Collabora Online

Better, Digitally Sovereign
Document Collaboration

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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 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 docker image
Collabora Online 21.11: the enterprise-ready LibreOffice-based Online Office Suite that allows you to stay in full control of all your office files.

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 brought LibreOffice-technology to the Cloud.

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.

With Collabora Online you now have access to a powerful, en-
Collaborative Spreadsheets

GuitarMoonShop.com

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

SERP Rank:
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Non-Paid Search:
- Conversions 19,155
- Signups 7,984

Backlinks: 553
Indexed URLs: 637
URLs: 637

Organic Sources:
- Google: 70% (% of Visits), $494,296.97 (% of Revenue)
- Yahoo: 15% (% of Visits), $104,563.04 (% of Revenue)
- Bing: 15% (% of Visits), $23,921.31 (% of Revenue)

Traffic:
- Non-Paid Search Traffic: 11,000 wk, 6,052 (62)
- Non-Paid Search Revenue: 8000 wk, $11,180.04 (47.94)
Collaborative Drawing

Glow & Soft Edge Effects on Shapes

Original shape

Glow & Soft Edge effect applied
Collaborative Presentations

Setting up your own Collabora Online

By Aron Budea

QA Engineer Collabora Online
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<table>
<thead>
<tr>
<th>Character</th>
<th>Paragraph</th>
</tr>
</thead>
<tbody>
<tr>
<td>Default Style</td>
<td>&gt;</td>
</tr>
<tr>
<td>Font Name</td>
<td>Karla</td>
</tr>
<tr>
<td>Font Size</td>
<td>12</td>
</tr>
</tbody>
</table>

Responsive mobile UI
iOS tablets

Rich UI desktop UI / features:
Collabora Online 22.05: the enterprise-ready LibreOffice-based Online Office Suite that allows you to stay in full control of all your office files. 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 brought LibreOffice technology to the Cloud.

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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 ...  

**Extra fonts**

- Upload extra font file

**Available fonts**

- ipag.ttf
- webdings.ttf
- yudit.ttf

**Lorem ipsum**

Make sure to set this URL:

```xml
<remote_font_config>
  <url desc="URL of optional JSON file that lists fonts to be included in Online" type="string" default="">https://staging.eu.collaboraonline.com/nextcloud/index.php/apps/richdocuments/settings/fonts.json</url>
</remote_font_config>
```
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
Impress color theming

A key interoperability win
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.
Precisely anchor & reflow your boat (and other) images
New HTML Formula Input Bar
Save-As / Export-As (+ Download)
Same hooks for new ‘Export’:

PDF Options
- General
- Initial View
- User Interface
- Links
- Security

Range
- All
- Pages: [Blank]
- Selection

Images
- Lossless compression
- JPEG compression: Quality: 90%
- Reduce image resolution to: 300 DPI

Watermark
- Sign with watermark: [Blank]

Submit format: PDF

EPUB Export
- General
  - Version: EPUB 3.0
  - Split method: Heading
  - Layout method: Reflowable

Metadata
- Identifier: Mcy919
- Title: Test
- Author: Testbenutzer
- Language: de-DE
- Date: 2017-12-18T21:10:04

Help | Cancel | Export | Reset | Cancel | OK
Accessibility Check

Accessibility Check Helps to create documents according to the PDF/UA Standard
Richer dialog functionality left & right

eg. SparkLine properties

or File Properties
Faster (**zstd**) tile compression + δ’s

Thanks to Facebook for a better zlib.  

Deltas:

~50% bandwidth redux

~5x lower CPU load for tile compression.
Document properties + passwords
Online / embedded Video playback

Built on browser codec support:
AI document checking:
Language / Grammar API
Thanks to Adfinis for accelerating this work!

Daniel Naber’s company:

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

LanguageTool is your intelligent writing assistant for all common browsers and word processors. Write or paste your text here and it will be checked continuously. Errors will be underlined in different colours: we will mark spelling errors with red underlines. Furthermore, grammar errors are highlighted in yellow. LanguageTool also marks style issues in a reliable manner by underlining them in blue. It is a versatile tool, e.g., if you’d like to tell me if you happened at 5 PM in the afternoon on Monday, 27 May 2007.

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 ...

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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.
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!

Adding citations from private or shared folders using only Collabora Online
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
Distinctives ...
Some distinctives

Choice of UIs
- Traditional menu/toolbars
- Or tabbed notebook panel.

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

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)

Users

HA balancer of choice: HAproxy, nginx, F5, ...

Existing Load balancing

Load balancing document editing

EFSS WOPI-like

Collabora Online Worker Nodes

https:
Document Security

Untrusted Clients

VPN
Proxy

Trusted, Secure, Collabora Online Server

Only *pixels* on screens

Firewall

Load-balanced
Redundant
Instances

Virtual machine / Docker container
Secomp-buf --no sys-calls
Extremely sparse filesystem
Chroot per document
Systematic load crash testing
Industry beating coverage scores
LibreOfficeKit
rendering instance

on your premise / Private network
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 ...
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/
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