Unleash the Power of COOL
Seamless Integration, Cutting-Edge Features and Empowered Collaboration

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Collabora Online
Open Source Experience
Find us at booth H30
Meet Michael Meeks

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

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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
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
Sailing yacht

A sailing yacht (US ship prefix SY or S/Y), is a leisure craft that uses sails as its primary means of propulsion. A yacht may be a sail or power vessel used for pleasure, cruising, or racing. There is no standard definition, so the term applies here to sailing vessels that have a cabin with amenities that accommodate overnight use. To be termed a “yacht”, as opposed to a “boat”, such a vessel is likely to be at least 33 feet (10 m) in length and have been judged to have good aesthetic qualities. Sailboats that do not accommodate overnight use or are smaller than 30 feet (9.1 m) are not universally called yachts. Sailing yachts in excess of 130 feet (40 m) are generally considered to be superyachts.

Sailing yachts are actively used in sport and are among categories recognized by the governing body of sailing sports, World Sailing.

Etymology

Sailing yachts are actively used in sport and are among categories recognized by the governing body of sailing sports, World Sailing.

The term, yacht, originates from the Dutch word jacht (pl. jachten, which means “hunt”).

History

The history of pleasure boats begins with rowed craft in Pharaonic Egyptian times. The history of sailing yachts begins in Europe in the beginning of the 1600s with the building of a pleasure vessel for the son of King James I of England. Pleasure vessels acquired the name yacht after the time of Charles II, who spent time exiled in Europe and visited the Netherlands, where a variety of jachts were already well-developed as pleasure boats for the elite classes since the beginning of the 17th century. Upon his restoration to the English crown, Charles commissioned a naval expedition to the Atlantic, which included at least one experimental competition between two vessels occupied by the crown, followed by the first open sailing competition in 1663 in English waters.
Collaborative Spreadsheets
Collaborative Drawing

Collabora Online is a powerful online office suite, which you can integrate into your own infrastructure. We take digital sovereignty seriously and provide you with all the tools to keep your data secure, without compromising on features. With our supported subscription you get:

**Assured Digital Sovereignty & Security**
- On-premise / self-hosted - control your data, app & network
- No ties to any storage or authentication system
- Documents are not broadcast to all clients, but shared as pixels
- Each document session gets its own private jail - with no local copy between document editing sessions
- Simple integration based on a WQPI API providing storage & authentication

**No Limitations for Your Productivity**
- All code is Open Source
- Full featured, rapid improvement
- Available for all major PC and mobile platforms
- Flexible – many different integrations into 3rd party solutions
- Excellent interoperability with DOCX, XLSX, PPTX and other Microsoft files

**A Cost Effective & Flexible Plan**
- Simple pricing plan
- High Availability as standard
- Unlimited document storage

**Why the Collabora Online Subscription?**
Focused on providing high quality software, thoroughly tested and ready for business
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

- No compromises; flexible – lots of different integrations available
- 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

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
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.
Accessibility

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.
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 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, .ods, .ots,
- Powerpoint/Impress presentations: .ppt, .pptx, .pps, .ppsx, .odp, .otp,
- /Draw image creation:
Accessibility

Page Navigation

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

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.
Accessibility

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.
Accessibility

Built in accessibility checker

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

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.
Accessibility

Generating electronic books with EPUB export

- Ideal for accessible book readers, as well as many other use-cases.
Recent Features
Performance
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)
Performance

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 browser-side tile cache. Monotonic timestamp cache synchronization & expiry.

CPU optimization

- Saving power, and going faster.
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 & targeted optimization ...

"Smaller is better!"
Performance

Performance tuning

- Reduced time to load graphic heavy Impress slide decks, and comment heavy Calc spreadsheets.
Recent Features
Interoperability
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.
Interoperability

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.
Interoperability

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.
Interoperability

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<thead>
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<th>B</th>
<th>D</th>
<th>ddx</th>
<th>Total Result</th>
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<td>3</td>
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</tr>
</tbody>
</table>

**Total Result**

| 40  | 41  | 81  |
Interoperability

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 right-clicking on a design in the Table Design Sidebar panel.
Interoperability

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
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.
Usability

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.
Usability

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
Usability

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.
Usability

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.
Usability

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.
Usability

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.
From Wikipedia, the free encyclopedia

A **quotation** is the repetition of a sentence, phrase, or passage from speech or text that someone

### MY LIBRARY

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<thead>
<tr>
<th>Title</th>
<th>Creator(s)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
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<td>List of Misquotation</td>
<td>undefined undefined</td>
<td></td>
</tr>
<tr>
<td>English Grammar Lesson — Using Quotes</td>
<td>undefined undefined</td>
<td></td>
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<tr>
<td>Alignment in Syntax: Quotative Inversion in English</td>
<td>Benjamin Browning</td>
<td>15.04.2016</td>
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<tr>
<td>The secret life of slurs from the perspective of reported speech</td>
<td>M. A. Salmani Nodoushan</td>
<td>2015</td>
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<tr>
<td>On the Syntax of Direct Quotation in French</td>
<td>Olivier Bonami, Danièle Godard</td>
<td>2008</td>
</tr>
<tr>
<td>On indirect reports and language games: Evidence from Persian A. Capone, M. A. Salmani Nodoushan</td>
<td>2014</td>
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<tr>
<td>The Oxford Companion to the English Language</td>
<td>Tom McArthur, undefined undefined, Lisa Fontaine</td>
<td>2006</td>
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<tr>
<td>A Book of Misquotations</td>
<td>Elizabeth Knowles</td>
<td>2006</td>
</tr>
</tbody>
</table>

### Common sources

Famous quotations are frequently collected in books that are sometimes called quotation dictionaries or treasuries. Of these, **Bartlett's Familiar Quotations**, **The Oxford Dictionary of Quotations**, **The Columbia Dictionary of Quotations**, **The Yale Book of Quotations**, and **The Macmillan Book of Proverbs, Maxims, and Famous Phrases** are considered among the most
Usability

AI grammar checking with LanguageTool & DUDEN

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

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.
Usability

Play videos Embedded into your documents

• Embedding the content of your videos, ensures a smooth, advert-free presentation at the right time.
With thanks to our Partners, Customers & Community!
Some of Our Clients and Partners

Over 230 partners
offering professional support
in over 60 countries
Find your partner today!

Find your local partner:  www.col.la/partners  
Visit us at  Booth H30
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 ...
Thank you!

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