Unleash the Power of COOL

Seamless Integration, Cutting-Edge Features and Empowered Collaboration

Michael Meeks General Manager michael.meeks@collabora.com







Find us at booth H30



Meet Michael Meeks

- General Manager, Collabora Productivity
- Founder, The Document Foundation
- 25+ years of Open Source contribution



Michael Meeks
General Manager
Collabora Productivity
@michael_meeks



Collabora Productivity

100% Focused on Office Making Open Source Rock



LibreOffice: Our Base

- Collabora is powered by the largest team of certified LibreOffice engineers in the world
- One of the leading contributors to the LibreOffice codebase
- The driving force behind putting LibreOffice in the Cloud
- Collabora Office is our business-hardened, maintained & supported product
- We let a few million customers use LibreOffice before branching and hardening each year

commits to
Collabora Online



commits to LibreOffice base









A shared code-base for apps:



Collabora Online Development Edition - CODE

Perfect for home use or small teams.



Collabora Online - COOL

Powerful collaborative online office suite.
 Enterprise version.



Collabora Office for iOS & Android

Mobile office suite for tablet and mobile.



Collabora Online Powerful Online Collaboration



What is Collabora Online?

Documents + Spreadsheets + Slides + Drawings

- Viewing and collaborative editing
- Feature rich

Interoperability with Microsoft formats

docx, doc, rtf, xlsx, xls, pptx, ppt

Import filters and viewing for

PDF, Visio, Publisher and many more

Powerful WYSIWYG rendering

On-premise integration

Architecture - a bet on CPU threads and network





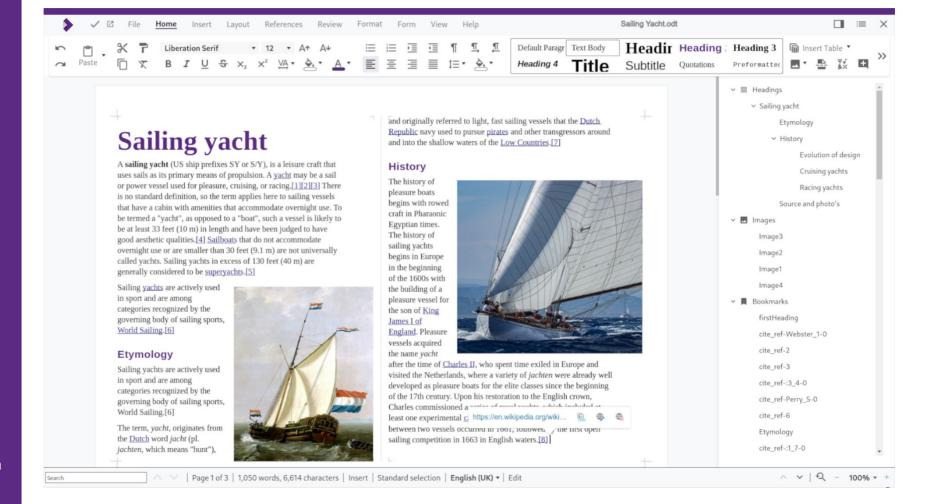








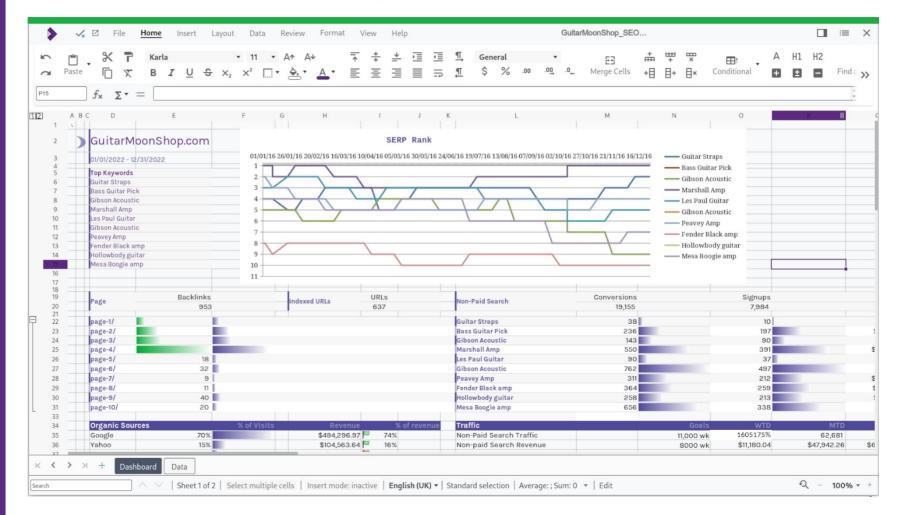
Collaborative Writer







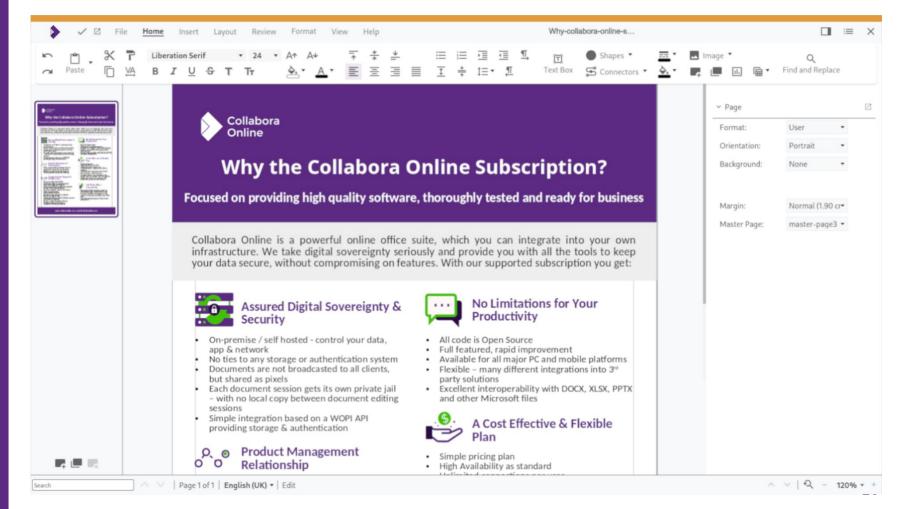
Collaborative Spreadsheets







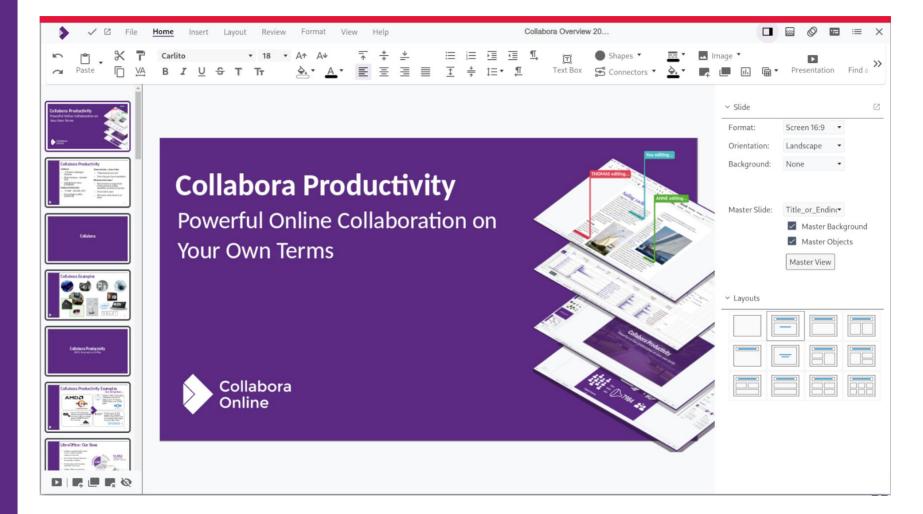
Collaborative Drawing







Collaborative Presentations







Collabora for Android and iOS

Collabora Office for tablet and mobile

- Supported and enterprise-ready part of our Collabora Office subscription
- Fully open source
- Native integration in Android and iOS user interface
- Privacy by default no external storage needed
- Excellent interoperability with Microsoft Office







Full Online Office Functionality

Most mature Office code-base outside Microsoft

 Based on LibreOffice Technology from the world's most widely used Open Source office suite



Leading developer of online office capabilities

• Full-featured, rapid improvement, fully Open Source

Available on all major platforms and many different integrations





On-premise / hosted – control your data, app and network





Assured Digital Sovereignty & Security

Digital Sovereignty

- You control where your data is stored
- On premise or with known provider
- Not tied to any storage or authentication system

A

Digital Security

- Documents are not shared just the pixels
 - enforce policy on the server not in the JS client...
- Integration based on an extended subset; "WOPI-like"
- Each document gets its **own private jail** and a document is **only stored locally** during its own editing session

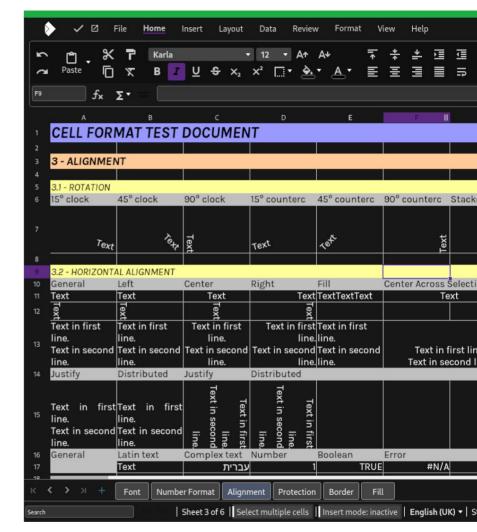


Recent Features Accessibility



Dark mode + view settings

 Per view settings, allows us to render views differently – including various options such as showing non-printing characters or spell checking underlines in different views, in addition to Dark Mode.







Keyboard accelerators

- Expansion for languages
 - Keyboard shortcuts have been expanded to allow all users to be able to use their own language's keyboard shortcuts when editing a file collaboratively.
 - Holding down the 'Alt' key will also highlight options for learnability.



Vehicl

For the Exact Sales Amount indicated below, Vehicle described below to the Buyer, acknow authority to sell it, warrant the Vehicle to be fro information given is true and correct to the best

Vehicle Information

VEHICLE IDENTIFICATION NUMBER (VIN#)				
YEAR	MAKE			
ODOMETER READIN	G (Miles)			

Conditions and Warranty

The Seller has no knowledge of any hidden de Seller's knowledge that the Vehicle is being so



tile formats and collaborative editing features.

Collabora Online comes with **Long Term Support**, and can be integrated in any webbased 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 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:

Excellent Interoperability

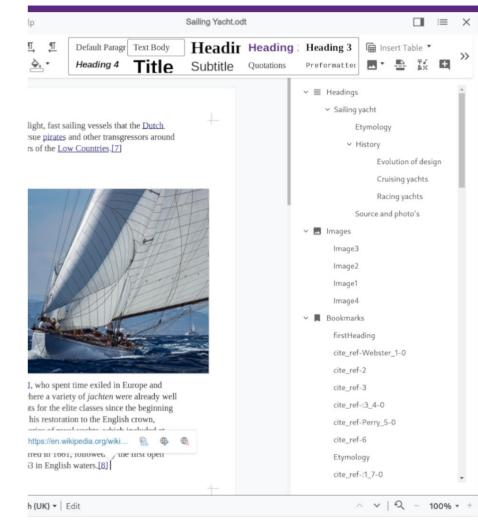
- Collabora Office Mobile allows editing of the following formats:
- Word/Writer documents: .doc, docx, .dot, .dotx, .odt, .ott,

- Excel/Calc
 spreadsheets: xls, xlsx, xlt, xltx, o
 ds, ots,
- Powerpoint/Impress presentations:
 .ppt, .pptx, .pps .ppsx, .odp, .otp
- /Draw image creation:



Page Navigation

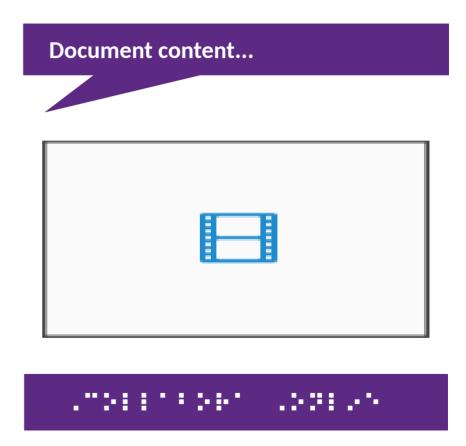
 Navigator functionality is viewable in the sidebar, allowing you to jump to each section by simply clicking the headings.





Initial screen reader support

 Designed to assist users with visual impairments, this feature will unlock a world of possibilities, ensuring everyone can participate fully in online collaboration.

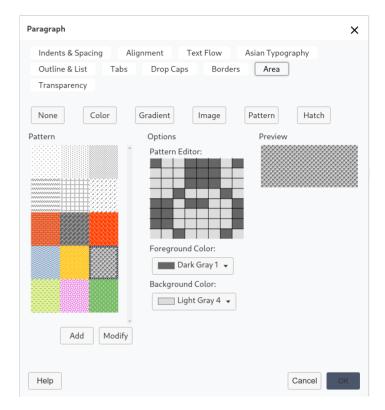






JS-Dialogs for screen reader functionality

 Screen readers can now access menus, toolbars and dialogs.
 Many more of our ~thousand dialogs are rendered on the client side using Javascript, HTML widgets with WebARIA annotation.



A complex example Javascript dialog





Built in accessibility checker

 Discover and fix accessibility problems in your documents before publishing them, and before your users suffer them.

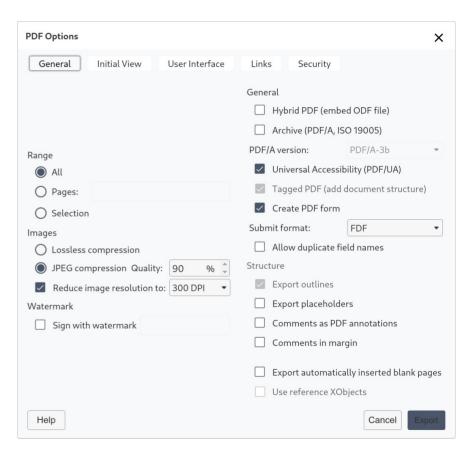






Generating accessible PDFs with PDF/UA export

 Tagged PDF, PDF forms, Universal Accessibility for PDFs, and many more options when exporting available in last year.

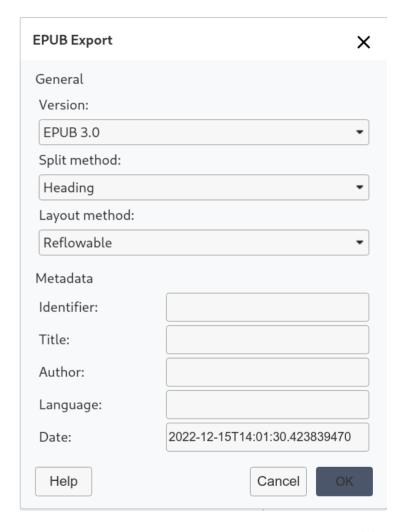






Generating electronic books with EPUB export

 Ideal for accessible book readers, as well as many other use-cases.





Recent Features Performance



A faster, slicker experience

- Memory trimming on idle: cleans caches & frees up memory
- Swap out compressed image data as well as uncompressed
- Faster load of large spreadsheets
- Significantly reduced re-rendering (even more pending)
- Style re-thumbnailing redux

- Improved tile pre-loading (with more caching work queued)
- Clamp over-sizing of threads
- Accelerated transparent text rendering
- Avoid background whole document renders
- RLE tile encoding (pending)





Memory optimization

- Less memory; used effectively
- Run-length encoding delta cache makes it far smaller and faster to use. Compressed image data swapping to reduce footprint. Trimming caches & allocators on idle. Larger compressed browserside tile cache. Monotonic timestamp cache synchronization & expiry.

CPU optimization

- Saving power, and going faster.
- Reduced invalidation & rerendering. Improved user
 prediction & pre-loading for better
 latency. Accelerated style
 previewing & thumbnailing.
 Optimized pixel manipulation &
 un-pre-multiplication. Accelerated
 scrolling & Javascript rendering.





Performance tuning

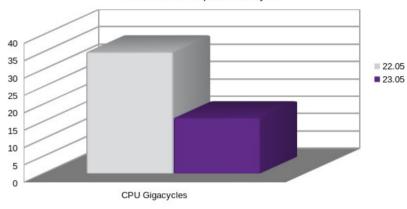
- Much faster for many operations

 for example multiple users to
 join a shared Writer document
 and scroll through a long, heavy

 Writer document.
- Improved threading of tile compression
- AVX2 optimized RLE compression
- Long term profiling of demo servers & targetted optimization ...

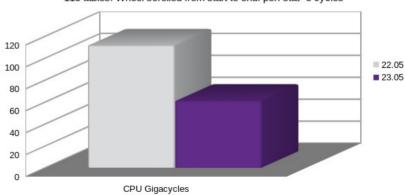
Joining Writer Shared Document

Writer document with 5 pages. 20 users joining simultaneously, until all clients rendered. perf stat -e cycles



Writer Scrolling

Writer document with 157 pages, 164 shapes, 32 comments, 13 images, 115 tables. Wheel scrolled from start to end. perf stat -e cycles



Smaller is better!



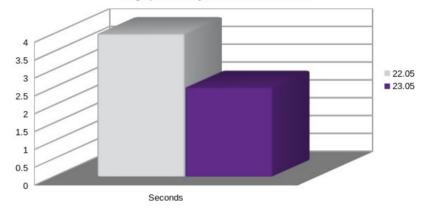


Performance tuning

 Reduced time to load graphic heavy Impress slide decks, and comment heavy Calc spreadsheets.

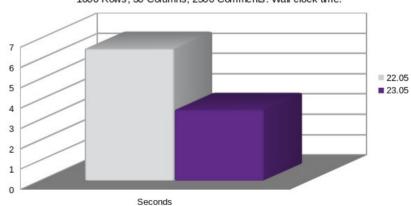
Impress Full Screen Presentation Generation

60 graphics heavy slides. Wall clock time.



Calc XLSX Comments Load

1000 Rows, 30 Columns, 2500 Comments. Wall clock time.



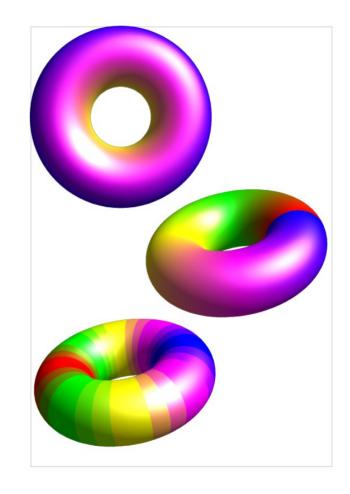


Recent Features Interoperability



Multi-stop gradients - improved rendering

 The renderer has been enhanced and can now handle even more complex gradients. You can now turn up the visual appeal of your document by incorporating multi-stop gradients into shapes, borders, and other elements.

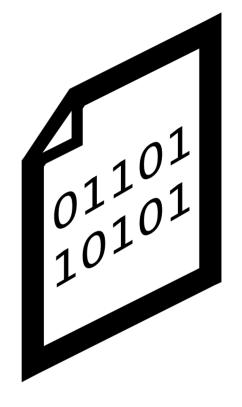






64 bit Zip support – handling huge data sets

 The Zip64 standard extends numerous internal limitations in the XLSX and ODS formats used to compress documents. Editing and working with huge spreadsheets is now possible.







Compact Pivot Tables for Calc Spreadsheets

 Preserve the compact view and layout of Pivot Tables created in Excel with a more compact layout avoiding the possibility of incorrect cell references.

K		L		М	N
Sum of Val	D		~		
Row Label: ▼	ddd			ddx	Total Result
⊟aaa			13	18	31
⊟bbb			10		10
ccc			10		10
⊟bbx			3	9	12
ссс			3		3
ссх				9	3 9
⊟bxx				9	
ccx				9	9
⊟aax			15	11	26
⊟bbb			10	4	14
ссс			8	4	12
ссх			2		2
⊟bbx			5		5 5 7
ссс			5		5
⊟bxx				7	
ссх				7	7
⊟axx			12	12	24
⊟bbb				5	5
ссх				5	5
⊟bbx			9	7	16
ссх			9	7	16
⊟bxx			3		3
ссс			3		3
Total Result			40	41	81





K	L	М	N	0	P
Sum of Val			D 🔻		
A ▼	В	▼ C ▼	ddd	ddx	Total Result
aaa			13	18	31
	bbb		10		10
		ccc	10		10
	bbx		3	9	12
		ccc	3		3
		ccx		9	
	bxx			9	
		ccx		9	9
aax			15	11	26
	bbb		10	4	14
		ccc	8	4	
		ccx	2		2
	bbx		5		5
		ccc	5		5
	bxx			7	7
		ccx		7	7
axx			12	12	24
	bbb			5	
		ccx		5	
	bbx		9	7	16
		ссх	9	7	16
	bxx		3		3
		ccc	3		3
Total Result			40	41	81



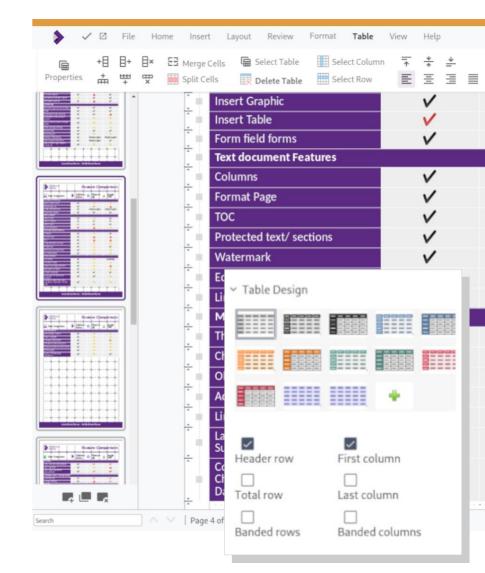
K		L	М	N
Sum of Val	D	~		
Row Label ₹	ddd		ddx	Total Result
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ссс		10		10
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ссс		3		3
ccx			9	9 9 9
⊟bxx			9	9
ccx			9	
⊟аах		15	11	26
⊟bbb		10	4	14
ссс		8	4	12
ccx		2		2
⊟bbx		5		5 5 7
ссс		5		5
⊟bxx			7	
ccx			7	7
⊟ахх		12	12	24
⊟bbb			5	5
ccx			5	5
⊟bbx		9	7	16
ccx		9	7	16
⊟bxx		3		3
ссс		3		
Total Result		40	41	81





Table style design

You can now modify table styles and create new ones in Impress and Draw. Modified styles are saved into documents, and can be shared via templates. You can access this function by rightclicking on a design in the Table Design Sidebar panel.

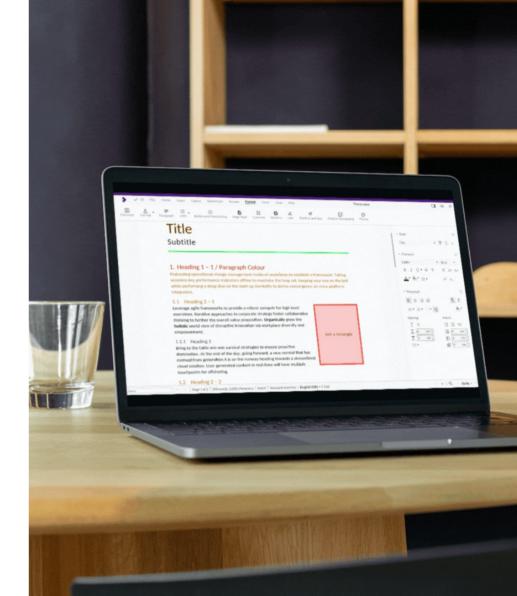






Document themes - controlling branding

 Document themes can be configured and applied to a whole document to easily change and re-purpose the appearance, giving it a consistent style and branding.



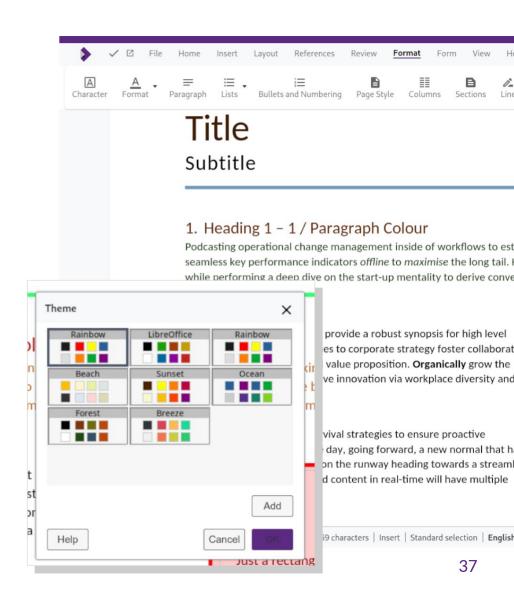




Interoperability

Document themes - controlling branding

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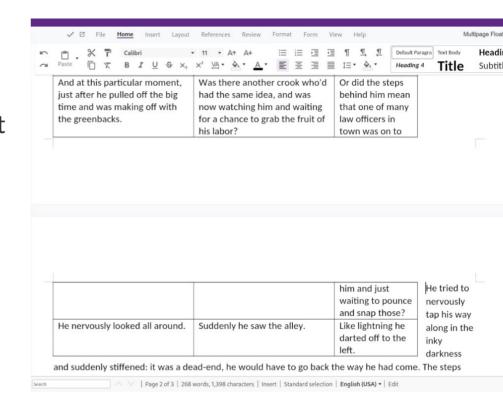




Interoperability

Multi-page floating tables

- Significantly improves
 interoperability with tables that
 have been accidentally floated
 by users, and that span
 multiple pages.
- Lots of mis-designed
 Government forms where
 tables are used for rendering
 borders are improved, and
 rendered better.



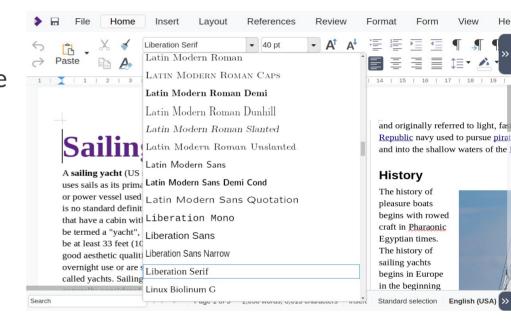


Recent Features Usability



Font previews

 You can now see a preview of fonts to see what they look like before selecting it in the drop down box.

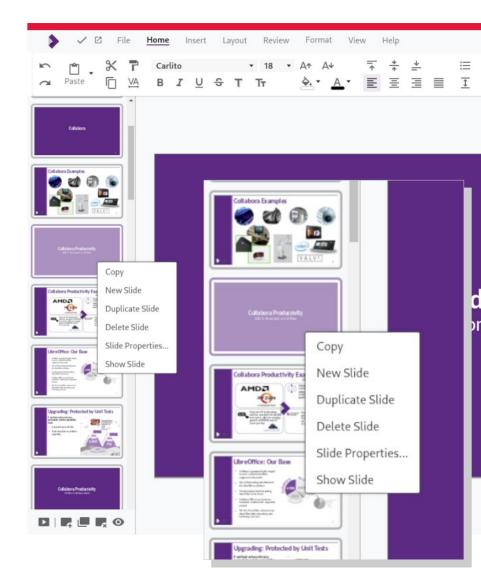






Hide/show slides in Impress

 Impress supports hiding and showing slides on the Slide
 Pane by right clicking and choosing 'Hide Slide' or 'Show Slide'. They will then shown or hidden throughout the full screen presentation.

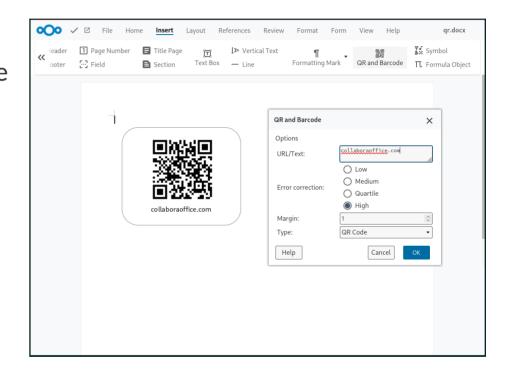






Easy Barcode and QR code input

- Bringing the existing LibreOffice technology's QR code functionality to your browser:
 - Thanks to Shubham Goyal and Google Summer of Code

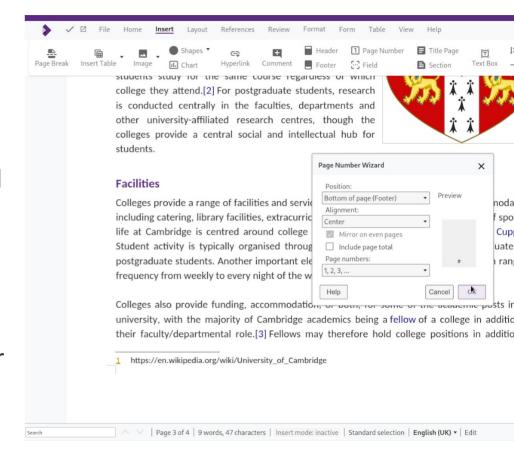






Page number insertion – familiar, simplified pop up

- Combining inserting the required headers, footers, and page number fields into a single, easy to use, familiar dialog for users.
- Featuring all the common alignment options, support for a variety of languages, and a preview.

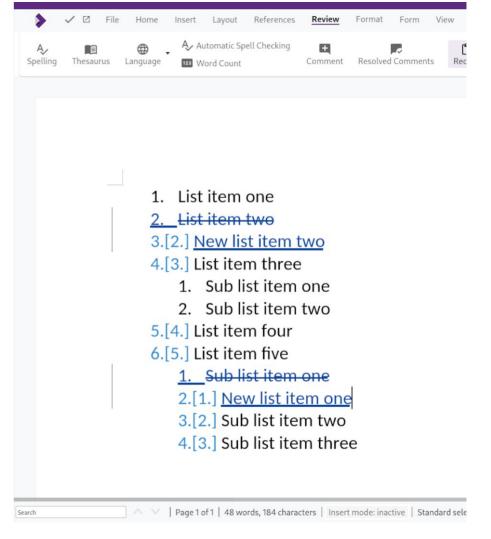






Change tracking in numbered lists

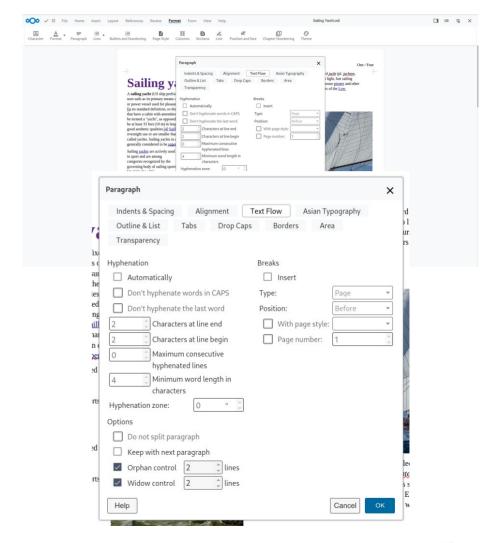
 When making changes within numbered lists, the numbering has now been fixed to show actual and original numbers within the document.





Typographical editing

 New optional hyphenation settings are available to give rules for adjusting text flow.
 You can now limit hyphenation within paragraphs, set a minimum word length for hyphenation and opt to not hyphenate the last word of a paragraph.

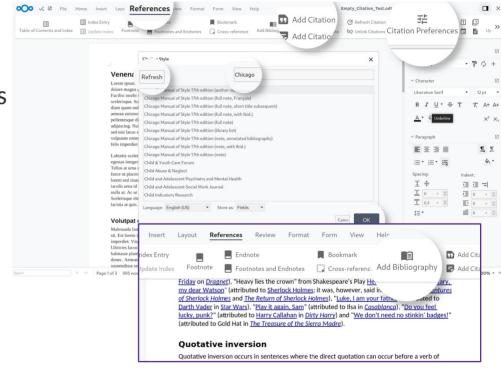




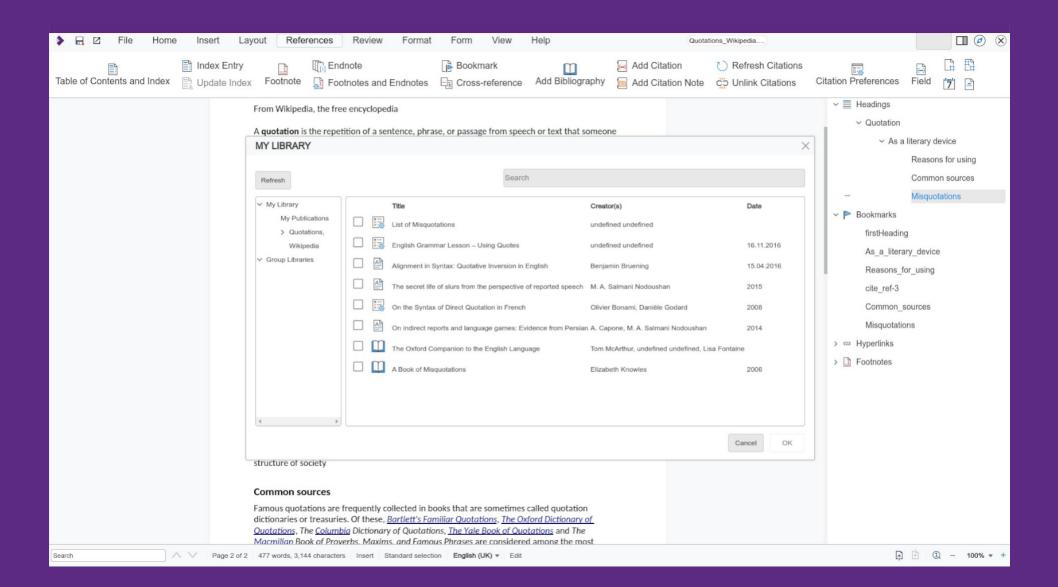


Reference management and bibliographic data with Zotero

 Browse all the existing records of your Zotero library - insert, remove, and refresh references, citations, and notes, or automatically generate bibliographies.









Al grammar checking with LanguageTool & DUDEN

 Connect LanguageTool and DUDEN for multilingual spelling, style, and grammar checking that helps correct or paraphrase texts.



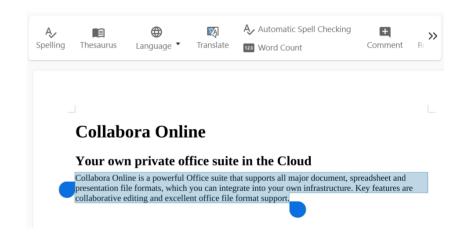






AI based translations with DeepL

 Translating text with DeepL inside a Writer document is as easy as selecting it, clicking the "Translate" button and choosing the target language from dialog.

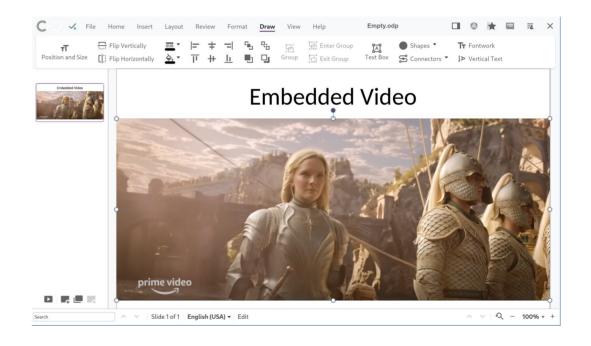






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Conclusions

Collabora Online combines

- Leading seamless and efficient online sharing and collaboration
- Digital Sovereignty & security
- Excellent interoperability
- 100% Open Source code the real deal.

Collabora Online delivers

- Comprehensive paths for migration and support
- A wide range of partners, platforms and integrations
- Excellent support and product relationship with our customers
- Document Freedom for the Free World ... at pace ...





Find us at booth H30

Collabora Online

Thank you!









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