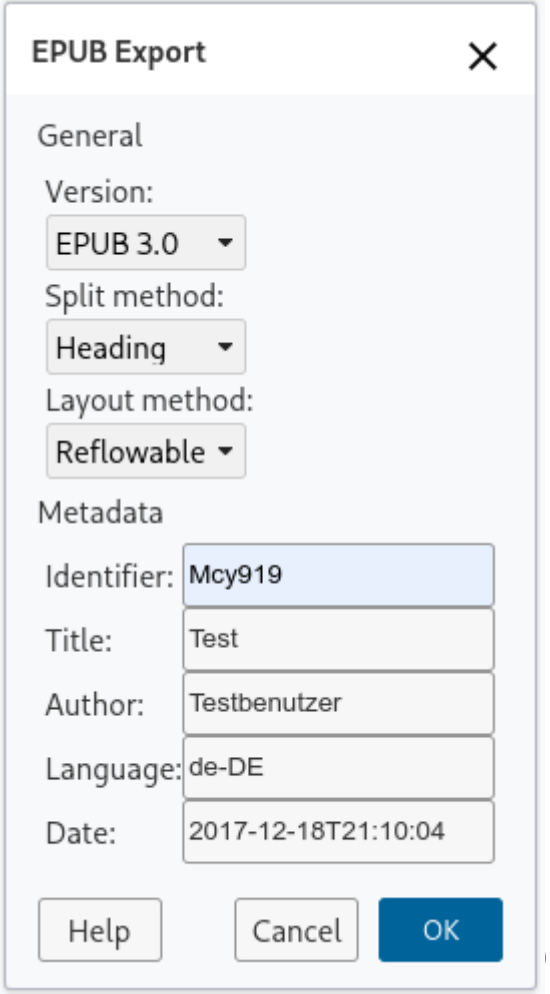


Save-As / Export-As (+ Download)



Same hooks for new ‘Export’:

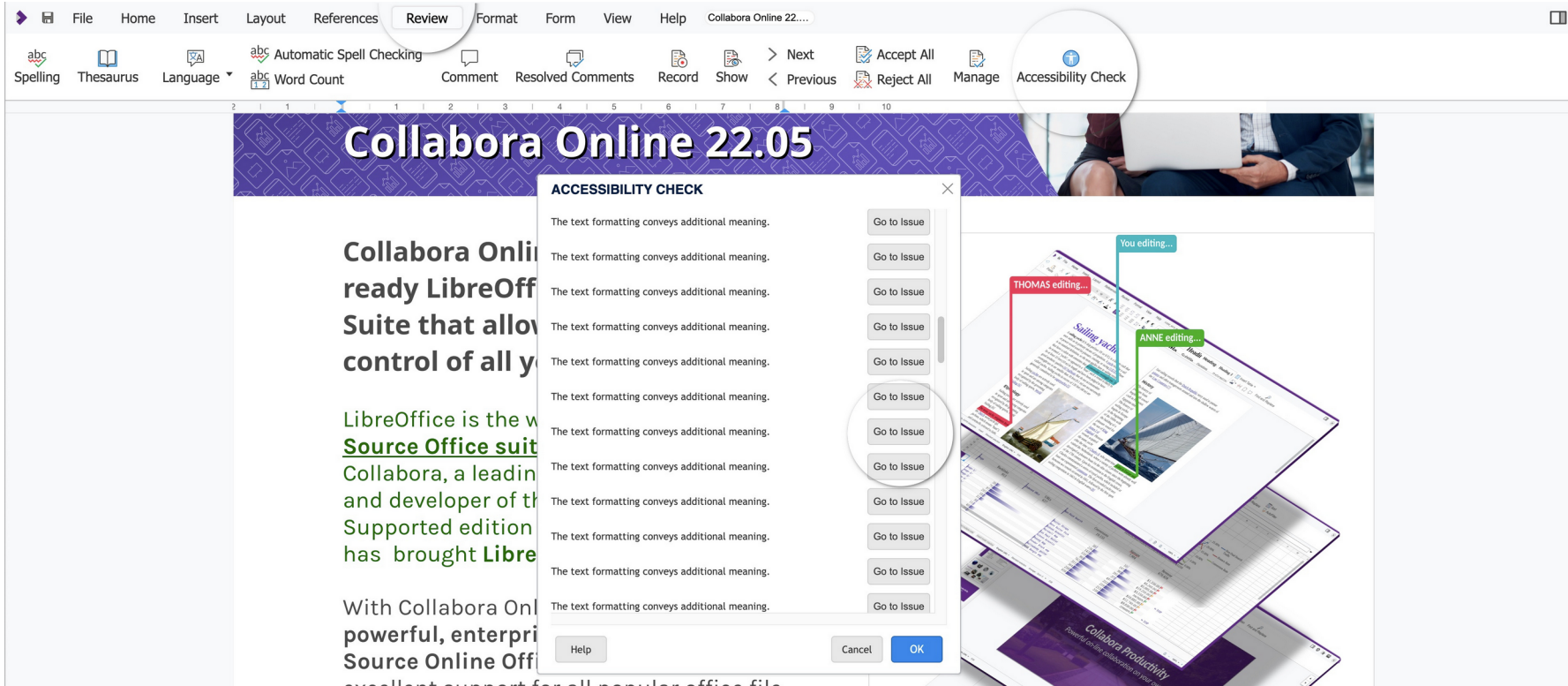




Collabora Online

Accessibility Check

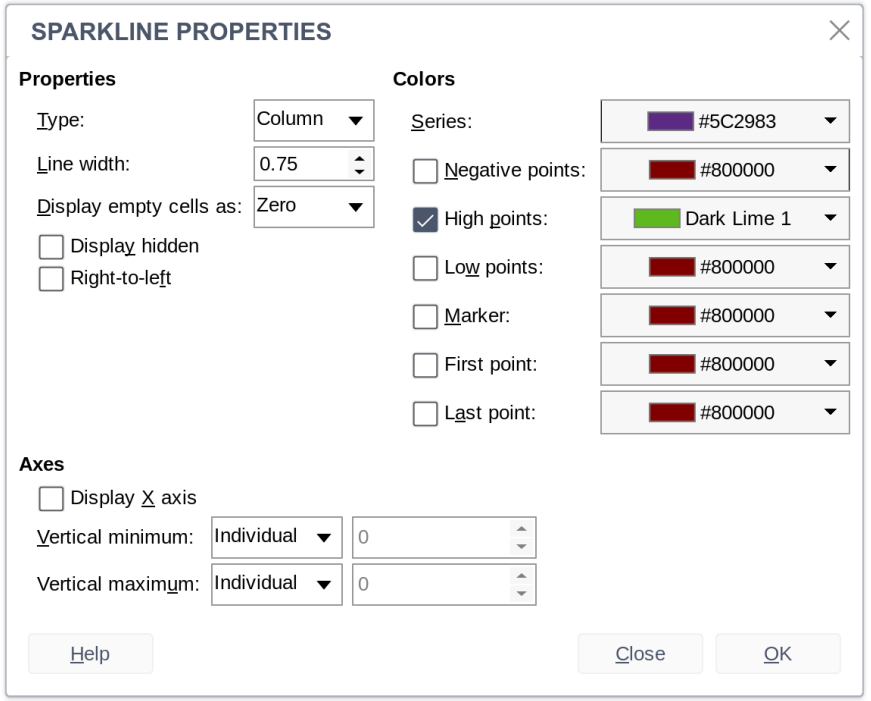
Accessibility Check Helps to create documents according to the PDF/UA Standard



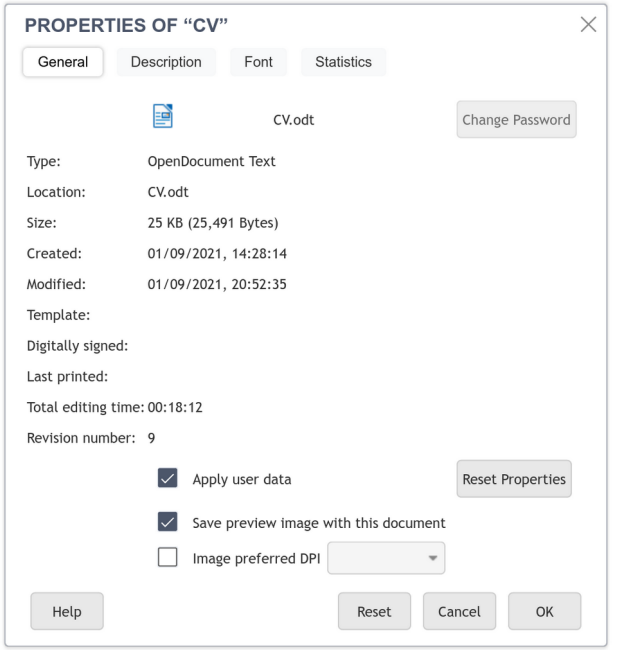
Collabora Online

Richer dialog functionality left & right

eg. SparkLine properties



or File Properties



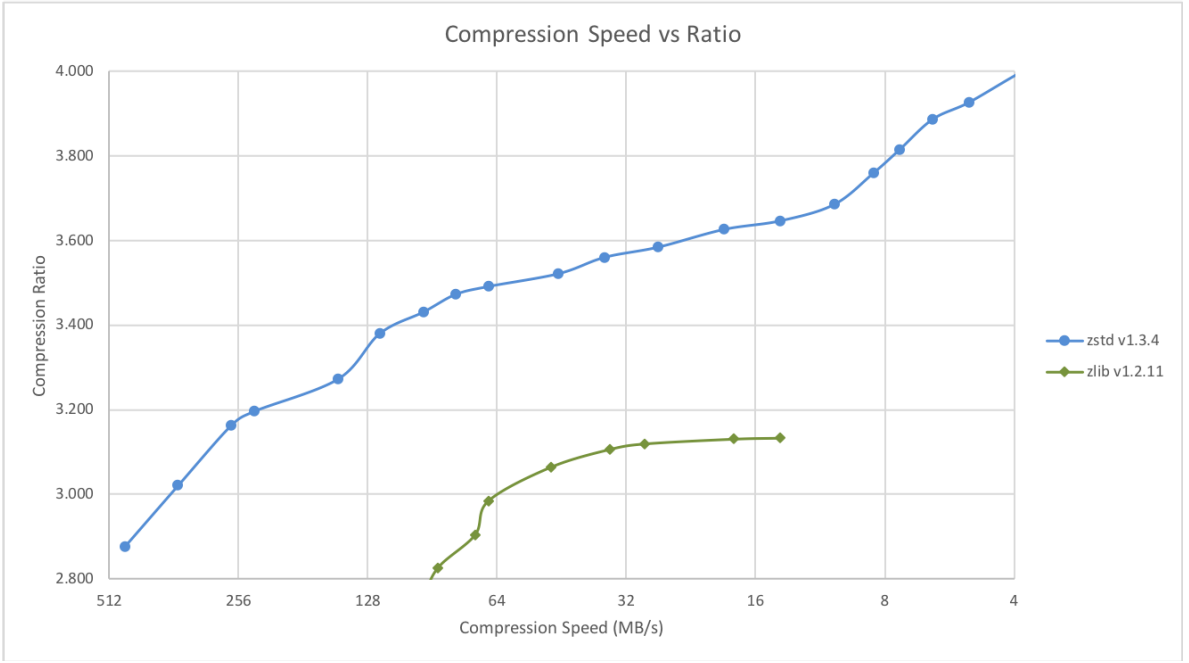
Faster (zstd) tile compression + δ's

Thanks to Facebook for a better zlib.

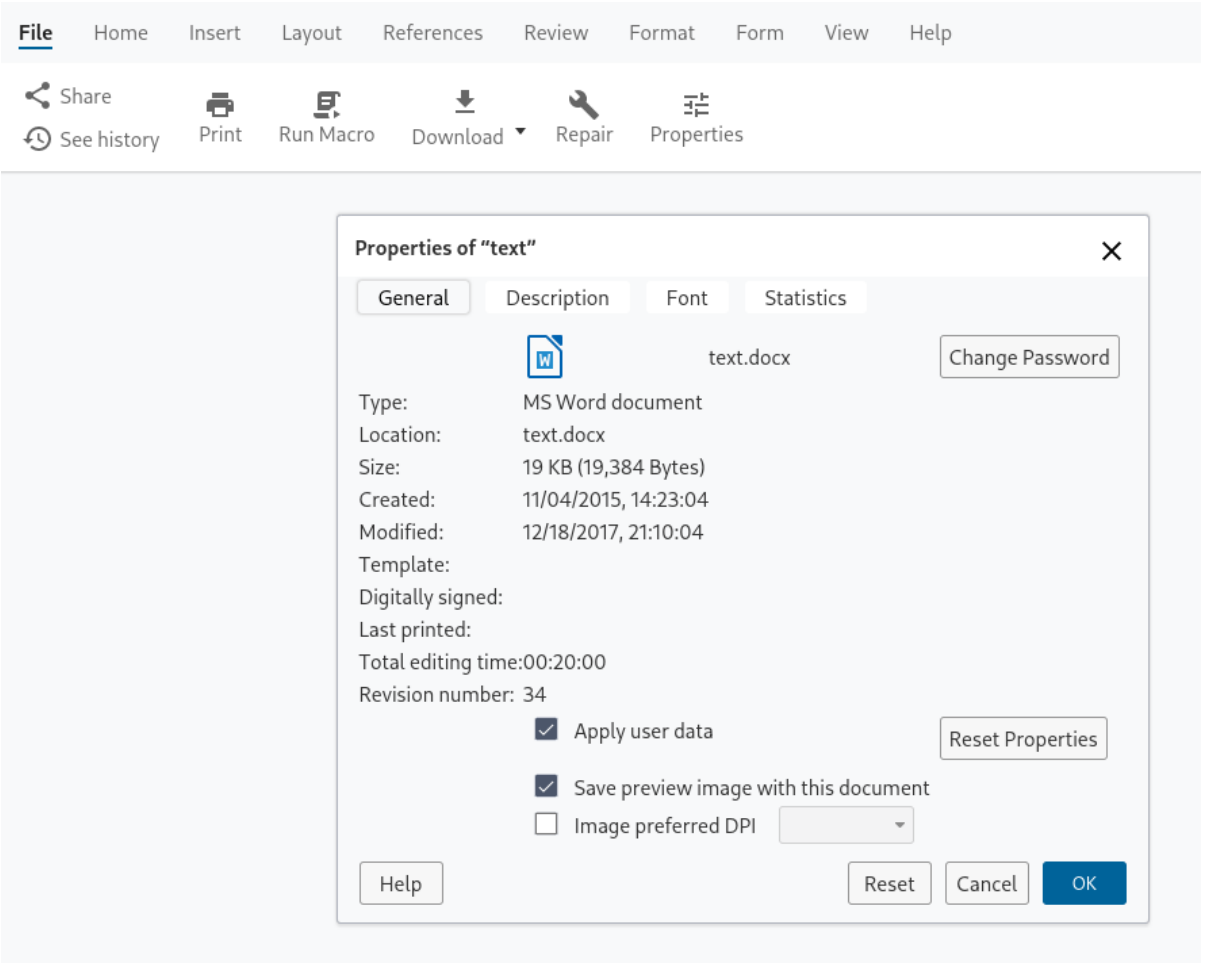
~5x lower CPU load for tile compression.

Deltas:

~50% bandwidth redux

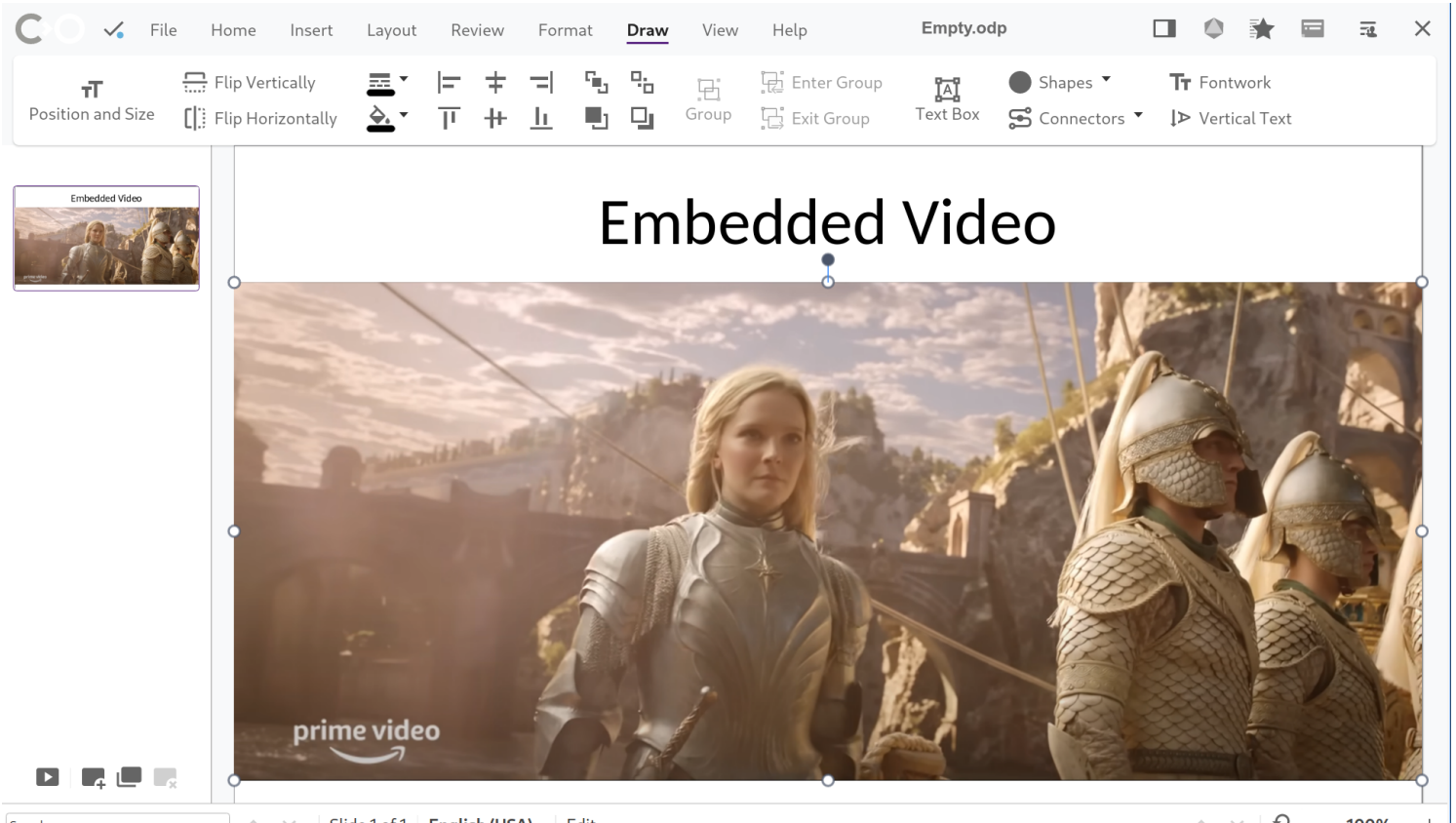


Document properties + passwords



Online / embedded Video playback

Built on browser codec support:



AI document checking:

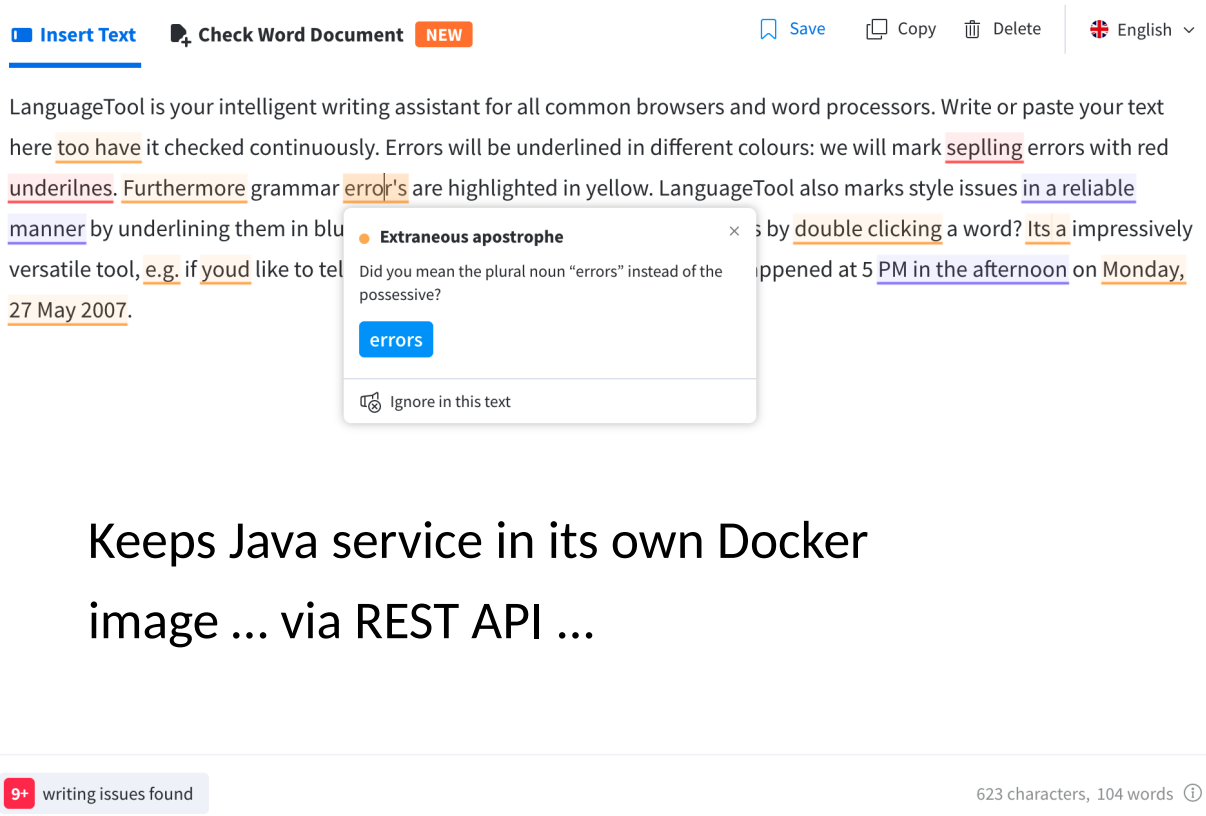
Language / Grammar API

By LanguageTooler

Thanks to Adfinis for accelerating this work !

Daniel Naber's company:

- Focused on B2C & the web browser:
- LanguageTooler GmbH
  - Potsdam.
- Taking on Grammerly
- More info here

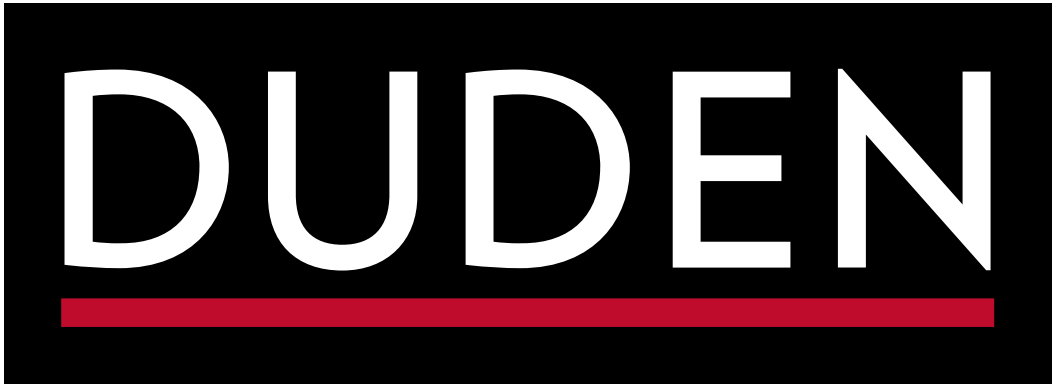


Keeps Java service in its own Docker image … via REST API …

DUDEN corrector integration

Extending existing LanguageTooler work

- Will require a DUDEN Web Service
- On-premise. https://www.duden.de/api etc.
- Initially just basic checking.



DeepL built-in translation ...

Collabora Online: the enterprise-ready LibreOffice-based Online Office Suite that allows you to stay in 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, Term Supported edition of LibreOffice, Collabora Office, has now brought **LibreOffice to the Cloud** with **Collabora Online**. Apple are great

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.

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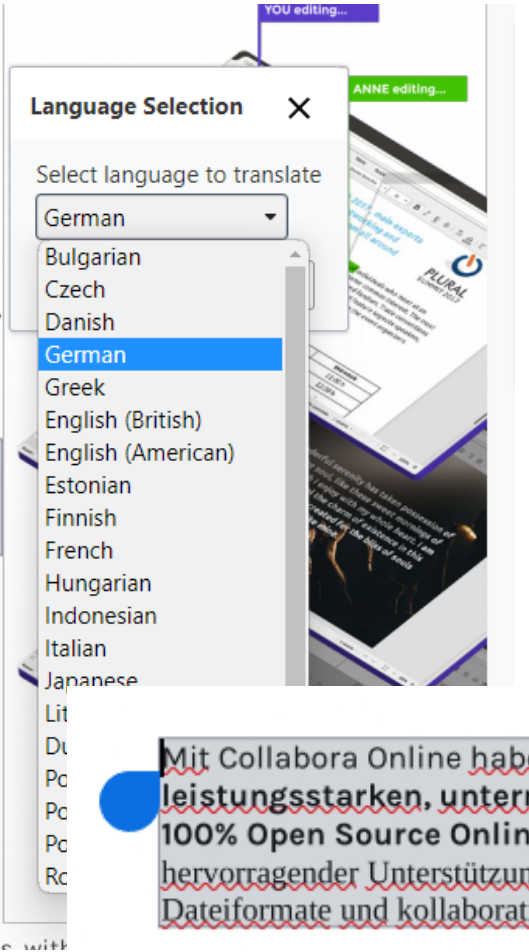
Collabora Online comes with **Long Term Support**, and can be integrated in any web-based solution, such as File Share and Sync solutions, Document Management Systems, Groupware or custom build software.

All Long Term Support releases are supported for 3 years, with

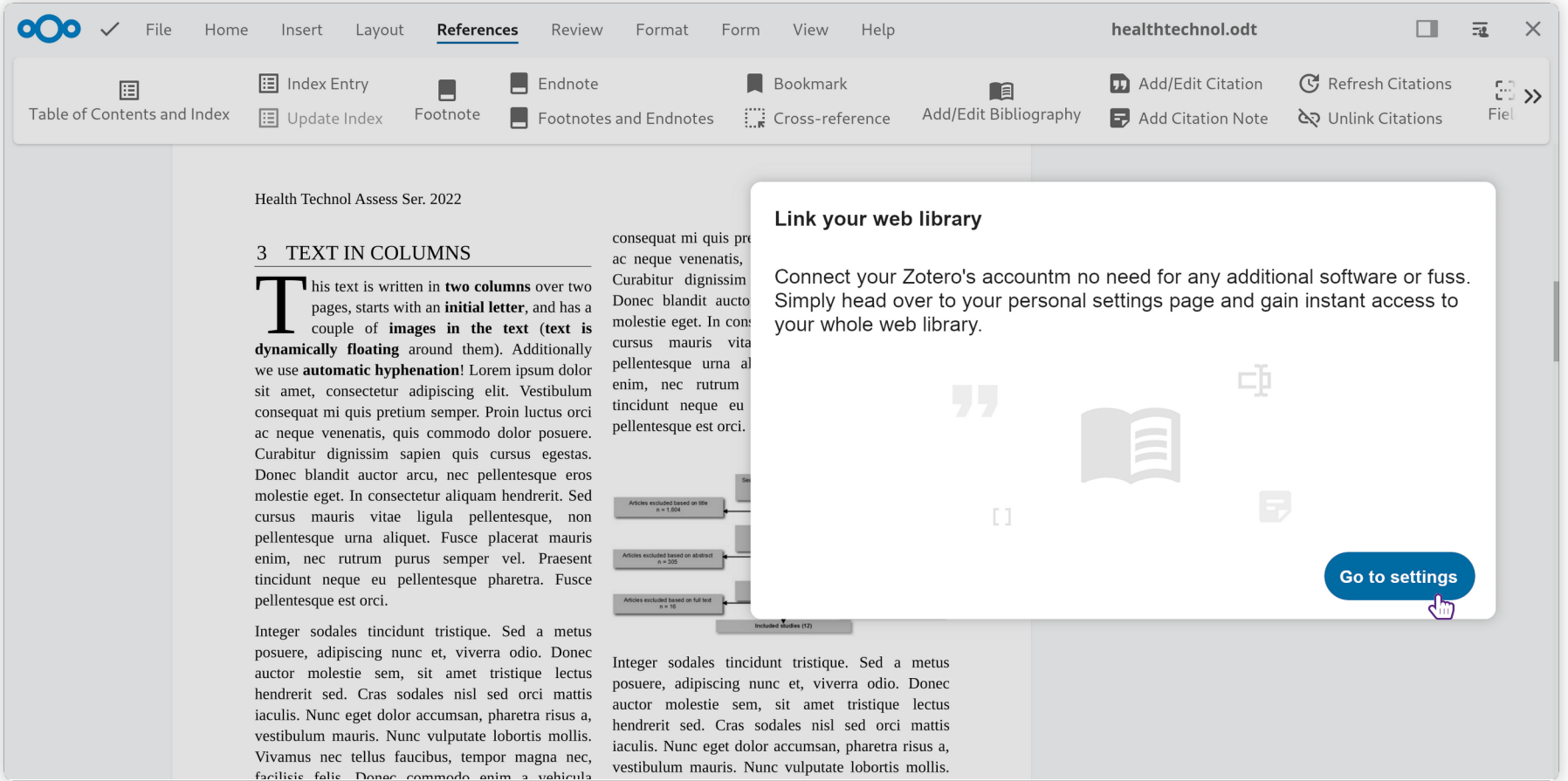


Mit Collabora Online haben Sie jetzt Zugang zu einem **leistungsstarken, unternehmenstauglichen und 100% Open Source Online Office Suite**mit hervorragender Unterstützung für alle gängigen Office-Dateiformate und kollaborative Bearbeitungsfunktionen.

Collabora Online

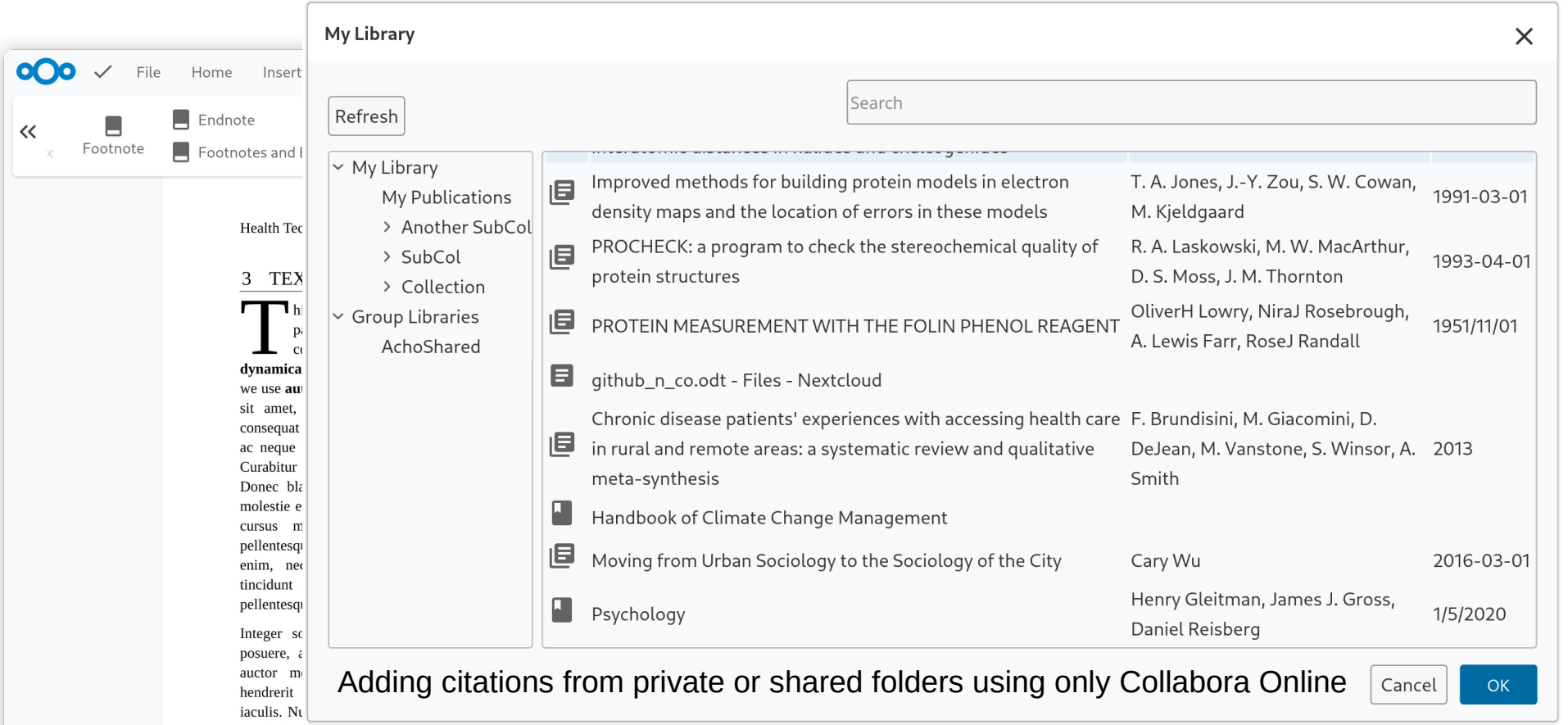
Zotero citation management

Nextcloud Zotero integration (via API)



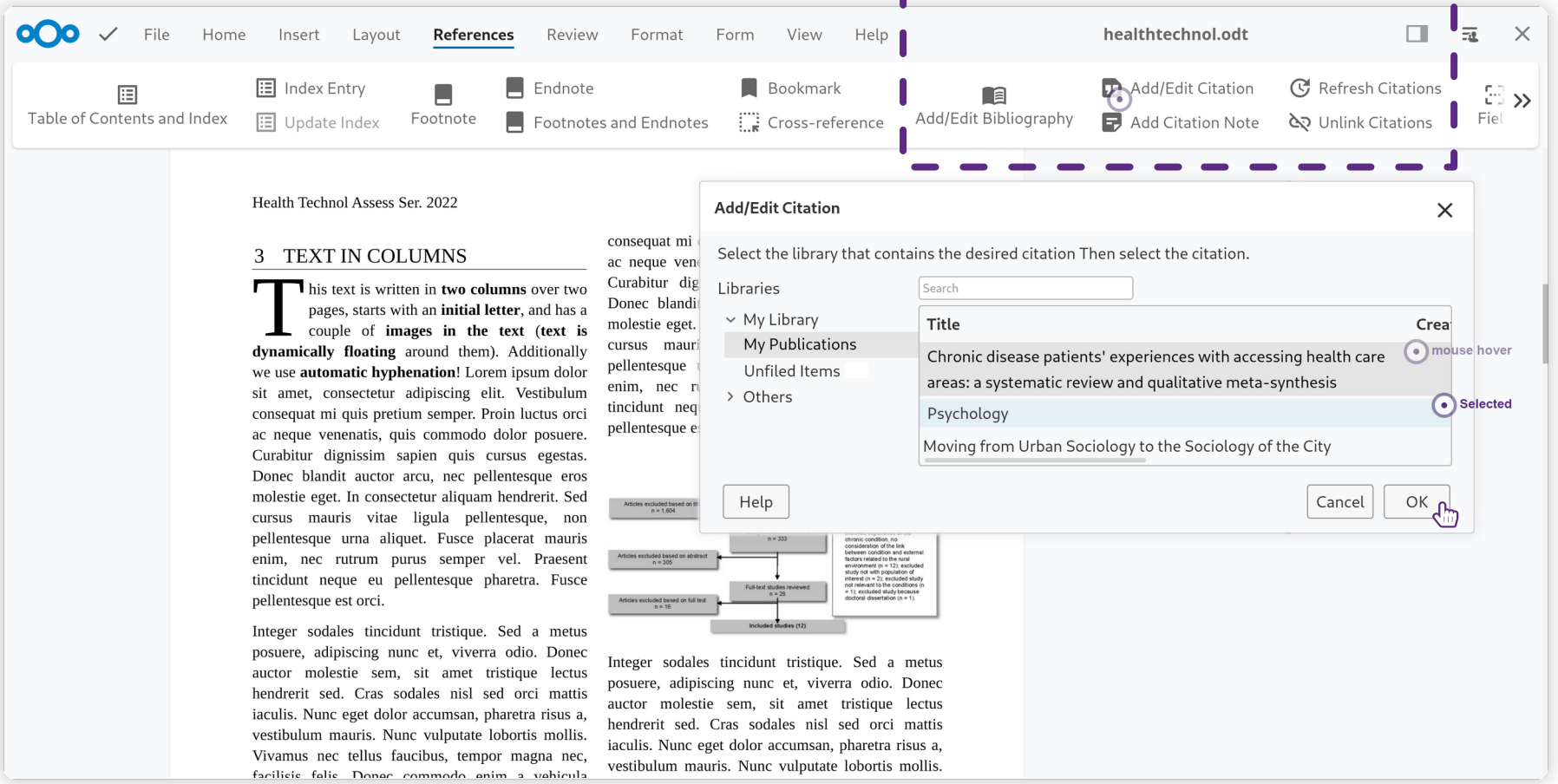
Easy to connect through integration

Browse your whole library, no need for any additional program installed on the user's side!



Built directly into a simple UI:

Actions: easy to identify and distinguish



Other misc. Online pieces ...

Improved remote configuration

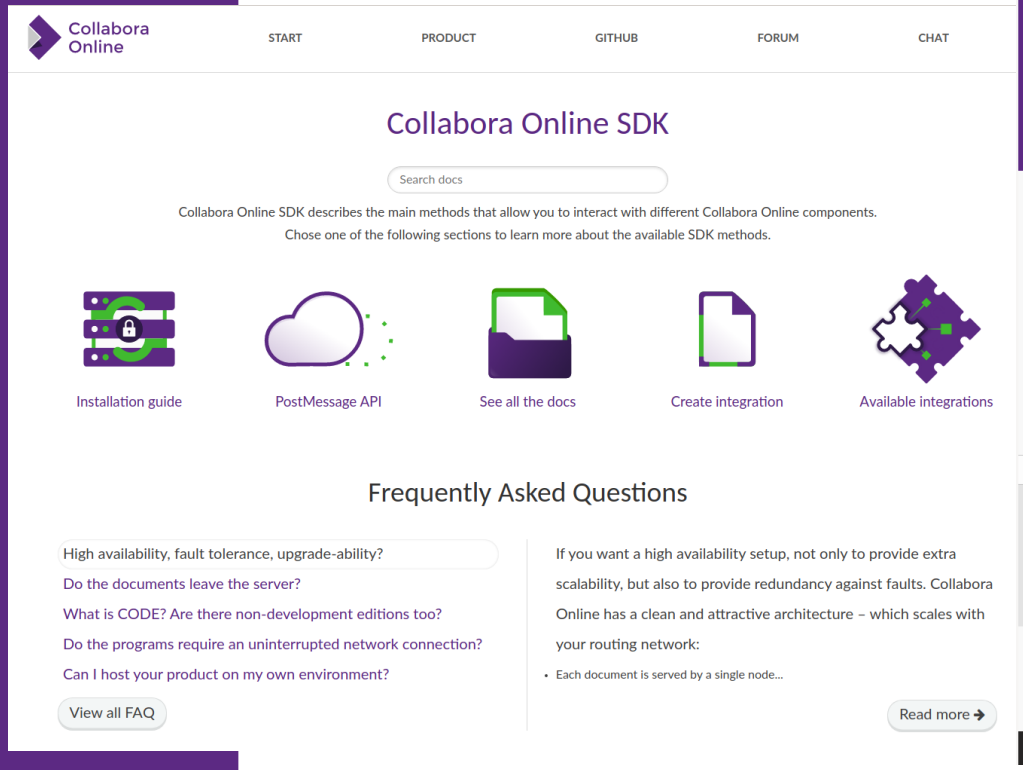
- Even more state-less.
- Write a shell script to re-generate some JSON on your web-server
- We'll pick that up and re-configure as/when it changes.
- Getting config state out of our docker containers.

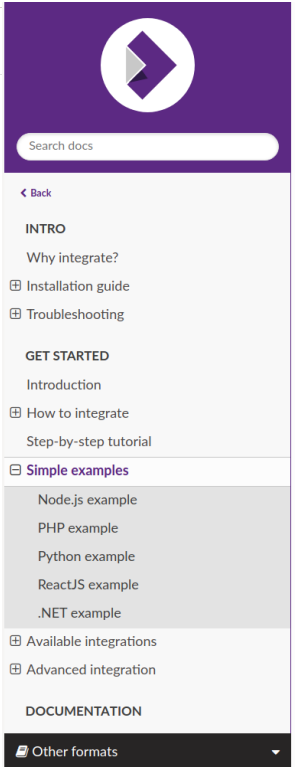
Writer / math formula / equation editor

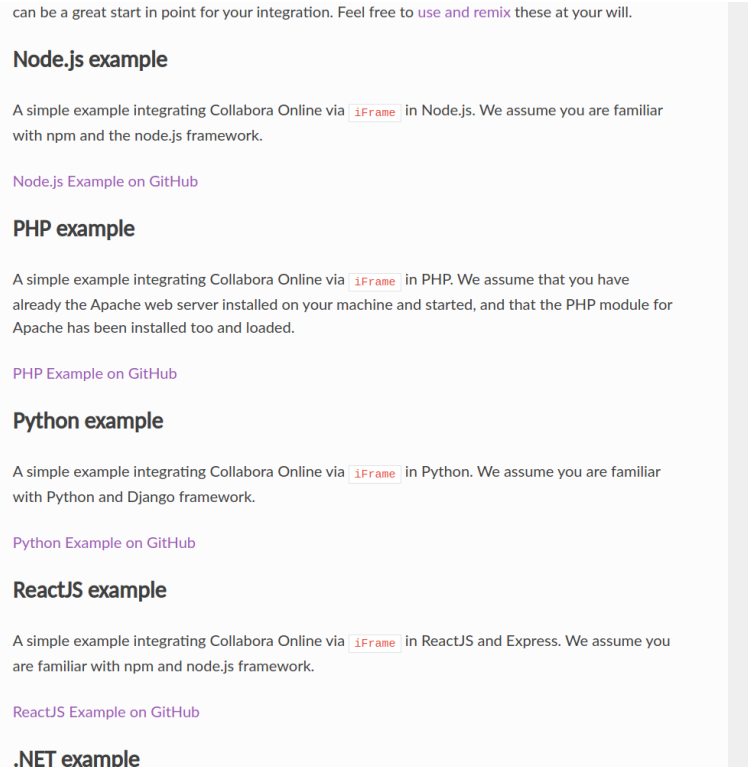
Prometheus updates

- Now we list all process-ids of open documents
- Also list a host of stats and metrics per process-id.
- Essentially at the limit of this format for exposing complex structured data like this efficiently.

http://sdk.collaboraonline.com – continuous expansion







Collabora Online & OpenPOWER

- First binaries of COOL for OpenPOWER Architektur
- Snapshot docker images
- Ubuntu 20.04 ppc64le Build Host provided by 21unity

Image: CC BY SA 4.0 ChrispyD1080

Distinctives …

Some distinctives

Choice of UIs

- Traditional menu/toolbars
- Or tabbed notebook panel.

Open Development

- Anyone can contribute & participate
- Follow commits as they come.

Open Standards

Real Open Source

- 100% open-source code

“Office for the free world”

Friendly Developers

- 50% EU, 75% NATO, global org + LibreOffice technology community

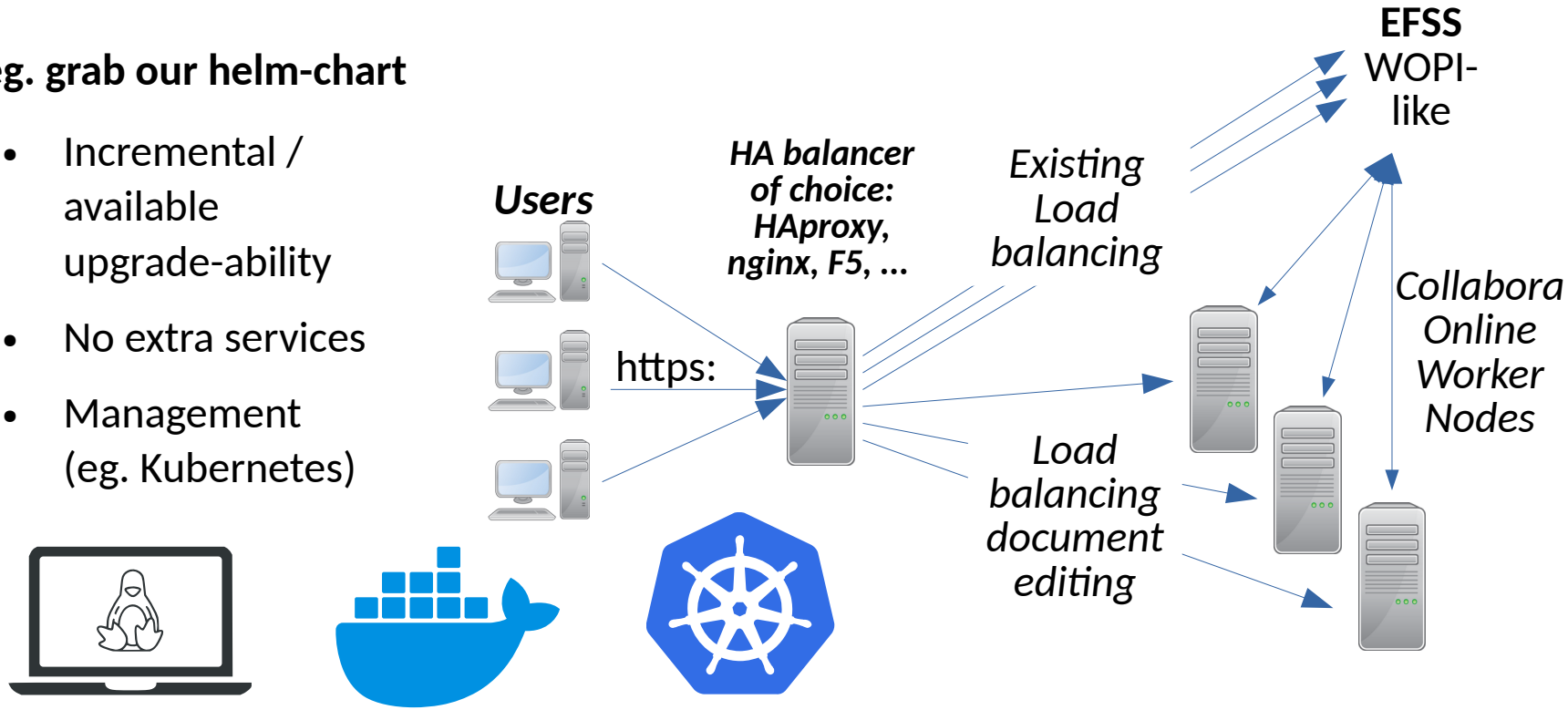
Friendly Investors

- 50/50 ~Canada / UK

High availability – super simple

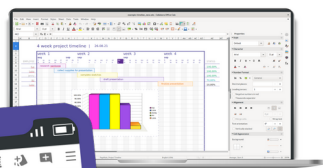
eg. grab our helm-chart

- Incremental / available upgrade-ability
- No extra services
- Management (eg. Kubernetes)



Document Security

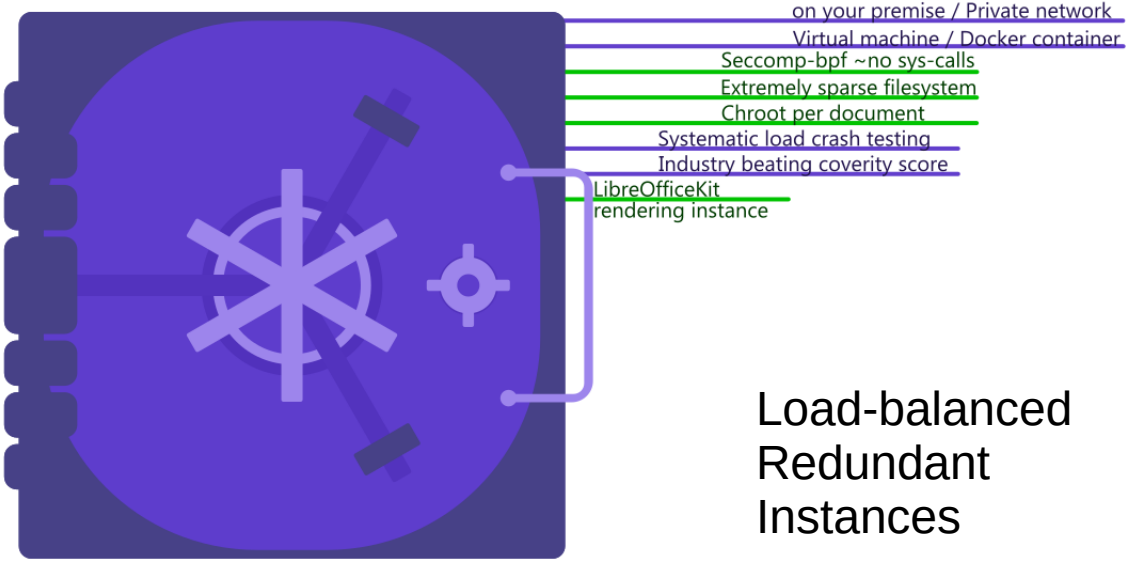
Untrusted Clients



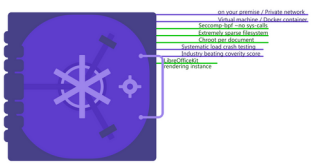
Only ***pixels*** on screens

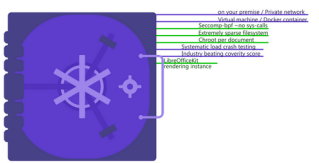
Firewall
VPN
Proxy

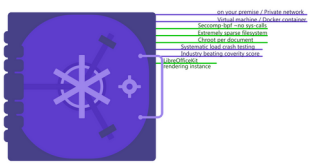
Trusted, Secure, Collabora Online Server



Load-balanced
Redundant
Instances







Simple: setup, pricing, support

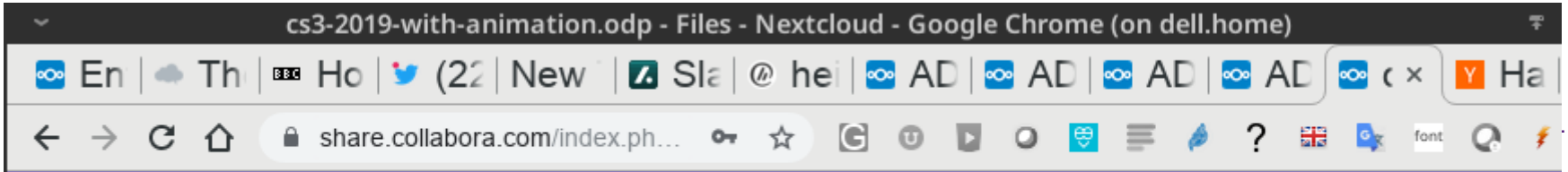
*"**Are you sure** you only need a load-balancer for HA ?"*

> *"Nothing to ask, followed the docs, easy to setup, if only all my problems were that easy"*
>
> *"Just used the Helm chart"*

As many servers & connections & VMs **as you need**

Extreme scaling – with the network - 20M users, 2m users etc. …

Beware of the Window + **Tabpocalypse:** *pay just once per user …*



Collabora Online

Coming next … watch this space.

(and we're hiring fast)

Come hack with us !

The cool kids use LibreOffice technology

COOL Days 2023 + LibreOffice technology hack-fest:

- March 28th & 29th
  - ~two weeks time.
- Claire College

  Cambridge / UK.

https://www.collaboraoffice.com/cool-days-2023/

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CS³

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Thank you! & Questions ?

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

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